

# VIKAS COLLEGE OF ENGINEERING AND TECHNOLOGY



(Sponsored by SARASWATHI VIDYA PEETAM)  
(Approved by AICTE, New Delhi & Affiliated to JNTUK, Kakinada)  
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NUNNA-521212, Vijayawada Rural, Krishna Dt., A.P. India.  
E-mail-principal.vcet@gmail.com, Website: <http://www.vikasinstitutionsnunna.org/>



**1.1.1. The Institution ensures effective curriculum planning and delivery through a well- planned and documented process including Academic Calendar and conduct of Continuous Internal Assessment.**

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Phone: 0884-2300991

**Directorate of Academic Planning**  
JAWAHARLAL NEHRU TECHNOLOGICAL UNIVERSITY KAKINADA  
KAKINADA-533003, Andhra Pradesh, INDIA  
(Established by AP Government Act No. 30 of 2008)

Lr. No. DAP/AC/I Year /B. Tech/2023

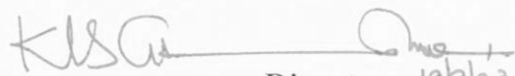
Date 19.08.2023

**Dr. KVSG Murali Krishna,**  
*M.E, Ph.D.,*  
**Director, Academics & Planning**  
**JNTUK, Kakinada**

To  
All the Principals of Affiliated Colleges,  
JNTUK, Kakinada.

**Academic Calendar for I Year - B. Tech for the AY 2023-24**

I SEMESTER			
Description	From	To	Weeks
<b>Commencement of Class Work</b>	<b>31.08.2023</b>		
Induction Programme (Zero Semester)	31.08.2023	16.09.2023	3W
I Unit of Instruction	19.09.2023	11.11.2023	8W
I Mid Examinations	06.11.2023	11.11.2023	
II Unit of Instructions	13.11.2023	06.01.2024	8W
II Mid Examinations	01.01.2024	06.01.2024	
Preparation & Practicals	08.01.2024	20.01.2024	2W
End Examinations	22.01.2024	03.02.2024	2W
Commencement of II Semester Class Work	<b>05.02.2024</b>		
II SEMESTER			
I Unit of Instructions	<b>05.02.2024</b>	30.03.2024	8W
I Mid Examinations	25.03.2024	30.03.2024	
II Unit of Instructions	01.04.2024	25.05.2024	8W
II Mid Examinations	20.05.2024	25.05.2024	
Preparation & Practicals	27.05.2024	08.06.2024	2W
End Examinations	10.06.2024	22.06.2024	2W

  
**Director, 19/8/23**  
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Lr. No. DAP/AC/II Year /B. Tech/2023

Date 01.08.2023

**Dr. KVSG Murali Krishna,**  
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**Director, Academics & Planning**  
**JNTUK, Kakinada**

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All the Principals of Affiliated Colleges,  
JNTUK, Kakinada.

**Academic Calendar for II Year - B. Tech for the AY 2023-24**

I SEMESTER			
Description	From	To	Weeks
<b>Commencement of Class Work</b>	<b>07.08.2023</b>		
I Unit of Instruction	07.08.2023	30.09.2023	8W
I Mid Examinations	25.09.2023	30.09.2023	
II Unit of Instructions	02.10.2023	25.11.2023	8W
II Mid Examinations	20.11.2023	25.11.2023	
Preparation & Practicals	27.11.2023	09.12.2023	2W
End Examinations	11.12.2023	23.12.2023	2W
Commencement of II Semester Class Work	<b>27.12.2023</b>		
II SEMESTER			
I Unit of Instructions	<b>27.12.2023</b>	17.02.2024	8W
I Mid Examinations	12.02.2024	17.02.2024	
II Unit of Instructions	19.02.2024	13.04.2024	8W
II Mid Examinations	08.04.2024	13.04.2024	
Preparation & Practicals	15.04.2024	27.04.2024	2W
End Examinations	29.04.2024	11.05.2024	2W
Summer Internship	13.05.2024	06.07.2024	8W
Commencement of III- I Class Work	08.07.2024		

*KVSG* Director  
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Lr. No. DAP/AC/III Year /B. Tech/2023

Date 14.07.2023

**Dr. KVSG Murali Krishna,**  
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**JNTUK, Kakinada**

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**Academic Calendar for III Year - B. Tech. for the AY 2023-24**

I SEMESTER			
Description	From	To	Weeks
Commencement of Class Work	17.07.2023		
I Unit of Instruction	17.07.2023	09.09.2023	8W
I Mid Examinations	11.09.2023	16.09.2023	1W
II Unit of Instructions	18.09.2023	11.11.2023	8W
II Mid Examinations	13.11.2023	18.11.2023	1W
Preparation & Practicals	20.11.2023	25.11.2023	1W
End Examinations	27.11.2023	09.12.2023	2W
Commencement of II Semester Class Work	11.12.2023		
II SEMESTER			
I Unit of Instructions	11.12.2023	03.02.2024	8W
I Mid Examinations	05.02.2024	10.02.2024	1W
II Unit of Instructions	12.02.2024	06.04.2024	8W
II Mid Examinations	08.04.2024	13.04.2024	1W
Preparation & Practicals	15.04.2024	20.04.2024	1W
End Examinations	22.04.2024	04.05.2024	2W
Summer Internship	06.05.2024	13.07.2024	10W
Commencement of IV- I Class Work	15.07.2024		

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## Directorate of Academic Planning

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Lr. No. DAP/RAC/IV Year /B. Tech/2023

Date 14.08.2023


**Dr. KVSG Murali Krishna,**  
*M.E, Ph.D.,*  
**Director, Academics & Planning**  
**JNTUK, Kakinada**

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### Revised Academic Calendar for IV Year - B.Tech. for the AY 2023-24

I SEMESTER			
Description	From	To	Weeks
<b>Commencement of Class Work</b>	<b>17.07.2023</b>		
I Unit of Instruction	17.07.2023	09.09.2023	8W
I Mid Examinations	11.09.2023	16.09.2023	1W
II Unit of Instructions	18.09.2023	11.11.2023	8W
II Mid Examinations	13.11.2023	18.11.2023	1W
Preparation & Practicals	20.11.2023	25.11.2023	1W
End Examinations	27.11.2023	09.12.2023	2W
Commencement of II Semester Class Work	<b>11.12.2023</b>		
II SEMESTER			
<b>Commencement of Project Work</b>	<b>11.12.2023</b>	30.03.2024	16W
Thesis submission & Seminar	01.04.2024	13.04.2024	2W
End Viva- Voce Examinations	15.04.2024	22.04.2024	1W

For slippage of 90 instruction days in 16 weeks due to any unavoidable reasons compensation can be made by conducting class work on second Saturdays, Sundays and other holidays except on National Holidays and important festivals.

  
Director  
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Academics & Planning,  
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(Established by AP Government Act No. 30 of 2008)

Lr. No. JNTUK/DAP/AC/II Year/M. Tech/2023-24

Date: 04-09-2023

**Dr. K. VENKATA REDDY,**  
*M.Tech, Ph.D.,*  
**Director i/c, Academic Planning**

To  
All the Principals of Affiliated Colleges,  
JNTUK, Kakinada.

**Academic Calendar of**  
**II Year M. Tech for Academic year 2023-24**

<b>I SEMESTER</b>			
<b>Description</b>	<b>From</b>	<b>To</b>	<b>Weeks</b>
<b>Commencement of Class Work</b>	<b>04.09.2023</b>		
I Unit of Instruction	04.09.2023	28.10.2023	8W
I Mid Examinations	23.10.2023	28.10.2023	
II Unit of Instructions	30.10.2023	23.12.2023	8W
II Mid Examinations	18.12.2023	23.12.2023	
Preparation & Practicals	26.12.2023	30.12.2023	1W
End Examinations	01.01.2024	13.01.2024	2W
Commencement of II Semester Class Work	<b>17.01.2024</b>		
<b>II SEMESTER</b>			
<b>Commencement of Project Work Phase - II</b>	<b>17.01.2024</b>	04.05.2024	16W
Thesis submission duration	06.05.2024	01.06.2024	4W

*Chidambaram C. Reddy*  
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Lr. No. JNTUK/DAP/AC/I Year/M. Tech/M.Pharmacy/2023-24

Date: 25-09-2023

**Dr. K. VENKATA REDDY,**  
*M.Tech, Ph.D.,*  
**Director i/c, Academic Planning**

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JNTUK, Kakinada.

**Academic Calendar of**  
**I Year M.Tech/M.Pharmacy for the Academic Year 2023-24**

<b>I SEMESTER</b>			
<b>Description</b>	<b>From</b>	<b>To</b>	<b>Weeks</b>
<b>Commencement of Class Work</b>	<b>04.10.2023</b>		
I Unit of Instruction	04.10.2023	02.12.2023	9W
I Mid Examinations	27.11.2023	02.12.2023	
II Unit of Instructions	04.12.2023	27.01.2024	8W
II Mid Examinations	22.01.2024	27.01.2024	
Preparation & Practicals	29.01.2024	03.02.2024	1W
End Examinations	05.02.2024	17.02.2024	2W
Commencement of II Semester Class Work	<b>19.02.2024</b>		
<b>II SEMESTER</b>			
I Unit of Instructions	<b>19.02.2024</b>	20.04.2024	9W
I Mid Examinations	15.04.2024	20.04.2024	
II Unit of Instructions	22.04.2024	04.05.2024	2W
Summer Holidays	06.05.2024	01.06.2024	4W
II Unit of Instructions	03.06.2024	13.07.2024	6W
II Mid Examinations	08.07.2024	13.07.2024	
Preparation & Practicals	15.07.2024	20.07.2024	1W
End Examinations	22.07.2024	03.08.2024	2W

*Dr. K. Venkata Reddy*  
Director i/c

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Lr. No. JNTUK/DAP/AC/II Year/MBAMCA/IMBA/2023-24

Date: 19-08-2023

**Dr. KVSG Murali Krishna,**  
*M.E, Ph.D.,*  
**Director, Academics & Planning**  
**JNTUK, Kakinada**

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JNTUK, Kakinada.

**Academic Calendar of II Year MBA/MCA/IMBA for Academic year 2023-24**

I SEMESTER			
Description	From	To	Weeks
<b>Commencement of Class Work</b>	<b>21.08.2023</b>		
I Unit of Instruction	21.08.2023	14.10.2023	8W
I Mid Examinations	09.10.2023	14.10.2023	
II Unit of Instructions	16.10.2023	09.12.2023	8W
II Mid Examinations	04.12.2023	09.12.2023	
Preparation & Practicals	11.12.2023	23.12.2023	2W
End Examinations	26.12.2023	06.01.2024	2W
Commencement of II Semester Class Work	<b>08.01.2024</b>		
II SEMESTER			
I Unit of Instructions	<b>08.01.2024</b>	02.03.2024	8W
I Mid Examinations	26.02.2024	02.03.2024	
II Unit of Instructions	04.03.2024	27.04.2024	8W
II Mid Examinations	22.04.2024	27.04.2024	
Preparation & Practicals	29.04.2024	11.05.2024	2W
End Examinations	13.05.2024	25.05.2024	2W

*KVSG*  
**Director**  
**Academic Planning**  
**Director**  
**JNTUK Kakinada**  
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Kakinada-533003, Andhra Pradesh, INDIA  
(Established by AP Government Act No. 30 of 2008)

Lr. No. JNTUK/DAP/AC/I Year/MBA/MCA/2023-24

Date: 25-09-2023

**Dr. K. VENKATA REDDY,**

*M.Tech, Ph.D.,*

**Director i/c, Academic Planning**

To  
All the Principals of Affiliated Colleges,  
JNTUK, Kakinada.

**Academic Calendar of**  
**I Year MBA/MCA for the Academic year 2023-24**

<b>I SEMESTER</b>			
<b>Description</b>	<b>From</b>	<b>To</b>	<b>Weeks</b>
<b>Commencement of Class Work</b>	<b>04.10.2023</b>		
I Unit of Instruction	04.10.2023	02.12.2023	9W
I Mid Examinations	27.11.2023	02.12.2023	
II Unit of Instructions	04.12.2023	27.01.2024	8W
II Mid Examinations	22.01.2024	27.01.2024	
Preparation & Practicals	29.01.2024	03.02.2024	1W
End Examinations	05.02.2024	17.02.2024	2W
Commencement of II Semester Class Work	<b>19.02.2024</b>		
<b>II SEMESTER</b>			
I Unit of Instructions	<b>19.02.2024</b>	20.04.2024	9W
I Mid Examinations	15.04.2024	20.04.2024	
II Unit of Instructions	22.04.2024	04.05.2024	2W
Summer Holidays	06.05.2024	01.06.2024	4W
II Unit of Instructions	03.06.2024	13.07.2024	6W
II Mid Examinations	08.07.2024	13.07.2024	
Preparation & Practicals	15.07.2024	20.07.2024	1W
End Examinations	22.07.2024	03.08.2024	2W

*Dr. K. Venkata Reddy*

**Director i/c**

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 E-mail-principal.vcet@gmail.com, Website: <http://www.vikasinstitutionsnunna.org/>



## COLLEGE ACADEMIC CALENDAR AND EVENTS/ACTIVITY FOR 2023-24

	1Unit instruction	mid 1 dates	2 unit instruction	2nd mid dates	Lab. Exam dates	External exam dates	Events/Activities
2023-24 Batch I B.Tech - I Sem	19-09-2023 TO 11-11-2023	06-11-2023 TO 11-11-2023	13-11-2023 TO 31-12-2023	01-01-2024 TO 06-01-2024	08-01-2024 TO 20-01-2024	22-01-2024 TO 03-02-2024	<ul style="list-style-type: none"> <li>• Independence Day Aug. 15</li> <li>• National Sports Day Aug 29<sup>th</sup></li> <li>• Teachers day Sept. 5<sup>th</sup></li> <li>• Engineers day Sept. 15<sup>th</sup></li> <li>• World Students' Day Oct. 15th</li> <li>• English New Year Jan 1st</li> <li>• National Youth day Jan 12th</li> <li>• National Girl Child day of India Jan 24th</li> <li>• Republic Day Jan. 26th</li> <li>• National Science Day Feb. 28th</li> <li>• International Women's Day Mar 8th</li> <li>• World Water Day Mar 22nd</li> <li>• National Technology Day May 11th</li> <li>• World Telecommunication Day May 17th</li> <li>• World Blood Donor Day Jun 14th</li> </ul>
2022-23 Batch II B.Tech - I Sem	07-08-2023 TO 30-09-2023	25-09-2023 TO 30-09-2023	02-11-2023 TO 25-11-2023	20-11-2023 TO 25-11-2023	27-11-2023 TO 09-12-2023	11-12-2023 TO 23-12-2023	
2021-22 Batch III B.Tech - I Sem	17-07-2023 TO 09-09-2023	11-09-2023 TO 16-09-2023	18-09-2023 TO 11-11-2023	13-11-2023 TO 18-11-2023	20-11-2023 TO 25-11-2023	27-11-2023 TO 09-12-2023	
2020-21 Batch IV B.Tech - I Sem	17-07-2023 TO 09-09-2023	11-09-2023 TO 16-09-2023	18-09-2023 TO 11-11-2023	13-11-2023 TO 18-11-2023	20-11-2023 TO 25-11-2023	27-11-2023 TO 09-12-2023	
2023-24 Batch I B.Tech - II Sem	05-02-2024 TO 30-03-2024	25-03-2024 TO 30-03-2024	01-04-2024 TO 25-05-2024	20-05-2024 TO 25-05-2024	27-05-2024 TO 08-06-2024	10-06-2024 TO 22-06-2024	
2022-23 Batch II B.Tech - II Sem	27-12-2023 TO 17-02-2024	12-02-2024 TO 17-02-2024	19-02-2024 TO 13-04-2024	08-04-2024 TO 13-04-2024	15-04-2024 TO 27-04-2024	29-04-2024 TO 11-05-2024	
2021-22 Batch III B.Tech - I Sem	11-12-2023 TO 03-02-2024	05-02-2024 TO 10-02-2024	12-02-2024 TO 06-04-2024	08-04-2024 TO 13-04-2024	15-04-2024 TO 20-04-2024	22-04-2024 TO 04-05-2024	
2020-21 Batch IV B.Tech - II Sem	PROJECT WORK 11-12-2023 TO 30-03-2024		Thesis Submission & Seminar 01-04-2024 TO 13-04-2024		End Viva-Voce Exam 15-04-2024 TO 22-04-2024		

### Note:

All the HOD's to Conduct FDP's, Workshops, Seminars, and Value added courses.  
 Conduct at least 2 NSS activities, 2 industrial visits, Summer internship  
 Holidays will be given as per state government, JNTUK and college regulations

  
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Date: 20-06-2023

## Department of Agricultural Engineering Department Academic Calendar Academic Year: 2023-24

S. No	Activity	Dates of Activity	Remarks
<b>1<sup>st</sup> Semester</b>			
1	Preparation of Academic Calendar	04th July, 2023	Completed
2	Preparation of Budget Requirement for Labs, Seminars and Workshops, Guest Lectures, Fest etc.	04th July, 2023	Conducted
3	Preparation of Time Tables	10 July, 2023	Completed
4	Preparation of Roll Lists	10 <sup>th</sup> July, 2023	Completed
5	Review of Results of even semester	As and when results are declared	Completed
6	Allocation of Students to Faculty for Counseling	19 <sup>th</sup> July, 2023	Assigned
7	Allocation of Project Batches	19th July, 2023	Completed
8	HOD and Faculty meeting	13 <sup>th</sup> July, 2023	Conducted
9	Allocation of In-charges and other faculty to various Committees	13 <sup>th</sup> July, 2023	Assigned
10	Add on Courses	Plan as per requirement in the odd Semester	Conducted
11	Commencement of class work (odd sem) B.Tech 3 <sup>rd</sup> and 4 <sup>th</sup> years & 2 <sup>nd</sup> year	17 <sup>th</sup> July, 2023 07 <sup>th</sup> Aug, 2023	Completed
12	Selection of CRs	22 <sup>nd</sup> July, 2023	Completed
13	HOD Meeting with CRs	24 <sup>th</sup> July, 2023	Conducted
14	UG & PG Project Reviews	11 <sup>th</sup> to 14 <sup>th</sup> Sept 2023 & 02 <sup>nd</sup> to 06 <sup>th</sup> Dec 2023	Conducted
15	Industrial Visits	If any in the odd semester	Conducted

16	I Mid Examinations (odd semester)	18-09-23 to 23-09-23	Conducted
17	Review of I Mid Exam Results	29-09-23	Analyzed
18	Make up or Remedial Classes	02-10-2023	Conducted
19	II Mid Examinations (odd semester)	27-11-23 to 02-12-23	Conducted
20	Internal Lab Examinations	20-11-23 to 25-11-23	Conducted
21	Course End Survey	22-11-23 to 25-11-23	Collected & Analyzed
22	Feedback on Faculty by HOD	22-11-23 to 25-11-23	Collected & Analyzed
23	Selection of Electives by the Students for next Semester	20-11-20 to 25-11-23	Collected & Analyzed
24	External Lab Examinations	04-12-23 to 16-12-23	Conducted
25	Semester End Examination	18-12-23 to 30-12-23	Conducted
<b>2<sup>nd</sup> Semester</b>			
26	HOD and Faculty meeting	19-12-2023	Conducted
27	Add on Courses	Plan as per requirement in the even Semester	Conducted
28	Preparation of Time Tables for even semester	25-12-23 to 28-12-23	Completed
29	Tentative Schedule of Seminar / Workshop / Guest Lectures I	Plan as per convenience	Conducted
30	Industrial Visits	Plan as per convenience	Conducted
31	Cultural and Sports Activities	08-01-24 to 12-01-24	Conducted
32	Commencement of class work	01-01-2024	Conducted
33	I Mid Examinations (even semester)	26-02-24 to 02-03-24	Conducted
34	Review of I Mid Exam Results (even semester)	08-03-24 & 09-03-24	Analyzed
35	Make up or Remedial Classes	09-03-23 to 10-03-23 13-04-23 to 14-04-23	Conducted
36	Review of Results of odd semester (SEE)	As and when results are declared	Analyzed
37	UG & PG Project Reviews	08-01-24 to 10-01-24 21-03-24 to 23-03-24	Conducted
38	Internal Lab Examinations (even semester)	23-04-24 – 27-04-24	Conducted
39	Course End Survey	23-04-24 – 27-04-24	Collected & Analyzed
40	Feedback on Faculty by HOD	25-04-2024 to 27-04-2024	Collected & Analyzed
41	Selection of Electives by the Students for next Semester	07-05-2024 – 09-05-2024	Collected & Analyzed

<b>42</b>	External Lab Examinations	06-05-2024 – 18-05-2024	Conducted
<b>43</b>	Semester End Examination	20-05-2024 – 05-06-2024	Conducted
<b>44</b>	UG & PG Project Viva	29-04-2024 – 04-05-2024	Conducted
<b>45</b>	Requirement of Faculty Planning for the next Year	20-05-2024 – 05-06-2024	Collected
<b>46</b>	Requirement of Books Planning for the next Year	20-05-2024 – 05-06-2024	Collected
<b>47</b>	Alumni Meeting	12-01-2024 – 15-01-2024	Conducted
<b>48</b>	Program Exit Survey	06-05-2024 – 18-05-2024	Collected
<b>49</b>	Student Satisfaction Survey	06-05-2024 – 18-05-2024	Collected
<b>50</b>	Academic Audit	06-05-2024 – 18-05-2024	Conducted
<b>51</b>	Stock Verification of Labs	06-05-2024 – 18-05-2024	Completed
<b>52</b>	Parent Teacher Meeting	06-05-2024 – 18-05-2024	Conducted

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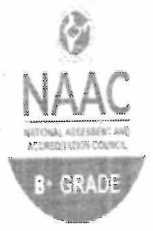
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## DEPARTMENT OF MECHANICAL ENGINEERING

### FACULTY WORK LOAD FOR ODD SEMESTER (2023-24)

WORK LOAD FOR THE A.Y.2023-24						
S.No	NAME OF THE FACULTY	SUBJECT 1	SUBJECT2	LAB1	LAB2	ADDITIONAL RESPONSIBILITIES
1	Dr.B.RAMANA					PRINCIPAL
2	M.V.V BHASKAR RAO	KOM				
3	L.BINDU	CAED	UCMP	D&M		
4	G. MARY BLANDINA	MMTM	DM	MT		EXAM CELL INCHARGE
5	PUTTAM SRINIVASA RAO	PPE	TE 2		TE	LAB INCHARGE
6	T.MASTANAIAH	DMM 1	MOS			HOD
7	K.VAMSIDHAR	PT	NDE	PT	MECHTRO	TIMETABLE
8	Y V ASHOK GOWD	FMHM	AM	FMHM		CLASS INCHARGE
9	CH PREM KIRAN		EM			LAB INCHARGE
10	M D N V SUDHA RANI	E.G		W.S		LAB INCHARGE
11	V KRISHNA REDDY ARUMALLA	E.M		W.S		GAMES&LIBRARY
12	K SIVA GANGADHAR	E.G		W.S		
13	K DEEPTHI	E.G		W.S		

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PRINCIPAL

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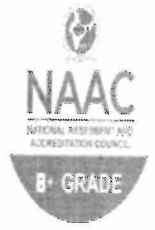
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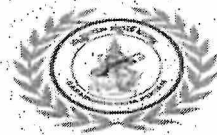
### FACULTY WORK LOAD FOR EVEN SEMESTER (2023-24)

WORK LOAD FOR THE A.Y.2023-24						
S.No	NAME OF THE FACULTY	SUBJECT 1	SUBJECT2	LAB1	LAB2	ADDITIONAL RESPONSIBILITIES
1	Dr.B.RAMANA					PRINCIPAL
2	M.V.V BHASKAR RAO	DOM		TOM		PROJECT REVIEWER
3	L.BINDU	MDP		CAE		
4	G. MARY BLANDINA	AE	IEM			EXAM CELL INCHARGE
5	PUTTAM SRINIVASA RAO		H.T	H.T LAB		PROJECT REVIEWER & CO ORDINATOR
6	T.MASTANAIAH	DMM 2		MOS	PYTHON	PROJECT REVIEWER
7	K.VAMSIDHAR			MS&M		TIMETABLE
8	Y V ASHOK GOWD	E.G				CLASS INCHARGE
9	CH PREM KIRAN	MS&M				LAB INCHARGE
10	M D N V SUDHA RANI			W.S		LAB INCHARGE
11	V KRISHNA REDDY ARUMALLA	E.M		W.S		GAMES&LIBRARY
12	K SIVA GANGADHAR	E.G		W.S		
13	K DEEPTHI	E.G		W.S		

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## DEPARTMENT OF MECHANICAL ENGINEERING TIMETABLE FOR B.TECH II YEAR I SEMESTER (AY: 23-24)

DAY/ PERIOD	1	2		3	4		5	6	7	
	9:20- 10:20	10:20- 11:20	11.20- 11.30	11:30- 12:20	12:20- 1:10	1:10-02:00	2:00-2:45	2:45-3:30	3:30-4:15	
MON	MOS	MOS	BREAK	M3	FMHM	LUNCH	PT	KOM	MOS	
TUE	MOS	PT		KOM	MOS		D&M LAB			
WED	M3			FMHM	PT		PT LAB			
THU	PT	FMHM		KOM			FMHM LAB			
FRI	M3			PT			M3	MOS	KOM	
SAT	MOS	FMHM		KOM	FMHM		CAED LAB			

SUBJECT/LAB	FACULTY
Vector Calculus, Fourier Transforms and PDE(M-III)	K.SOWJANYA
Mechanics of Solids	T.MASTANAIAH
Fluid Mechanics & Hydraulic Machines	Y V ASHOK GOWD
Production Technology	K VAMSIDHAR
Kinematics of Machinery	M.V.U B RAO
Computer Aided Engineering Drawing Practice	L BINDU
Fluid Mechanics & Hydraulic Machines Lab	Y V ASHOK GOWD
Production Technology Lab	K VAMSIDHAR
Drafting and Modeling Lab	L BINDU

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## DEPARTMENT OF MECHANICAL ENGINEERING TIMETABLE FOR B.TECH III YEAR I SEMESTER (AY:23-24)

DAY/ PERIOD	1	2	11:20- 11:30	3	4	1:10- 2:00	5	6	7
	9:20-10:20	10:20-11:20		11:30-12:20	12:20-1:10		2:00-2:45	2:45-3:30	3:30-4:15
MON	MMM		WATER BREAK	RES	DMM-I	LUNCH	ACS LAB		
TUE	LIBRARY	CRT		DMM-I	RES		MMM	ADV.MAT	
WED	DMM-I	LIBRARY		RES	TE-II		ADV.MAT	SPORTS	
THU	MMM	TE-II		RES	PEHV		TE LAB		
FRI	HOD/COU	DMM-I		DMM-I	TE-II		M/C TOOLS LAB		
SAT	PEHV	MMM		RES	TE-II		CRT	ADV.MAT	

SUBJECT/LAB	FACULTY
Thermal Engineering-II	Mr. P. SRINIVASA RAO
Design of Machine Members-I	Mr. T. MASTANAIAH
Machining, Machine Tools & Metrology	Mrs. G MARY BLANDINA
Advanced Materials	Mr. Y.V. ASHOK GOWD
Renewable Energy Sources (EEE)	Mr.K.PRABHARA RAO
Machine Tools Lab	Mrs. G MARY BLANDINA
Thermal Engineering Lab	Mr. P SRINIVASA RAO
Advanced Communication Skills Lab	Mrs JYOTHI
PEHV	Mr. K. PRAJWAL KUMAR

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## DEPARTMENT OF MECHANICAL ENGINEERING TIMETABLE FOR B.TECH IV YEAR I SEMESTER (AY: 23-24)

DAY/ PERIOD	1	2	11:20- 11:30	3	4	1:10- 2:00	5	6	7	
	9:20-10:20	10:20-11:20		11:30-12:20	12:20-1:10		2:00-2:45	2:45-3:30	3:30-4:15	
MON	E.M	NDE	WATER BREAK	UHV	LIBRARY	LUNCH	UCMP		UHV	
TUE	E.MT	PPE		NDE	COUNCELLING		MCT LAB			
WED	PPE	NDE		CRT	UHV		D.M	SPORTS		
THU	E.M	PPE		NDE	UCMP		D.M		UHV	
FRI	D.M	NDE		PPE	UCMP		D.M	SEMINAR		
SAT	E.M			PPE	CRT		UCMP		LIBRARY	

SUBJECT/LAB	FACULTY
Unconventional Machining Processes (UCMP)	Mrs. L.BINDU
Power Plant Engineering (PPE)	Mr. P.SRINIVASA RAO
Non Destructive Evaluation (NDE)	Mr. K.VAMSIDHAR
Environmental Management(EM)	Mr. CH.PREM KIRAN
Disaster Management(DM)	Mr. G.MARY BLANDINA
Universal Human Values: Understanding Harmony(UHV)	Mr. M.RAGHAVULU
Mechatronics Lab	Mr. K VAMSIDHAR

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## DEPARTMENT OF MECHANICAL ENGINEERING TIMETABLE FOR B.TECH II YEAR II SEMESTER (AY:23-24)

DAY/ PERIOD	1	2		3	4		5	6	7
	9:20-10:20	10:20-11:20	11.20-11.30	11:30-12:20	12:20-1:10	1:10-02:00	2:00-2:45	2:45-3:30	3:30-4:15
MON	TE I	CVSM	BREAK	IEM	IEM	LUNCH	PYTHON LAB		
TUE	IEM	TE I			IEM		MD PRACTICE		
WED	IEM	DOM		CVSM	CVSM		DOM	LIB	MSM
THU	DOM	DOM		MSM	DOM		MSM	DOM	
FRI	TE I	TE I		MSM	MSM		TOM LAB		
SAT	CVSM	CVSM		TE I	TE I		MOS & M LAB		

SUBJECT/LAB	FACULTY
Material Science & Metallurgy	CH PREM KIRAN
Complex Variables and Statistical Methods	M.KALYANI
Dynamics of Machinery	M V U B RAO
Thermal Engineering-I	P SRINIVAS RAO
Industrial Engineering and Management	G MARY BLANDINA
Mechanics of Solids and Metallurgy Lab	T MASTANAIAH
Machine Drawing Practice	L BINDU
Theory of Machines Lab	M V U B RAO
Python Programming Lab	T. MASTANAIAH

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## DEPARTMENT OF MECHANICAL ENGINEERING TIMETABLE FOR B.TECH III YEAR II SEMESTER (AY:23-24)

DAY/ PERIOD	1	2	11:20- 11:30	3	4	1:10- 2:00	5	6	7
	9:20-10:20	10:20-11:20		11:30-12:20	12:20-1:10		2:00-2:45	2:45-3:30	3:30-4:15
MON	DMM-II	RM IPR	WATERBREAK	AIML		LUNCH	CAM/CAELAB		
TUE	HT	CRT		ECE			DMM-II		
WED	HT			AE			M&MLAB		
THU	DMM-II	RM IPR		CRT	AIML		HTLAB		
FRI	LIBRARY	HT		ECE			AIMLLAB		
SAT	SEMINAR			AIML			AE	HT	

SUBJECT/LAB	FACULTY
Heat Transfer	P SRINIVAS RAO
Design of Machine Members-II	T MASTANAIAH
Introduction to Artificial Intelligence and Machine Learning	G YAMINI SATISH
Automobile Engineering	G MARY BLANDINA
Elements of Civil Engineering	B. HIMA BINDU
Heat Transfer Lab	P SRINIVAS RAO
CAE & CAM Lab	L BINDU
Measurements & Metrology Lab	K VAMSIDHAR
Artificial Intelligence and Machine Learning Lab	G YAMINI SATISH
RM & IPR	RAGHAVULU

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DAY/ PERIOD	1	2	11:20- 11:30	3	4	1:10- 2:00	5	6	7
	9:20-10:20	10:20-11:20		11:30-12:20	12:20-1:10		2:00-2:45	2:45-3:30	3:30-4:15
MON	PROJECT		WATERBREAK	PROJECT		LUNCH	PROJECT		
TUE									
WED									
THU									
FRI									
SAT							PROJECT REVIEW		

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## Lesson Plan

<b>PROGRAM: B. Tech</b>	<b>Course Code: R2021043</b>
<b>ACADAMIC YEAR: 2023-24</b>	<b>Year-Semester: II- I</b>
<b>Faculty Name: Mr. G. SURESH</b>	<b>COURSE NAME: Signals &amp; Systems</b>
<b>BRANCH: ECE</b>	<b>COURSE TYPE*: BS/HSM/ES/PC/OE/MC/PROJ : PC</b>

\* BSC: Basic Science; HSM: Humanities, Social sciences & management; ES: Engineering science; PC: Program core; PE: Program elective; MC: Mandatory course; PROJ:-Project

SL. No.	Topic/ Sub Topic	Teaching method <sup>##</sup>
1	<b>UNIT- I: INTRODUCTION:</b> Definition of Signals and Systems, Classification of Signals	C & T
2	Classification of Systems	PPT
3	Operations on signals: time-shifting, time-scaling, amplitude-shifting, amplitude-scaling.	C & T
4	Problems on classification and characteristics of Signals and Systems.	C & T
5	Complex exponential and sinusoidal signals	C & T
6	Singularity functions and related functions: impulse function, step function signum function and ramp function.	C & T
7	Analogy between vectors and signals	C & T
8	orthogonal signal space	C & T
9	Signal approximation using orthogonal functions	C & T
10	Mean square error	C & T
11	Closed or complete set of orthogonal functions	C & T
12	Orthogonality in complex functions. Related problems.	C & T
13	<b>UNIT-II: FOURIER SERIES AND FOURIER TRANSFORM:</b> Fourier series representation of continuous time periodic signals	C & T

14	properties of Fourier series	C & T
15	Dirichlet's conditions	C & T
16	Trigonometric Fourier series and Exponential Fourier series	C & T
17	Relation between Trigonometric and Exponential Fourier series	C & T
18	Complex Fourier spectrum.	C & T
19	Deriving Fourier transform from Fourier series	C & T
20	Fourier transform of arbitrary signal	C & T
21	Fourier transform of standard signals	C & T
22	Fourier transform of periodic signals	C & T
23	properties of Fourier transforms	NPTEL
24	Fourier transforms involving impulse function and Signum function.	C & T
25	Introduction to Hilbert Transform, Related problems.	C & T
26	<b>UNIT-III: ANALYSIS OF LINEAR SYSTEMS:</b> Introduction	PPT
27	Linear system, impulse response	C & T
28	Response of a linear system, Linear time invariant (LTI) system, Linear time variant (LTV)system	C & T
29	Concept of convolution in time domain and frequency domain	C & T
30	Graphical representation of convolution	C & T
31	Transfer function of a LTI system, Related problems	C & T
32	Filter characteristics of linear systems.	C & T
33	Distortion less transmission through a system	C & T
34	Signal bandwidth, system bandwidth	C & T
35	Ideal LPF, HPF and BPF characteristics	PPT
36	Causality and Poly-Wiener criterion for physical realization	C & T
37	Relationship between bandwidth and rise time	C & T
38	<b>UNIT-IV: CORRELATION:</b> Auto-correlation and cross-correlation of functions	C & T

39	Properties of correlation function	C & T
40	Energy density spectrum, Parseval's theorem	C & T
41	Power density spectrum, Relation between Convolution and correlation	C & T
42	Detection of periodic signals in the presence of noise by correlation	C & T
43	Extraction of signal from noise by filtering.	C & T
44	<b>SAMPLING THEOREM:</b> Graphical and analytical proof for Band Limited Signals	PPT
45	impulse sampling, Natural and Flat top Sampling	C & T
46	Reconstruction of signal from its samples	C & T
47	Effect of under sampling –Aliasing	C & T
48	Introduction to Band Pass sampling	C & T
49	Related problems.	C & T
50	<b>UNIT-V: LAPLACE TRANSFORMS:</b> Introduction,	C & T
51	Concept of region of convergence (ROC) for Laplace transform	C & T
52	constraints on ROC for various classes of signals, Properties of L.T's,	C & T
53	Inverse Laplace transform, Relation between L.T's, and F.T. of a signal.	C & T
54	Laplace transform of certain signals using waveform synthesis.	C & T
55	<b>Z-TRANSFORMS:</b> Concept of Z-Transform of a discrete sequence.	C & T
56	Region of convergence in Z-Transform	C & T
57	constraints on ROC for various classes of signals	C & T
58	Inverse Z-transform	C & T
59	properties of Z-transforms.	C & T
60	Distinction between Laplace, Fourier and Z transforms.	C & T

## Teaching Methods: C&T:-Chalk & Talk; S/P:-Slides/PPT; Videos; SEM: Seminar; DEMO; CHART; ET/GL: Expert Talk/Guest Lecture; QUIZ; GD:-Group discussion; RTCS: Real time case studies; JAR:-Journal article review; PD:-Poster design; OL:-Online lecture/Google class room



# VIKAS COLLEGE OF ENGINEERING & TECHNOLOGY

(Autonomous)  
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Make IT Better

## VEDHA TECHNOLOGIES &

Software Development and Training Company



Conducted a summer internship from **05-06-2024** to **27-07-2024**

where Mr./Ms./Mrs. **NAGATEJA GUNDU, III<sup>rd</sup> YEAR, ECE**

excelled in Red Hat **ENTERPRISE LINUX AND SYSTEM ADMINISTRATOR**

*Professional Communication Skills & Competitive Coding*

Signature  
Principal  
Vikas College of Engineering & Technology  
(Autonomous)



Signature  
Technical Lead  
Vedha Technologies



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Conducted a summer internship from **05-06-2024** to **27-07-2024**

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Principal  
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(Autonomous)



Signature  
Technical Lead  
Vedha Technologies



**VIKAS COLLEGE OF ENGINEERING AND TECHNOLOGY**

**DEPARTMENT OF CIVIL ENGINEERING**



**CERTIFICATE**

This is to certify that the project report entitled “ANALYSIS AND DESIGN OF DUPLEX BUILDING BY USING STAAD PRO” Is a bonafied work.

Submitted by

<b>B.MAHESH KUMAR</b>	<b>21NQ5A0102</b>
<b>N.GEETHA SRAVANTH</b>	<b>20NQ1A0113</b>
<b>G. VANI</b>	<b>21NQ5A0106</b>
<b>CH. GANGADAR</b>	<b>21NQ5A0103</b>

Students of IV<sup>th</sup> B.TECH, In the department of CIVIL, in “VIKAS COLLEGE OF ENGINEERING AND TECHNOLOGY”, NUNNA during the academic year 2023-2024 in partial fulfillment for the award of degree of bachelor technology JNTUK, KAKINADA

  
PROJECT GUIDE

  
HEAD OF THE DEPARTMENT

  
EXTERNAL EXAMINER  
18/5/24

DEPARTMENT OF CIVIL ENGINEERING

VIKAS COLLEGE OF ENGINEERING & TECHNOLOGY

NUNNA, VIJAYAWADA RURAL, NTR DT, PIN- 521212

APPROVED BY AICTE, NEW DELHI & AFFILIATED TO JNTUK,  
KAKINADA



**CERTIFICATE**

This is to certify the project work entitled “AN INVESTIGATION ON STEEL FIBER REINFORCED CONCRETE BY USING GGBS AS PARTIAL REPLACEMENT OF CEMENT” is a bonafied work.

Submitted By

**S. BALA SANDHYA RANI**

**21NQ5A0118**

**M. MANINDRA**

**20NQ1A0108**

**P. LAKSHMI REDDY**

**20NQ1A0114**

**P. PRAKASH**

**21NQ5A0115**

Students of IVth B. TECH II semester, in the department of CIVIL,

VIKAS COLLEGE OF ENGINEERING & TECHNOLOGY NUNNA during The academic year 2020-2024 in partial fulfillment for the award of degree of Bachelor technology, JNTU, KAKINADA

**GUIDE**

*V. Anusha*  
**V. ANUSHA**

(Asst professor)

*K.K.D. Varaprasad*  
**HOD, CIVIL**

**K.K.D. VARAPRASAD**

*T. Lakshmi*  
**EXTERNAL EXAMINER**  
18/5/24



**I B.TECH I SEMESTER (R23)**

**JAWAHARLAL NEHRU TECHNOLOGICAL UNIVERSITY KAKINADA**  
UNIVERSITY EXAMINATION CENTER, KAKINADA

**I B.TECH I SEMESTER (R23 REGULATION) I MID & ONLINE QUIZ EXAMINATIONS, NOVEMBER-2023**

**REVISED TIME TABLE**

**TIME: 10.00 AM TO 12.00 NOON**

<b>DATE &amp; DAY</b>	<b>20-11-2023 (Monday)</b>	<b>21-11-2023 (Tuesday)</b>	<b>22-11-2023 (Wednesday)</b>	<b>23-11-2023 (Thursday)</b>	<b>24-11-2023 (Friday)</b>
<b>Branch &amp; Subjects</b>	<p style="text-align: center;">Communicative English <b>R231101</b> (Common to EEE, CSE, Chemical, FT, PT, Ph.E)</p> <p style="text-align: center;">Engineering Physics <b>R231108</b> (Common to CE, ME, ECE, IT, AME, Mining, Robotics, Agri E, ECE-Allied, CSE-Allied)</p>	<p style="text-align: center;">Linear Algebra &amp; Calculus <b>R231105</b> (Common to All Branches)</p>	<p style="text-align: center;">Basic Civil &amp; Mechanical Engineering <b>R231106</b> (Common to EEE, CSE, Chemical, FT, PT, Ph.E)</p> <p style="text-align: center;">Basic Electrical &amp; Electronics Engineering <b>R231109</b> (Common to CE, ME, ECE, IT, AME, Mining, Robotics, Agri E, ECE-Allied, CSE-Allied)</p>	<p style="text-align: center;">Introduction to Programming <b>R231107</b> (Common to All Branches)</p>	<p style="text-align: center;">Engineering Chemistry <b>R231102</b> (Com. to Chemical, PT)</p> <p style="text-align: center;">Chemistry <b>R231103</b> (Common to EEE, CSE)</p> <p style="text-align: center;">Fundamental Chemistry <b>R231104</b> (Common to FT, Ph.E)</p> <p style="text-align: center;">Engineering Graphics <b>R231110</b> (Common to CE, ME, ECE, IT, AME, Mining, Robotics, Agri E, ECE-Allied, CSE-Allied)</p>

**NOTE:**

- i. ANY OMISSIONS OR CLASHES IN THIS TIME TABLE MAY PLEASE BE INFORMED TO THE CONTROLLER OF EXAMINATIONS IMMEDIATELY.
- ii. EVEN IF GOVERNMENT DECLARES HOLIDAY ON ANY OF THE ABOVE DATES, THE EXAMINATIONS SHALL BE CONDUCTED AS USUAL.
- iii. THE PRINCIPALS ARE REQUESTED TO INFORM THE UNIVERSITY ANY OTHER SUBSTITUTE SUBJECTS THAT ARE NOT INCLUDED IN THE ABOVE TIME TABLE IMMEDIATELY.

**DATE: 14-11-2023**

**Controller of Examinations (UG)**



II B.TECH I SEMESTER (R20)

# JAWAHARLAL NEHRU TECHNOLOGICAL UNIVERSITY KAKINADA

UNIVERSITY EXAMINATION CENTER, KAKINADA

## II B.TECH I SEMESTER (R20 REGULATION) I MID & ONLINE QUIZ EXAMINATIONS, OCTOBER - 2023

### REVISED TIME TABLE

TIME: 10.00 AM TO 12.00 NOON

BRANCH	DAY & DATE				
	03-10-2023 (Tuesday)	04-10-2023 (Wednesday)	05-10-2023 (Thursday)	06-10-2023 (Friday)	07-10-2023 (Saturday)
<b>CIVIL ENGINEERING (01-CE)</b>	Mathematics -III <b>R2021011</b> (Except EEE,FE)	Strength of Materials-I <b>R2021012</b>	Fluid Mechanics <b>R2021013</b>	Surveying and Geometrics <b>R2021014</b>	Highway Engineering <b>R2021015</b>
<b>ELECTRICAL AND ELECTRONICS ENGINEERING (02-EEE)</b>	Mathematics – IV <b>R2021021</b>	Electronic Devices and Circuits <b>R2021022</b>	Electrical Circuit Analysis –II <b>R2021023</b>	DC Machines and Transformers <b>R2021024</b>	Electro Magnetic Fields <b>R2021025</b>
<b>MECHANICAL ENGINEERING (03-ME)</b>	Mathematics -III <b>R2021011</b> (Except EEE,FE)	Mechanics of Solids <b>R2021031</b> (Common to ME,AME)	Production Technology <b>R2021033</b>	Fluid Mechanics & Hydraulic Machines <b>R2021032</b> (Comm to ME,AME)	Kinematics of Machinery <b>R2021034</b>
<b>ELECTRONICS &amp; COMMUNICATION ENGINEERING (04-ECE)</b>	Mathematics -III <b>R2021011</b> (Except EEE,FE)	Electronic Devices and Circuits <b>R2021041</b> (Common to ECE,EIE,ECT)	Switching Theory and Logic Design <b>R2021042</b> (Common to ECE,EIE,ECT)	Signals and Systems <b>R2021043</b> (Common to ECE,EIE,ECT)	Random Variables and Stochastic Processes <b>R2021044</b> (Common to ECE,ECT)
<b>COMPUTER SCIENE &amp; ENGINEERING (05-CSE)</b>	Mathematics -III <b>R2021011</b> (Except EEE,FE)	Mathematical Foundations of Computer Science <b>R2021054</b> (Comm to CSE, CST, CSE (AIML),AI,DS,CSE(AIDS),CSE (CS),IOTCSBT,CSBS,IOT,AIDS,CS,AIML,IOT,CSD)	Object Oriented Programming through C++ <b>R2021051</b> (Common to CSE,IT)	Operating Systems <b>R2021052</b> (Common to CSE,CST, IT,CS,IOTCSBT,IOT,CS)	Software Engineering <b>R2021053</b>
<b>COMPUTER SCIENE &amp; TECHNOLOGY (06)</b>	Mathematics -III <b>R2021011</b> (Except EEE,FE)	Mathematical Foundations of Computer Science <b>R2021054</b> (Comm to CSE,CST,CSE(AIML), AI,DS,CSE(AIDS),CSE(CS),IOTCSBT,CSBS ,IOT,AIDS,CS,AIML,IOT,CSD)	Data Structures <b>R2021061</b> (Common to CST,CSE (CS) CS,OITCSBT,CSBS,IOT,CS,IOT)	Operating Systems <b>R2021052</b> (Common to CSE,CST,IT, CSE(CS),IOTCSBT,IOT)	Java Programming <b>R2021062</b> (Comm to CST,CSE(CS), OITCSBT,IOT,CS,IOT)



II B.TECH I SEMESTER (R20)

**JAWAHARLAL NEHRU TECHNOLOGICAL UNIVERSITY KAKINADA**

UNIVERSITY EXAMINATION CENTER, KAKINADA

**II B.TECH I SEMESTER (R20 REGULATION) I MID & ONLINE QUIZ EXAMINATIONS, OCTOBER - 2023****REVISED TIME TABLE****TIME: 10.00 AM TO 12.00 NOON**

BRANCH	DAY & DATE				
	03-10-2023 (Tuesday)	04-10-2023 (Wednesday)	05-10-2023 (Thursday)	06-10-2023 (Friday)	07-10-2023 (Saturday)
<b>ELECTRONICS AND INSTRUMENTATION ENGINEERING (10-EIE)</b>	Mathematics -III <b>R2021011</b> (Except EEE,FE)	Electronic Devices and Circuits <b>R2021041</b> (Common to ECE,EIE,ECT)	Switching Theory and Logic Design <b>R2021042</b> (Common to ECE,EIE,ECT)	Signals and Systems <b>R2021043</b> (Common to ECE,EIE,ECT)	Electronic Measurements and Instrumentation <b>R2021101</b>
<b>INFORMATION TECHNOLOGY (12-IT)</b>	Mathematics -III <b>R2021011</b> (Except EEE,FE)	Discrete Mathematics and Graph Theory <b>R2021122</b>	Object Oriented Programming through C++ <b>R2021051</b> (Common to CSE, IT)	Operating Systems <b>R2021052</b> (Common to CSE,CST,IT,CS,IOTCSBT,IOT)	Database Management Systems <b>R2021121</b> (Common to IT,CSE(AIML), AL,DS,CSE(AIDS), AIDS,AIML,CSD)
<b>ELECTRONICS &amp; COMMUNICATION TECHNOLOGY (14)</b>	Mathematics -III <b>R2021011</b> (Except EEE,FE)	Electronic Devices and Circuits <b>R2021041</b> (Common to ECE,EIE,ECT)	Switching Theory and Logic Design <b>R2021042</b> (Common to ECE,EIE,ECT)	Signals and Systems <b>R2021043</b> (Common to ECE,EIE,ECT)	Random Variables and Stochastic Process <b>R2021044</b> (Common to ECE,ECT)
<b>AUTO MOBILE ENGINEERING (24-AME)</b>	Mathematics -III <b>R2021011</b> (Except EEE,FE)	Mechanics of Solids <b>R2021031</b> (Common to ME,AME)	Thermodynamics <b>R2021241</b>	Fluid Mechanics & Hydraulic Machines <b>R2021032</b> (Comm to ME,AME)	Components of Automobile Chassis <b>R2021242</b>
<b>MINING ENGINEERING (26-MM)</b>	Mathematics -III <b>R2021011</b> (Except EEE,FE)	Development of Mineral Deposits <b>R2021261</b>	Mine Surveying <b>R2021262</b>	Engineering and Economic Geology <b>R2021263</b>	Mineral Processing Technology <b>R2021264</b>
<b>PETROLEUM ENGINEERING/PETROLEUM TECHNOLOGY (27-PE)</b>	Mathematics -III <b>R2021011</b> (Except EEE,FE)	Petroleum Geology <b>R2021271</b>	Fluid Mechanics for Petroleum Engineers <b>R2021272</b>	Heat Transfer Operations <b>R2021273</b>	Material and Energy Balances <b>R2021274</b>



**JAWAHARLAL NEHRU TECHNOLOGICAL UNIVERSITY KAKINADA**

UNIVERSITY EXAMINATION CENTER, KAKINADA

**II B.TECH I SEMESTER (R20 REGULATION) I MID & ONLINE QUIZ EXAMINATIONS, OCTOBER - 2023**

**REVISED TIME TABLE**

**TIME: 10.00 AM TO 12.00 NOON**

BRANCH	DAY & DATE				
	03-10-2023 (Tuesday)	04-10-2023 (Wednesday)	05-10-2023 (Thursday)	06-10-2023 (Friday)	07-10-2023 (Saturday)
<b>AGRICULTURAL ENGINEERING (35-AGE)</b>	Mathematics -III <b>R2021011</b> (Except EEE,FE)	Surveying and Leveling <b>R2021351</b>	Fluid Mechanics and Open Channel Hydraulics <b>R2021352</b>	Properties and Strength of Materials <b>R2021353</b>	Farm Power and Tractor Systems <b>R2021354</b>
<b>CSE (Artificial Intelligence and Machine Learning) (42)</b>	Mathematics -III <b>R2021011</b> (Except EEE,FE)	Mathematical Foundations of Computer Science <b>R2021054</b> (Comm to CSE,CST,CSE(AIML), AI,DS,CSE(AIDS),CSE(CS),IOTCSBT,CSBS ,IOT,AIDS,CS,AIML,IOT,CSD)	Introduction to Artificial Intelligence and Machine Learning <b>R2021421</b> (Common to CSE(AIML), AIML)	Object Oriented Programming with Java <b>R2021422</b> (Comm to CSE(AIML),AI,DS,CSE(AIDS), AIDS,AIML)	Database Management Systems <b>R2021121</b> (Common to IT,CSE(AIML),AI,DS, CSE(AIDS), AIDS,AIML,CSD)
<b>CSE (Artificial Intelligence) (43)</b>	Mathematics -III <b>R2021011</b> (Except EEE,FE)	Mathematical Foundations of Computer Science <b>R2021054</b> (Comm to CSE,CST,CSE(AIML), AI,DS,CSE(AIDS),CSE(CS),IOTCSBT,CSBS ,IOT,AIDS,CS,AIML,IOT,CSD)	Introduction to Artificial Intelligence <b>R2021431</b>	Object Oriented Programming with Java <b>R2021422</b> (Comm to CSE(AIML), AI,DS,CSE(AIDS),AIDS,AIML)	Database Management Systems <b>R2021121</b> (Common to IT,CSE(AIML) AI,DS,CSE(AIDS), AIDS,AIML, CSD)
<b>CSE (Data Science) (44)</b>	Mathematics -III <b>R2021011</b> (Except EEE,FE)	Mathematical Foundations of Computer Science <b>R2021054</b> (Comm to CSE,CST,CSE(AIML), AI,DS,CSE(AIDS),CSE(CS),IOTCSBT,CSBS ,IOT,AIDS,CS,AIML,IOT,CSD)	Fundamentals of Data Science <b>R2021441</b>	Object Oriented Programming with Java <b>R2021422</b> (Comm to CSE(AIML), AI,DS,CSE(AIDS),AIDS,AIML)	Database Management Systems <b>R2021121</b> (Common to IT,CSE(AIML) AI,DS,CSE(AIDS), AIDS,AIML, CSD)
<b>CSE (Artificial Intelligence and Data Science) (45)</b>	Mathematics -III <b>R2021011</b> (Except EEE,FE)	Mathematical Foundations of Computer Science <b>R2021054</b> (Comm to CSE,CST,CSE(AIML), AI,DS,CSE(AIDS),CS,IOTCSBT,CSBS,IOT, AIDS,AIML,IOT,CSD)	Introduction to Artificial Intelligence and Data Science <b>R2021451</b> (Comm to CSE(AIDS),AIDS)	Object Oriented Programming with Java <b>R2021422</b> (Comm to CSE(AIML),AI,DS,CSE(AIDS),AIDS, AIML)	Database Management Systems <b>R2021121</b> (Common to IT,CSE(AIML) AI,DS,CSE(AIDS), AIDS,AIML, CSD)



**JAWAHARLAL NEHRU TECHNOLOGICAL UNIVERSITY KAKINADA**

UNIVERSITY EXAMINATION CENTER, KAKINADA

**II B.TECH I SEMESTER (R20 REGULATION) I MID & ONLINE QUIZ EXAMINATIONS, OCTOBER - 2023**

**REVISED TIME TABLE**

**TIME: 10.00 AM TO 12.00 NOON**

BRANCH	DAY & DATE				
	03-10-2023 (Tuesday)	04-10-2023 (Wednesday)	05-10-2023 (Thursday)	06-10-2023 (Friday)	07-10-2023 (Saturday)
<b>CSE (Cyber Security) (46)</b>	Mathematics -III <b>R2021011</b> (Except EEE,FE)	Mathematical Foundations of Computer Science <b>R2021054</b> (Comm to CSE,CST,CSE(AIML), AIDS,CSE(AIDS),CSE(CS),IOTCSBT,CSBS, IOT,AIDS,CS,AIML,IOT,CSD)	Data Structures <b>R2021061</b> (Common to CST,CSE(CS)CS, OITCSBT,CSBS,IOT,CS,IOT)	Operating Systems <b>R2021052</b> (Common to CSE,CST,IT,CS,IOTCSBT,IOT)	Java Programming <b>R2021062</b> (Comm to CST,CSE(CS),OITCSBT,IOT,CS,IOT)
<b>CSE (Internet of things and Cyber security including Block chain Technology) (47)</b>	Mathematics -III <b>R2021011</b> (Except EEE,FE)	Mathematical Foundations of Computer Science <b>R2021054</b> (Comm to CSE,CST, CSE(AIML),AIDS,CSE(AIDS), CSE(CS),IOTCSBT,CSBS,IOT, AIDS,CS,AIML,IOT,CSD)	Data Structures <b>R2021061</b> (Common to CST,CSE(CS)CS,OITCSBT,CSBS,IO T,CS,IOT)	Operating Systems <b>R2021052</b> (Common to CSE,CST,IT,CS,IOTCSBT,IOT)	Java Programming <b>R2021062</b> (Comm to CST,CSE(CS),OITCSBT,IOT,CS,IOT)
<b>CSE (Computer Science and Business System) (48)</b>	Mathematics -III <b>R2021011</b> (Except EEE,FE)	Mathematical Foundations of Computer Science <b>R2021054</b> (Comm to CSE,CST,CSE(AIML),AIDS, CSE(AIDS),CS,IOTCSBT,CSBS, IOT,AIDS,AIML)	Data Structures <b>R2021061</b> (Common to CST,CSE(CS)CS,OITCSBT,CSBS,IO T,CS,IOT)	Formal Languages & Automata Theory <b>R2021481</b>	Computer Organization & Architecture <b>R2021482</b>
<b>CSE (Internet of Things) (49)</b>	Mathematics -III <b>R2021011</b> (Except EEE,FE)	Mathematical Foundations of Computer Science <b>R2021054</b> (Comm to CSE,CST,CSE(AIML),AIDS, CSE(AIDS),CSE(CS),IOTCSBT,CSBS,IOT,A IDS,CS,AIML,IOT,CSD)	Data Structures <b>R2021061</b> (Common to CST,CSE(CS)CS,OITCSBT,CSBS,IO T,CS,IOT)	Operating Systems <b>R2021052</b> (Common to CSE,CST,IT,CS,IOTCSBT,IOT)	Java Programming <b>R2021062</b> (Comm to CST,CSE(CS),OITCSBT,IOT,CS,IOT)
<b>FOOD ENGINEERING (51)</b>	Probability and Statistics <b>R2021511</b>	Principles of Food Engineering -I <b>R2021512</b>	Mechanical Operations in Food Processing <b>R2021513</b>	Fluid Mechanics in Food Processing <b>R2021514</b>	Food Microbiology <b>R2021515</b>



**JAWAHARLAL NEHRU TECHNOLOGICAL UNIVERSITY KAKINADA**

UNIVERSITY EXAMINATION CENTER, KAKINADA

**II B.TECH I SEMESTER (R20 REGULATION) I MID & ONLINE QUIZ EXAMINATIONS, OCTOBER - 2023**

**REVISED TIME TABLE**

**TIME: 10.00 AM TO 12.00 NOON**

BRANCH	DAY & DATE				
	03-10-2023 (Tuesday)	04-10-2023 (Wednesday)	05-10-2023 (Thursday)	06-10-2023 (Friday)	07-10-2023 (Saturday)
<b>ARTIFICIAL INTELLIGENCE AND DATA SCIENCE (54)</b>	Mathematics -III <b>R2021011</b> (Except EEE,FE)	Mathematical Foundations of Computer Science <b>R2021054</b> (Comm to CSE,CST,CSE(AIML),AIDS, CSE(AIDS),CSE(CS),IOTCSBT,CSBS, IOT,AIDS,CS,AIML,IOT,CSD)	Introduction to Artificial Intelligence and Data Science <b>R2021451</b> (Comm to CSE(AIDS),AIDS)	Object Oriented Programming with Java <b>R2021422</b> (Comm to CSE(AIML),AIDS,CSE(AIDS), AIDS,AIML)	Database Management Systems <b>R2021121</b> (Common to IT,CSE(AIML) AI,DS,CSE(AIDS), AIDS,AIML, CSD)
<b>PHARMACEUTICAL ENGINEERING (55)</b>	Mathematics – III <b>R2021011</b> (Except EEE,FE) (Vector Calculus, Transforms and PDE)	Pharmacology <b>R2021551</b>	Material and Energy Balance Computations <b>R2021552</b>	Fluid Mechanics and Mechanical Unit Operations <b>R2021553</b>	Thermodynamics for pharmaceutical Engineers <b>R2021554</b>
<b>CYBER SECURITY (59)</b>	Mathematics -III <b>R2021011</b> (Except EEE,FE)	Mathematical Foundations of Computer Science <b>R2021054</b> (Comm to CSE,CST,CSE(AIML),AIDS, CSE(AIDS),CSE(CS),IOTCSBT,CSBS, IOT,AIDS,CS,AIML,IOT,CSD)	Data Structures <b>R2021061</b> (Common to CST,CSE(CS)CS,OITCSBT, CSBS,IOT,CS,IOT)	Operating Systems <b>R2021052</b> (Common to CSE,CST,IT,CSE(CS),IOTCSBT,IOT)	Java Programming <b>R2021062</b> (Comm to CST,CSE(CS),OITCSBT,IOT,CS,.,IOT)
<b>INTERNET OF THINGS (60)</b>	Mathematics -III <b>R2021011</b> (Except EEE,FE)	Mathematical Foundations of Computer Science <b>R2021054</b> (Comm to CSE,CST,CSE(AIML),AI,DS, CSE(AIDS),CSE(CS),IOTCSBT,CSBS,IOT,AIDS,CS,AIML, IOT, CSD)	Data Structures <b>R2021061</b> (Common to CST,CSE(CS)CS,OITCSBT,C SBS,IOT,CS,IOT)	Operating Systems <b>R2021052</b> (Common to CSE,CST,IT,CS,IOTCSBT,IO T)	Java Programming <b>R2021062</b> (Comm to CST,CSE(CS),OITCSBT,IOT, CS,IOT)
<b>ARTIFICIAL INTELLIGENCE AND MACHINE LEARNING (61)</b>	Mathematics -III <b>R2021011</b> (Except EEE,FE)	Mathematical Foundations of Computer Science <b>R2021054</b> (Comm to CSE,CST, CSE (AIML),AI,DS,CSE(AIDS),CSE(CS), IOTCSBT,CSBS,IOT,AIDS,CS,AIML,IOT,CS D)	Introduction to Artificial Intelligence and Machine Learning <b>R2021421</b> (Common to CSE(AIML),AIML)	Object Oriented Programming with Java <b>R2021422</b> (Comm to CSE(AIML),AIDS,CSE(AIDS),AIDS, AIML)	Database Management Systems <b>R2021121</b> (Common to IT,CSE(AIML) AI,DS,CSE(AIDS), AIDS,AIML, CSD)





II B.TECH I SEMESTER (R20)

# JAWAHARLAL NEHRU TECHNOLOGICAL UNIVERSITY KAKINADA

UNIVERSITY EXAMINATION CENTER, KAKINADA

## II B.TECH I SEMESTER (R20 REGULATION) I MID & ONLINE QUIZ EXAMINATIONS, OCTOBER - 2023

### REVISED TIME TABLE

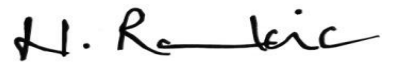
TIME: 10.00 AM TO 12.00 NOON

BRANCH	DAY & DATE				
	03-10-2023 (Tuesday)	04-10-2023 (Wednesday)	05-10-2023 (Thursday)	06-10-2023 (Friday)	07-10-2023 (Saturday)
<b>COMPUTER SCIENCE AND DESIGN (62)</b>	Mathematics -III <b>R2021011</b> (Except EEE,FE)	Mathematical Foundations of Computer Science <b>R2021054</b> (Comm to CSE,CST, CSE (AIML),AIDS,CSE(AIDS),CSE(CS),OT CSBT,CSBS,IOT,AIDS,CS,AIML,IOT, CSD)	Computer Graphics <b>R2021621</b>	Multimedia and Application Development <b>R2021622</b>	Database Management Systems <b>R2021121</b> (Common to IT,CSE(AIML) AIDS,CSE(AIDS), AIDS,AIML,CSD)

NOTE:

- (i) ANY OMISSIONS OR CLASHES IN THIS TIME TABLE MAY PLEASE BE INFORMED TO THE CONTROLLER OF EXAMINATIONS, IMMEDIATELY.
- (ii) EVEN IF GOVERNMENT DECLARES HOLIDAY ON ANY OF THE ABOVE DATES, THE EXAMINATIONS SHALL BE CONDUCTED AS USUAL.
- (iii) THE PRINCIPALS ARE REQUESTED TO INFORM THE UNIVERSITY ANY OTHER SUBSTITUTE SUBJECTS THAT ARE NOT INCLUDED IN THE ABOVE LIST IMMEDIATELY.

DATE: 27-09-2023

  
Controller of Examinations (UG)



**JAWAHARLAL NEHRU TECHNOLOGICAL UNIVERSITY KAKINADA**  
UNIVERSITY EXAMINATION CENTER, KAKINADA

**III B.TECH I SEMESTER (R20 REGULATION) I MID & ONLINE QUIZ EXAMINATIONS, SEPTEMBER - 2023**

**TIME TABLE**

**TIME: 02.00 PM TO 05.00 PM**

BRANCH	DATE & DAY					
	19.09.2023 (Tuesday)	20.09.2023 (Wednesday)	21.09.2023 (Thursday)	22.09.2023 (Friday)	23.09.2023 (Saturday)	25.09.2023 (Monday)
<b>CIVIL ENGINEERING</b> (01 CE)	Structural Analysis (R2031011)	Design And Drawing of Reinforced Concrete Structures (R2031012)	Geotechnical Engineering - I (R2031013)	<b>Professional Elective (PE) :-</b>	<b>Open Elective (OE I) :-</b>	.....
				Construction Technology & Management R203101A	Strength of Materials R203101E	
				Remote Sensing and GIS R203101B	Fluid Mechanics R203101F	
				Environmental Impact Assessment R203101C	Surveying and Geomatics R203101G	
				Low-Cost Housing R203101D	Highway Engineering R203101H	
					Safety Engineering R203101I	
					Environmental Management R203101J	
					Urban Planning R203101K	
<b>ELECTRICAL AND ELECTRONICS ENGINEERING</b> (02 EEE)	Power Systems-II (R2031021)	Power Electronics (R2031022)	Control Systems (R2031023)	<b>Professional Elective (PE) :-</b>	<b>Open Elective (OE I) :-</b>	.....
				Linear Ic Applications R203102A	Renewable Energy Sources R203102F	
				Utilization Of Electrical Energy R203102B	Concepts Of Optimization Techniques R203102G	
				Computer Architecture And Organization R203102C	Concepts of Control Systems R203102H	
				Optimization Techniques R203102D		
				Object Oriented Programming Through Java R203102E		
				Optimization Techniques R203102D		
				Object Oriented Programming Through Java R203102E		
<b>MECHANICAL ENGINEERING</b> (03 ME)	Thermal Engineering-II (R2031031)	Design of Machine Members-I (R2031032)	Machining, Machine Tools & Metrology (R2031033)	<b>Professional Elective (PE) :-</b>	<b>Open Elective (OE I) :-</b>	.....
				Finite Element Methods R203103A	Sustainable Energy Technologies R203103G	
				Industrial Robotics R203103B	Operations Research R203103H	
				Advanced Materials R203103C	Nano Technology R203103I	
				Renewable Energy Sources R203103D	Thermal Management of Electronic systems R203103J	
				Mechanics of Composites R203103E		
				MOOCs (NPTEL/Swayam) R203103F		
			<b>Professional Elective (PE) :-</b>	<b>Open Elective (OE I) :-</b>		



# JAWAHARLAL NEHRU TECHNOLOGICAL UNIVERSITY KAKINADA

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## III B.TECH I SEMESTER (R20 REGULATION) I MID & ONLINE QUIZ EXAMINATIONS, SEPTEMBER - 2023

### TIME TABLE

TIME: 02.00 PM TO 05.00 PM

BRANCH	DATE & DAY					
	19.09.2023 (Tuesday)	20.09.2023 (Wednesday)	21.09.2023 (Thursday)	22.09.2023 (Friday)	23.09.2023 (Saturday)	25.09.2023 (Monday)
<b>ELECTRONICS &amp; COMMUNICATION ENGINEERING</b>  (04 ECE)	Analog ICs and Applications (R2031041)	Electromagnetic Waves and Transmission Lines (R2031042)	Digital Communications (R2031043)	Antenna And Wave Propagation <b>R203104A</b>	Basics of Signals and Systems <b>R203104D</b>	.....
				Electronic Measurements & Instrumentation <b>R203104B</b>	Electronic Measurements and Instrum. <b>R203104E</b>	
				Computer Architecture & Organization <b>R203104C</b>	Principles of Signal Processing <b>R203104F</b>	
					Industrial Electronics <b>R203104G</b>	
					Consumer Electronics <b>R203104H</b>	
					Fundamentals of Microprocessors and Microcontrollers <b>R203104I</b>	
					Transducers and Sensors <b>R203104J</b>	
					IOT and Applications <b>R203104K</b>	
					Soft Computing Techniques <b>R203104L</b>	
					IC Applications <b>R203104M</b>	
					Principles of Communications <b>R203104N</b>	
					Basic Electronics <b>R203104O</b>	
					Data Communications <b>R203104P</b>	
	Digital Logic Design <b>R203104Q</b>					
	Remote Sensing and GIS <b>R203104R</b>					
	Bio Medical Instrumentation <b>R203104S</b>					
	Introduction to Microprocessor and Microcontrollers <b>R203114G</b>					
<b>COMPUTER SCIENCE &amp; ENGINEERING</b>  (05 CSE)	Computer Networks (R2031051) (Common to CSE,IT)	Design and Analysis of Algorithms (R2031052) (Common to CSE,IT)	Data Warehousing and Data Mining (R2031053)	<b>Professional Elective (PE II) :-</b>	<b>Open Elective (OE I) :-</b>	.....
				Artificial Intelligence <b>R203105A</b>	Optimization in Operations Research <b>R203105E</b>	
				Software Project Management <b>R203105B</b>	Data Structures <b>R203105F</b>	
				Distributed Systems <b>R203105C</b>	Object Oriented Progra. through JAVA <b>R203105G</b>	
				Advanced Unix Programming <b>R193205D</b>	Data Base Management Systems <b>R203105H</b>	
					Computer Graphics <b>R203105I</b>	
					Advanced UNIX Programming <b>R203105J</b>	
					Computer Organization and Arch. <b>R203105K</b>	
	Operating Systems <b>R203105L</b>					
<b>INFORMATION TECHNOLOGY</b>  (12 IT)	Computer Networks (R2031051) (Common to CSE,IT)	Design and Analysis of Algorithms (R2031052) (Common to CSE,IT)	Data Mining Techniques (R2031121)	<b>Professional Elective (PE II) :-</b>	<b>Open Elective (OE I) :-</b>	.....
				Artificial Intelligence <b>R203105A</b>	DevOps <b>R203112B</b>	
				Distributed Systems <b>R203105C</b>	Data Structures <b>R203105F</b>	
				Advanced Unix Programming <b>R203105D</b>	Object Oriented Progra. through JAVA <b>R203105G</b>	
				Agile Software Process <b>R203112A</b>	Data Base Management Systems <b>R203105H</b>	
					Computer Graphics <b>R203105I</b>	
					Advanced UNIX Programming <b>R203105J</b>	
	Computer Organization and Arch. <b>R203105K</b>					
	Operating Systems <b>R203105L</b>					
	<b>Professional Elective (PE II) :-</b>	<b>Open Elective (OE I) :-</b>				



# JAWAHARLAL NEHRU TECHNOLOGICAL UNIVERSITY KAKINADA

UNIVERSITY EXAMINATION CENTER, KAKINADA

## III B.TECH I SEMESTER (R20 REGULATION) I MID & ONLINE QUIZ EXAMINATIONS, SEPTEMBER - 2023

### T I M E T A B L E

TIME: 02.00 PM TO 05.00 PM

BRANCH	DATE & DAY					
	19.09.2023 (Tuesday)	20.09.2023 (Wednesday)	21.09.2023 (Thursday)	22.09.2023 (Friday)	23.09.2023 (Saturday)	25.09.2023 (Monday)
<b>AUTO MOBILE ENGINEERING</b>  (24 AME)	Theory of Machines (R2031241)	Production Technology (R2031242)	Vehicle Dynamics (R2031243)	Alternative Fuels for Engines <b>R203124A</b>  Two and Three Wheelers <b>R203124B</b>  Microprocessor and Micro Controllers <b>R203124C</b>  Heat Transfer <b>R203124D</b>  Industrial Hydraulics and Pneumatics <b>R203124E</b>  MOOC's/NPTEL <b>R203124F</b>	Basic Automobile Engineering <b>R203124G</b>  Automobile Maintenance and Safety <b>R203124H</b>  Automobile Emissions and Effects <b>R203124I</b>	.....
<b>MINING ENGINEERING</b>  (26 MM)	Mine Hazards and Rescue (R2031261)	Underground Coal Mining (R2031262)	Mine Hoisting and Transportation (R2031263)	<u>Professional Elective (PE) :-</u>  Remote Sensing and GIS <b>R203101B</b>  Resource Evaluation and Geo-Statistics - <b>R203126A</b>  Mine Planning and Design <b>R203126B</b>  Mine Safety & Ergonomics <b>R203126C</b>	<u>Open Elective (OE I) :-</u>  Introduction to Underground Mining <b>R203126D</b>  Introduction to Surface Mining <b>R203126E</b>  Tunneling and Underground Space Design <b>R203126F</b>  Engineering Survey <b>R203126G</b>	.....
<b>AGRICULTURAL ENGINEERING</b>  (35 AGE)	Farm Machinery and Equipment - I (R2031351)	Surface Water Hydrology (R2031352)	Post Harvest Engineering of Cereals, Pulses and Oilseeds (R2031353)	<u>Professional Elective - I</u>  Seed Processing and Storage Engineering <b>R203135A</b>  Greenhouse Technology <b>R203135B</b>  Tractor Design and Testing <b>R203135C</b>	<u>Open Elective - I</u>  Principles of Soil Science and Agronomy <b>R203135D</b>  Farm Power and Tractor Systems <b>R203135E</b>  Soil and Water Conservation Engineering <b>R203135F</b>  Ground Water Hydrology, Wells and Pumps <b>R203135G</b>  Surface Water Hydrology <b>R203135H</b>  Post Harvest Engineering of Cereals Pulses and Oilseeds <b>R203135I</b>  Agricultural Process Engineering <b>R203135J</b>	.....
				<u>Professional Elective (PE) :-</u>	<u>Open Elective (OE I) :-</u>	



# JAWAHARLAL NEHRU TECHNOLOGICAL UNIVERSITY KAKINADA

UNIVERSITY EXAMINATION CENTER, KAKINADA

## III B.TECH I SEMESTER (R20 REGULATION) I MID & ONLINE QUIZ EXAMINATIONS, SEPTEMBER - 2023

### TIME TABLE

TIME: 02.00 PM TO 05.00 PM

BRANCH	DATE & DAY					
	19.09.2023 (Tuesday)	20.09.2023 (Wednesday)	21.09.2023 (Thursday)	22.09.2023 (Friday)	23.09.2023 (Saturday)	25.09.2023 (Monday)
<b>CSE (Artificial Intelligence and Machine Learning) (42)</b>	<b>Compiler Design (R2031421)</b> <small>(Common to CSE(AIML), CSE(AI),CSE(DS),CS E(AIDS),AIDS,AIML, CSD)</small>	<b>Operating Systems (R2031422)</b> <small>(Common to CSE(AIML), CSE(AI),CSE(DS), CSE(AIDS),AIDS, AIML,CSD)</small>	<b>Machine Learning (R2031423)</b> <small>(Common to CSE(AIML),CSE(AI),C SE(DS),CSE(AIDS),AI DS,AIML)</small>	Software Engineering R203142A	Optimization in Operations Research R203105E	.....
				Computer Vision R203142B		
				Data Visualization R203142C		
				DevOps R203142D		
				MOOC's/NPTEL R203142E		
<b>CSE (Artificial Intelligence) (43)</b>	<b>Compiler Design (R2031421)</b> <small>(Common to CSE(AIML), CSE(AI),CSE(DS), CSE(AIDS),AIDS, AIML,CSD)</small>	<b>Operating Systems (R2031422)</b> <small>(Common to CSE(AIML), CSE(AI),CSE(DS), CSE(AIDS),AIDS, AIML,CSD)</small>	<b>Machine Learning (R2031423)</b> <small>(Common to CSE(AIML),CSE(AI),C SE(DS),CSE(AIDS),AI DS,AIML)</small>	<b>Professional Elective (PE) :-</b>	<b>Open Elective (OE I) :-</b>	.....
				Software Engineering R203142A	Optimization in Operations Research R203105E	
				Computer Vision R203142B		
				Data Visualization R203142C		
				DevOps R203142D		
<b>CSE (Data Science) (44)</b>	<b>Compiler Design (R2031421)</b> <small>(Common to CSE(AIML), CSE(AI),CSE(DS), CSE(AIDS),AIDS, AIML,CSD)</small>	<b>Operating Systems (R2031422)</b> <small>(Common to CSE(AIML), CSE(AI),CSE(DS), CSE(AIDS),AIDS, AIML,CSD)</small>	<b>Machine Learning (R2031423)</b> <small>(Common to CSE(AIML),CSE(AI),C SE(DS),CSE(AIDS),AI DS,AIML)</small>	<b>Professional Elective (PE) :-</b>	<b>Open Elective (OE I) :-</b>	.....
				Software Engineering R203142A	Optimization in Operations Research R203105E	
				DevOps R203142D		
				Object Oriented Analysis and Design R203144A		
				Internet of Things R203144B		
<b>CSE (Artificial Intelligence and Data Science) (45)</b>	<b>Compiler Design (R2031421)</b> <small>(Common to CSE(AIML), CSE(AI),CSE(DS),CS E(AIDS),AIDS,AIML, CSD)</small>	<b>Operating Systems (R2031422)</b> <small>(Common to CSE(AIML), CSE(AI),CSE(DS), CSE(AIDS),AIDS, AIML,CSD)</small>	<b>Machine Learning (R2031423)</b> <small>(Common to CSE(AIML),CSE(AI),C SE(DS),CSE(AIDS),AI DS,AIML)</small>	<b>Professional Elective (PE) :-</b>	<b>Open Elective (OE I) :-</b>	.....
				Software Engineering R203142A	Optimization in Operations Research R203105E	
				Object Oriented Analysis and Design R203144A		
				Internet of Things R203144B		
				DevOps R203142D		



# JAWAHARLAL NEHRU TECHNOLOGICAL UNIVERSITY KAKINADA

UNIVERSITY EXAMINATION CENTER, KAKINADA

## III B.TECH I SEMESTER (R20 REGULATION) I MID & ONLINE QUIZ EXAMINATIONS, SEPTEMBER - 2023

### TIME TABLE

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BRANCH	DATE & DAY					
	19.09.2023 (Tuesday)	20.09.2023 (Wednesday)	21.09.2023 (Thursday)	22.09.2023 (Friday)	23.09.2023 (Saturday)	25.09.2023 (Monday)
<b>CSE (Cyber Security) (46)</b> <small>(Common to CSE(CS),IOTCSIBCT,CSE(IOT),CS,C SBS)</small>	<b>Software Engineering (R2031462)</b> <small>(Common to CSE(CS),CS)</small>	<b>Design and Analysis of Algorithms (R2031463)</b> <small>(Common to CSE(CS),IOTCSOBC T,CSE(IOT),CS)</small>	<b>Professional Elective (PE) :-</b>	<b>Open Elective (OE I) :-</b>	.....	
			Computer Graphics <b>R203146A</b>	Web Technologies <b>R203146F</b>		
			Artificial Intelligence <b>R203146B</b>	Data Structures <b>R203146G</b>		
			Compiler Design <b>R203146C</b>	Computer Networks <b>R203146H</b>		
			Advanced Data Structures <b>R203146D</b>	Data Base Management Systems <b>R203146I</b>		
			Principles of Programming Languages <b>R203146E</b>	Problem Solving using Python <b>R203146J</b>		
<b>CSE (Internet of things and Cyber security including Block chain Technology) (47)</b> <small>(Common to CSE(CS),IOTCSIBCT,CSE(IOT),CS,C SBS)</small>	<b>IoT Architecture and its Protocols (R2031471)</b> <small>(Common to IOTCSIBCT,CSE(IOT))</small>	<b>Design and Analysis of Algorithms (R2031463)</b> <small>(Common to CSE(CS),IOTCSOBC T,CSE(IOT),CS)</small>	<b>Professional Elective (PE) :-</b>	<b>Open Elective (OE I) :-</b>	.....	
			Data Warehousing & Data Mining <b>R203147A</b>	Web Technologies <b>R203147C</b>		
			Compiler Design <b>R203146C</b>	Data Structures <b>R203147D</b>		
			Software Engineering <b>R203142A</b>	Computer Networks <b>R203147E</b>		
			Micro Processors & Micro Controllers <b>R203147B</b>	Data Base Management Systems <b>R203147F</b>		
			Computer Graphics <b>R203146A</b>	Problem Solving using Python <b>R203147G</b>		
	Open Electives offered by other Departments <b>R203148D</b>					
<b>CSE (Internet of Things) (49)</b> <small>(Common to CSE(CS),IOTCSIBCT,CSE(IOT),CS,CSBS)</small>	<b>IoT Architecture and its Protocols (R2031471)</b> <small>(Common to IOTCSIBCT,CSE(IOT))</small>	<b>Design and Analysis of Algorithms (R2031463)</b> <small>(Common to CSE(CS),IOTCSOBC T,CSE(IOT),CS)</small>	<b>Professional Elective (PE) :-</b>	<b>Open Elective (OE I) :-</b>	.....	
			Compiler Design <b>R203146C</b>	Natural Language Processing <b>R203149B</b>		
			Software Engineering <b>R203142A</b>	Data Structures <b>R203149C</b>		
			Computer Graphics <b>R203146A</b>	Computer Networks <b>R203149D</b>		
			Principles of Programming Languages <b>R203146E</b>	Data Base Management System <b>R203149E</b>		
			Advanced Computer Architecture <b>R203149A</b>	Problem Solving using Python <b>R203149F</b>		
<b>FOOD ENGINEERING (51)</b>	<b>Heat Transfer in Food Processing (R2031511)</b>	<b>Processing of Fruits Vegetables Spices and Plantation Crops (R2031512)</b>	<b>Food Plant Design and Process Economics (R2031513)</b>	Transport Phenomena in Food Engineering <b>R203151A</b>	Food Material Science and Engineering <b>R203151D</b>	
				Statistical Methods in Food Engineering <b>R203151B</b>	Biochemical Engineering <b>R203151E</b>	
				Process Modeling and Simulation <b>R203151C</b>	Food Thermodynamics <b>R203151F</b>	



# JAWAHARLAL NEHRU TECHNOLOGICAL UNIVERSITY KAKINADA

UNIVERSITY EXAMINATION CENTER, KAKINADA

## III B.TECH I SEMESTER (R20 REGULATION) I MID & ONLINE QUIZ EXAMINATIONS, SEPTEMBER - 2023

### TIME TABLE

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BRANCH	DATE & DAY					
	19.09.2023 (Tuesday)	20.09.2023 (Wednesday)	21.09.2023 (Thursday)	22.09.2023 (Friday)	23.09.2023 (Saturday)	25.09.2023 (Monday)
<b>ARTIFICIAL INTELLIGENCE AND DATA SCIENCE (54)</b>	Compiler Design <b>(R2031421)</b> <small>(Common to CSE(AIML), CSE(AI), CSE(DS), CSE(AIDS), AIDS, AIML, CSE(AIDS), AIDS, AIML)</small>	Operating Systems <b>(R2031422)</b> <small>(Common to CSE(AIML), CSE(AI), CSE(DS), CSE(AIDS), AIDS, AIML)</small>	Machine Learning <b>(R2031423)</b> <small>(Common to CSE(AIML), CSE(AI), CSE(DS), CSE(AIDS), AIDS, AIML)</small>	<b>Professional Elective (PE) :-</b>	<b>Open Elective (OE I) :-</b>	.....
				Software Engineering <b>R203142A</b>	Optimization in Operations Research <b>R203105E</b>	
				DevOps <b>R203142D</b>		
				Object Oriented Analysis and Design <b>R203144A</b>		
				Internet of Things <b>R203144B</b>		
<b>PHARMACEUTICAL ENGINEERING (55)</b>	Managerial Economics and Financial Accountancy <b>(R2031551)</b>	Pharmaceutical Engineering-I <b>(R2031552)</b>	Biopharmaceuticals and Pharmacokinetics <b>(R2031553)</b>	<b>Professional Elective (PE) :-</b>	<b>Open Elective (OE I) :-</b>	Biostatistics <b>R2031554</b>
				Quality Control and Assurance <b>R203155A</b>	Non-Conventional Energy Sources <b>R203155D</b>	
				Food Processing Technology <b>R203155B</b>	Introduction to Data Structures <b>R203155E</b>	
				Pharmaceutical Biotechnology <b>R203155C</b>	Design and Analysis of Experiments <b>R203155F</b>	
<b>CYBER SECURITY (59)</b>	Computer Networks <b>(R2031461)</b> <small>(Common to CSE(CS), IOTCSIBCT, CSE(IOT), CS, CSBS)</small>	Software Engineering <b>(R2031462)</b> <small>(Common to CSE(CS), CS)</small>	Design and Analysis of Algorithms <b>(R2031463)</b> <small>(Common to CSE(CS), IOTCSOBC, CSE(IOT), CS)</small>	<b>Professional Elective (PE) :-</b>	<b>Open Elective (OE I) :-</b>	.....
				Computer Graphics <b>R203146A</b>	Web Technologies <b>R203146F</b>	
				Artificial Intelligence <b>R203146B</b>	Data Structures <b>R203146G</b>	
				Compiler Design <b>R203146C</b>	Computer Networks <b>R203146H</b>	
				Advanced Data Structures <b>R203146D</b>	Data Base Management Systems <b>R203146I</b>	
				Principles of Programming Languages <b>R203146E</b>	Problem Solving using Python <b>R203146J</b>	
<b>ARTIFICIAL INTELLIGENCE AND MACHINE LEARNING (61)</b>	Compiler Design <b>(R2031421)</b> <small>(Common to CSE(AIML), CSE(AI), CSE(DS), CSE(AIDS), AIDS, AIML, CSE(AIDS), AIDS, AIML)</small>	Operating Systems <b>(R2031422)</b> <small>(Common to CSE(AIML), CSE(AI), CSE(DS), CSE(AIDS), AIDS, AIML)</small>	Machine Learning <b>(R2031423)</b> <small>(Common to CSE(AIML), CSE(AI), CSE(DS), CSE(AIDS), AIDS, AIML)</small>	<b>Professional Elective (PE) :-</b>	<b>Open Elective (OE I) :-</b>	.....
				Software Engineering <b>R203142A</b>	Optimization in Operations Research <b>R203105E</b>	
				Computer Vision <b>R203142B</b>		
				Data Visualization <b>R203142C</b>		
				DevOps <b>R203142D</b>		
				MOOC's/NPTEL <b>R203142E</b>		



# JAWAHARLAL NEHRU TECHNOLOGICAL UNIVERSITY KAKINADA

UNIVERSITY EXAMINATION CENTER, KAKINADA

## III B.TECH I SEMESTER (R20 REGULATION) I MID & ONLINE QUIZ EXAMINATIONS, SEPTEMBER - 2023

### TIME TABLE

TIME: 02.00 PM TO 05.00 PM

BRANCH	DATE & DAY					
	19.09.2023 (Tuesday)	20.09.2023 (Wednesday)	21.09.2023 (Thursday)	22.09.2023 (Friday)	23.09.2023 (Saturday)	25.09.2023 (Monday)
<b>COMPUTER SCIENCE AND DESIGN (62)</b>	Compiler Design <b>(R2031421)</b> (Common to CSE(AIML), CSE(AI),CSE(DS),CSE(AIDS),AIDS,AIML,CSD)	Operating Systems <b>(R2031422)</b> (Common to CSE(AIML), CSE(AI),CSE(DS), CSE(AIDS),AIDS,AIML,CSD)	Human Computer Interaction <b>(R2031621)</b>	<b>Professional Elective (PE) :-</b>	<b>Open Elective (OE I) :-</b>	.....
				Software Engineering <b>R203142A</b>	Optimization in Operations Research <b>R203105E</b>	
				Object Oriented Analysis and Design <b>R203144A</b>		
				Internet of Things <b>R203144B</b>		
				DevOps <b>R203142D</b>		

NOTE:

- (i) ANY OMISSIONS OR CLASHES IN THIS TIME TABLE MAY PLEASE BE INFORMED TO THE CONTROLLER OF EXAMINATIONS, IMMEDIATELY.
- (ii) EVEN IF GOVERNMENT DECLARES HOLIDAY ON ANY OF THE ABOVE DATES, THE EXAMINATIONS SHALL BE CONDUCTED AS USUAL.
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DATE: 15-09-2023

Controller of Examinations





**JAWAHARLAL NEHRU TECHNOLOGICAL UNIVERSITY KAKINADA**  
UNIVERSITY EXAMINATION CENTER, KAKINADA

**IV B.TECH - I SEMESTER (R20) I MID & ONLINE QUIZ EXAMINATIONS, SEPTEMBER - 2023**

**T I M E T A B L E**

**TIME : 10.00 AM TO 12.00 NOON**

Branch	DATE & DAY							
	19-09-2023 (Tuesday)	20-09-2023 (Wednesday)	21-09-2023 (Thursday)	22-09-2023 (Friday)	23-09-2023 (Saturday)	25-09-2023 (Monday)	26-09-2023 (Tuesday)	27-09-2023 (Wednesday)
<b>Civil Engineering (01)</b>	Universal Human Values-2: Understanding Harmony <b>(R2041011)</b> (Common to CE, EEE, ME, ECE, CSE, IT, AME, MiE, AgriE, CSE(AIML), CSE(AI), CSE(DS), CSE(AIDS), CSE(CS), CSE(IOTCSIBCT), CSE(IOT), FE, AIDS, AIML, CSD)	<b>Professional Elective-III</b> : Advanced Structural Engineering <b>(R204101A)</b> / Bridge Engineering <b>(R204101B)</b> / Structural Dynamics <b>(R204101C)</b> / Urban Transportation Planning <b>(R204101D)</b>	<b>Professional Elective-IV</b> : Ground Improvement Techniques <b>(R204101E)</b> / Geo-Spatial Technologies <b>(R204101F)</b> / Disaster Management & Mitigation <b>(R204101G)</b> / Soil dynamics & Machine Foundations <b>(R204101H)</b>	<b>Professional Elective-V</b> : Design & Drawing of Irrigation Structures <b>(R204101I)</b> / Earth & Rock fill Dams <b>(R204101J)</b> / Urban Hydrology <b>(R204101K)</b> / SWAYAM / NPTEL /MOOCS COURSES (12 weeks duration) <b>(R204101L)</b>	<b>Open Elective-III</b> : Strength of Materials <b>(R204101M)</b> / Fluid Mechanics <b>(R204101N)</b> / Surveying and Geomatics <b>(R204101O)</b> / Highway Engineering <b>(R204101P)</b> / Safety Engineering <b>(R204101Q)</b> / Environmental Management <b>(R204101R)</b> / Urban Planning <b>(R204101S)</b>	<b>Open Elective-IV</b> : Elements of Civil Engineering <b>(R204101T)</b> / Environmental Engineering <b>(R204101U)</b> / Disaster Management <b>(R204101V)</b> / Water Resource Engineering <b>(R204101W)</b> / Hydraulics and Hydraulic Machinery <b>(R204101X)</b> / Green Technologies <b>(R204101Y)</b> / Remote Sensing and GIS <b>(R204101Z)</b>	.....	.....



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**T I M E T A B L E**

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<b>Electrical &amp; Electronics Engineering (02)</b>	Universal Human Values-2: Understanding Harmony <b>(R2041011)</b> (Common to CE, EEE, ME, ECE, CSE, IT, AME, MiE, AgriE, CSE(AIML), CSE(AI), CSE(DS), CSE(AIDS), CSE(CS), CSE(IOTCSIBCT), CSE(IOT), FE, AIDS, AIML, CSD)	<b>Professional Elective-III</b> : Digital Signal Processing <b>(R204102A)/</b> Renewable and Distributed Energy Technologies <b>(R204102B)/</b> Flexible Alternating Current Transmission Systems <b>(R204102C)/</b> Power Systems Deregulation <b>(R204102D)/</b> Data Base Management Systems <b>(R204102E)</b>	<b>Professional Elective-IV</b> : Hybrid Electric Vehicles <b>(R204102F)/</b> High Voltage Engineering <b>(R204102G)/</b> Programmable Logic Controllers and Applications <b>(R204102H)</b>	<b>Professional Elective-V</b> : Power System Operation and Control <b>(R204102I)/</b> Switched Mode Power Conversion <b>(R204102J)/</b> AI Applications to Electrical Engineering <b>(R204102K)</b>	<b>Open Elective-III</b> : Concepts of Microprocessors and Microcontrollers <b>(R204102L)/</b> Fundamentals of Electric Vehicles <b>(R204102M)/</b> Concepts of Internet of Things <b>(R204102N)</b>	<b>Open Elective-IV</b> : Concepts of Power System Engineering of Smart Grid Technologies <b>(R204102O)/</b> Concepts <b>(R204102P)</b>	Data Science <b>(R204105R)</b> (Common to EEE PE-V & CSE, IT, CSE(AIML), CSE(AI), CSE(DS), CSE(AIDS), AIDS, AIML, CSD OE-3)	Deep Learning Techniques <b>(R204105E)</b> (Common to EEE, CSE, IT, PE-IV & CSE, IT, CSE(AIML), CSE(AI), CSE(DS), CSE(AIDS), AIDS, AIML, CSD OE-4)/ MEAN Stack Technologies <b>(R204105V)</b> (Common to EEE PE-V & CSE, IT, CSE(AIML), CSE(AI), CSE(DS), CSE(AIDS), AIDS, AIML, CSD OE-4) Cloud Computing with AWS <b>(R204105W)</b> (Common to EEE PE-IV & CSE, IT, CSE(AIML), CSE(AI), CSE(DS), CSE(AIDS), AIDS, AIML, CSD OE-4)



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<b>Mechanical Engineering (03)</b>	Universal Human Values-2: Understanding Harmony <b>(R2041011)</b> (Common to CE, EEE, ME, ECE, CSE, IT, AME, MiE, AgriE, CSE(AIML), CSE(AI), CSE(DS), CSE(AIDS), CSE(CS), CSE(IOTCSIBCT), CSE(IOT), FE, AIDS, AIML, CSD)	<b>Professional Elective-III : Mechanical Vibrations (R204103A)/ Operations Research (R204103B)/ Unconventional Machining Processes (R204103C)/ Computational Fluid Dynamics (R204103D)/ Gas Dynamics and Jet Propulsion (R204103E)/ MOOCs (NPTEL/Swayam) Course (12 Week duration) (R204103F)</b>	<b>Professional Elective-IV :</b> Automation in Manufacturing <b>(R204103G)/ Power Plant Engineering (R204103H)/ Big Data Analytics (R204103I)/ Production Planning and Control (R204103J)/ Condition Monitoring (R204103K)/ MOOCs (NPTEL/Swayam) Course (12 Week duration) (R204103L)</b>	<b>Professional Elective-V :</b> Advanced Manufacturing Processes <b>(R204103M)/ Refrigeration &amp; Air-Conditioning (R204103O)/ Non Destructive Evaluation (R204103Q)/ MOOCs (NPTEL/Swayam) Course (12 Week duration) (R204103R)</b>	<b>Open Elective-III :</b> Finite Element Methods <b>(R204103S)/ Introduction to Artificial Intelligence &amp; Machine Learning (R204103T)</b>	<b>Open Elective-IV :</b> Optimization Techniques <b>(R204103U)/ Smart Manufacturing (R204103V)/ Safety Engineering (R204103W)/ Operations Management (R204103X)</b>	Mechatronics <b>(R204103N)</b> (Common to PE-V & OE-3) / Additive Manufacturing <b>(R204103P)</b> (Common to PE-V & OE-3)	.....



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<b>Electronics &amp; Communication Engineering (04)</b>	Universal Human Values-2: Understanding Harmony (R2041011) (Common to CE, EEE, ME, ECE, CSE, IT, AME, MiE, AgriE, CSE(AIML), CSE(AI), CSE(DS), CSE(AIDS), CSE(CS), CSE(IOTCSIBCT), CSE(IOT), FE, AIDS, AIML, CSD)	<b>Professional Elective-III</b> : Optical Communication (R204104A)/ Digital Image Processing (R204104B)/ Low Power VLSI Design (R204104C)	<b>Professional Elective-IV</b> : Satellite Communications (R204104D)/ Soft Computing Techniques (R204104E)/ Digital IC Design using CMOS (R204104F)	<b>Professional Elective-V</b> : Radar engineering (R204104G)/ Pattern recognition & Machine Learning (R204104H)/ Internet of Things (R204104I)	<b>Open Elective-III</b> : Basics of Signals and Systems (R204104J)/ Electronic Measurements and Instrumentation (R204104K)/ Principles of Signal Processing (R204104L)/ Industrial Electronics (R204104M)/ Consumer Electronics (R204104N)/ Fundamentals of Microprocessors and Microcontrollers (R204104O)/ Transducers and Sensors (R204104P)/ IOT and Applications (R204104Q)	<b>Open Elective-IV</b> : Soft Computing Techniques (R204104R)/ IC Applications (R204104S)/ Principles of Communications (R204104T)/ Basic Electronics (R204104U)/ Data Communications (R204104V)/ Digital Logic design (R204104W)/ Remote Sensing and GIS (R204104X)/ Bio Medical Instrumentation (R204104Y)	.....	.....



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<b>Computer Science &amp; Engineering (05)</b>	Universal Human Values-2: Understanding Harmony (R2041011) (Common to CE, EEE, ME, ECE, CSE, IT, AME, MiE, AgriE, CSE(AIML), CSE(AI), CSE(DS), CSE(AIDS), CSE(CS), CSE(IOTCSIBCT), CSE(IOT), FE, AIDS, AIML, CSD)	<b>Professional Elective-III</b> : Cloud Computing (R204105A) (Common to CSE, IT)/ Neural Networks and Soft Computing (R204105B) / Ad-hoc and Sensor Networks (R204105C) / Cyber Security & Forensics (R204105D) (Common to CSE, IT)	<b>Professional Elective-IV</b> : Computer Vision (R204105G) (Common to CSE, AIDS, CSD)/ MOOCS-NPTEL/SWAYAM (R204105H)	<b>Professional Elective-V</b> : Wireless Network Security (R204105J)/ Ethical Hacking (R204105K) (Common to CSE, IT)/ MOOCS-NPTEL/SWAYAM (R204105L) / Block Chain Technologies (R204105I) (Common to CSE, IT)	<b>Open Elective-III</b> : API and Microservices (Job Oriented Course) (R204105M)/ AI Tools & Techniques (R204105N)/ Image Processing (R204105O)/ Information Security (R204105P)/ Mobile Application Development (R204105Q)/ Cyber Security (R204105S)/ Introduction to Internet of Things (R204105T) (Common to OE-III as CSE, IT, CSE(AIML), CSE(AI), CSE(DS), CSE(AIDS), AIDS, AIML, CSD)	<b>Open Elective-IV</b> : Secure Coding Techniques (Job Oriented Course) (R204105U)/ Block Chain Technologies (R204105X)/ Introduction to Machine Learning (R204105Z)/ Machine Learning with Python (R2041051) (Common to OE-IV as CSE, IT, CSE(AIML), CSE(AI), CSE(DS), CSE(AIDS), AIDS, AIML, CSD)	Social Network And Semantic Web (Job Oriented Course) (R204105F) (Common to CSE, PE-IV & CSE(IOTCSIBCT) OE-3) / Data Science (R204105R) (Common to EEE PE-V & CSE, IT, CSE(AIML), CSE(AI), CSE(DS), AIDS, AIML, CSD OE-3)	Deep Learning Techniques (R204105E) (Common to EEE, CSE, IT, PE-IV & CSE, IT, CSE(AIML), CSE(AI), CSE(DS), CSE(AIDS), AIDS, AIML, CSD OE-4)/ MEAN Stack Technologies (R204105V) / Cloud Computing with AWS (R204105W) (Common to EEE PE-IV & CSE, IT, CSE(AIML), CSE(AI), CSE(DS), CSE(AIDS), AIDS, AIML, CSD OE-4)/ Cryptography and Network Security (R204105Y) (Common to CSE(AIML), CSE(AI), AIML, CSD PE-III & CSE, IT, CSE(AIML), CSE(AI), CSE(DS), CSE(AIDS), AIDS, AIML, CSD OE-4)



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<b>Information Technology (12)</b>	Universal Human Values-2: Understanding Harmony <b>(R2041011)</b> <b>(Common to CE, EEE, ME, ECE, CSE, IT, AME, MiE, AgriE, CSE(AIML), CSE(AI), CSE(DS), CSE(AIDS), CSE(CS), CSE(IOTCSIBCT), CSE(IOT), FE, AIDS, AIML, CSD)</b>	<b>Professional Elective-III : Cloud Computing (R204105A)</b> <b>(Common to CSE, IT) / Cyber Security &amp; Forensics (R204105D)</b> <b>(Common to CSE, IT)/ Artificial Neural Networks (R204112A)/ Internet of Things (IoT) (R204112B)</b>	<b>Professional Elective-IV : Advanced Databases (R204112D)/ MOOCS-NPTEL/SWAYAM (R204112E)/ Social Networks Analysis (R204112C)</b>	<b>Professional Elective-V : M-Commerce (R204112F)/ Ethical Hacking (R204105K)</b> <b>(Common to CSE, IT)/ MOOCS-NPTEL/SWAYAM (R204112G) / Block Chain Technologies (R204105I)</b> <b>(Common to CSE, IT)</b>	<b>Open Elective-III : AI Tools &amp; Techniques (R204105N)/ Image Processing (R204105O)/ Information Security (R204105P)/ Mobile Application Development (R204105Q)/ Cyber Security (R204105S)/ Introduction to Internet of Things (R204105T)</b> <b>(Common to OE-III as CSE, IT, CSE(AIML), CSE(AI), CSE(DS), CSE(AIDS), AIDS, AIML, CSD)</b>	<b>Open Elective-IV : Block Chain Technologies (R204105X)/ Introduction to Machine Learning (R204105Z)/ Machine Learning with Python (R2041051)</b> <b>(Common to OE-IV as CSE, IT, CSE(AIML), CSE(AI), CSE(DS), CSE(AIDS), AIDS, AIML, CSD)</b>	Data Science <b>(R204105R)</b> <b>(Common to EEE PE-V &amp; CSE, IT, CSE(AIML), CSE(AI), CSE(DS), CSE(AIDS), AIDS, AIML, CSD OE-3)</b>	Deep Learning Techniques <b>(R204105E)</b> <b>(Common to EEE, CSE, IT, PE-IV &amp; CSE, IT, CSE(AIML), CSE(AI), CSE(DS), CSE(AIDS), AIDS, AIML, CSD OE-4)/ MEAN Stack Technologies (R204105V) / Cloud Computing with AWS (R204105W)</b> <b>(Common to EEE PE-IV &amp; CSE, IT, CSE(AIML), CSE(AI), CSE(DS), CSE(AIDS), AIDS, AIML, CSD OE-4)/ Cryptography and Network Security (R204105Y)</b> <b>(Common to CSE(AIML), CSE(AI), AIML, CSD PE-III &amp; CSE, IT, CSE(AIML), CSE(AI), CSE(DS), CSE(AIDS), AIDS, AIML, CSD OE-4)</b>



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<b>Automobile Engineering (24)</b>	Universal Human Values-2: Understanding Harmony (R2041011) (Common to CE, EEE, ME, ECE, CSE, IT, AME, MiE, AgriE, CSE(AIML), CSE(AI), CSE(DS), CSE(AIDS), CSE(CS), CSE(IOTCSIBCT), CSE(IOT), FE, AIDS, AIML, CSD)	<b>Professional Elective-III</b> : Automobile HVAC (R204124B)/ Special Purpose Vehicles (R204124C)/ Vehicle Infotonics (R204124E)/ MOOC's/NPTEL (R204124F)	<b>Professional Elective-IV</b> : Automobile Certification and Homologation (R204124G)/ Total Quality Management (R204124H)/ Electric Vehicles and Hybrid Technology (R204124I)/ Facilities Planning and Material Handling (R204124J)/ Rapid Prototyping (R204124K)/ MOOC's/NPTEL (R204124L)	<b>Professional Elective-V</b> : Automobile Comfort Systems And Ergonomics (R204124M)/ Lean Manufacturing (R204124N)/ Vehicle Design Data Characteristics (R204124O)/ Reliability Engineering (R204124P)/ Smart, Autonomous and Connected Vehicles (R204124Q)/ MOOC's/NPTEL (R204124R)	<b>Open Elective-III</b> : Automobile Power train (R204124S)/ IC Engines (R204124T)	<b>Open Elective-IV</b> : Automobile Materials and Manufacturing Techniques (R204124U)/ Automobile Electrical and Electronics (R204124V)	Automobile Safety (R204124A) (Common to PE-III & OE-3)	Engine Management Systems (R204124D) (Common to PE-III & OE-4)



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<b>Mining Engineering (26)</b>	Universal Human Values-2: Understanding Harmony (R2041011) (Common to CE, EEE, ME, ECE, CSE, IT, AME, MiE, AgriE, CSE(AIML), CSE(AI), CSE(DS), CSE(AIDS), CSE(CS), CSE(IOTCSIBCT), CSE(IOT), FE, AIDS, AIML, CSD)	<b>Professional Elective-III</b> : Operations Research (R204126A)/ Dimensional Stone Mining (R204126B)/ Advanced Mining Techniques (R204126C)/ Planning of Underground Metal mining techniques (R204126D)	<b>Professional Elective-IV</b> : Mine closure and Reclamation (R204126E)/ Surface Mine Environment (R204126F) / Mineral Economics, Business and Trade (R204126H)	<b>Professional Elective-V</b> : Subsidence Engineering (R204126I)/ Rock Slope Engineering (R204126J)/ Advances in Rock Fragmentation (R204126K)/ Tunneling and Underground Space Technology (R204126L)	<b>Open Elective-III</b> : Mine Waste Management (R204126M)/ Mine Reclamation (R204126N)/ Environmental Impact of Mining (R204126O)	<b>Open Elective-IV</b> : Principles of Mineral Engineering (R204126P)/ Mine Instrumentation (R204126Q)/ Mine Safety & Ergonomics (R204126R)/ Numerical Methods in Mining Engineering (R204126S)	Sustainable Development for Mining (R204126G) (Common to PE-IV & OE-3)	.....
<b>Agricultural Engineering (35)</b>	Universal Human Values-2: Understanding Harmony (R2041011) (Common to CE, EEE, ME, ECE, CSE, IT, AME, MiE, AgriE, CSE(AIML), CSE(AI), CSE(DS), CSE(AIDS), CSE(CS), CSE(IOTCSIBCT), CSE(IOT), FE, AIDS, AIML, CSD)	<b>Professional Elective-III</b> : Irrigation and Drainage Engineering (R204135A)/ Production Technology of Agricultural Machinery (R204135B)/ Food Plant Design and Management (R204135C)	<b>Professional Elective-IV</b> : Design of Soil and Water Conservation and Farm Systems (R204135D)/ Food Process Equipment Design (R204135E)/ Design of Agricultural Machinery (R204135F)	<b>Professional Elective-V</b> : Micro Irrigation Engineering (R204135G)/ Mechatronics in Agricultural Engineering (R204135H)/ Dairy and Food Engineering (R204135I)	<b>Open Elective-III</b> : Principles of Soil Science and Agronomy (R204135J)/ Farm Power and Tractor Systems (R204135K)/ Soil and Water Conservation Engineering (R204135L)/ Ground Water Hydrology, Wells and Pumps (R204135M)	<b>Open Elective-IV</b> : Surface Water Hydrology (R204135N)/ Post Harvest Engineering of Cereals, Pulses and Oilseeds (R204135O)/ Agricultural Process Engineering (R204135P)	.....	.....





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<b>CSE (Artificial Intelligence and Machine Learning) (42)</b>	Universal Human Values-2: Understanding Harmony (R2041011) (Common to CE, EEE, ME, ECE, CSE, IT, AME, MiE, AgriE, CSE(AIML), CSE(AI), CSE(DS), CSE(AIDS), CSE(CS), CSE(IOTCSIBCT), CSE(IOT), FE, AIDS, AIML, CSD)	<b>Professional Elective-III</b> : Reinforcement Learning (R204142A)/ Soft Computing (R204142B)/ Speech Processing (R204142C)/ Block Chain Technologies (R204142P) (Common to CSE(AIML), CSE(AI), CSE(DS), CSE(AIDS), AIDS, AIML, CSD)	<b>Professional Elective-IV</b> : Robotic Process Automation (R204142D)/ NOSQL Databases (R204142F)/ Video Analytics (R204142G)/ Cloud Computing (R204142O) (Common to CSE(AIML), CSE(AI), CSE(DS), AIDS, AIML, CSD)	<b>Professional Elective-V</b> : Recommender Systems (R204142H)/ AI Chatbots (R204142I)/ Object Oriented Analysis and Design (R204142J)/ Semantic Web (R204142K) / Social Networks Analysis (R204142Q) (Common to CSE(AIML), CSE(AI), CSE(DS), CSE(AIDS), AIDS, AIML, CSD)	<b>Open Elective-III</b> : API and Microservices (Job Oriented Course) (R204105M)/ AI Tools & Techniques (R204105N)/ Image Processing (R204105O)/ Information Security (R204105P)/ Mobile Application Development (R204105Q)/ Cyber Security (R204105S)/ Introduction to Internet of Things (R204105T) (Common to OE-III as CSE, IT, CSE(AIML), CSE(AI), CSE(DS), CSE(AIDS), AIDS, AIML, CSD)	<b>Open Elective-IV</b> : Secure Coding Techniques (Job Oriented Course) (R204105U)/ Block Chain Technologies (R204105X)/ Introduction to Machine Learning (R204105Z)/ Machine Learning with Python (R2041051) (Common to OE-IV as CSE, IT, CSE(AIML), CSE(AI), CSE(DS), CSE(AIDS), AIDS, AIML, CSD)	Data Science (R204105R) (Common to EEE PE-V & CSE, IT, CSE(AIML), CSE(AI), CSE(DS), CSE(AIDS), AIDS, AIML, CSD OE-3)/ Big Data Analytics (R204142E) (Common to CSE(AIML), CSE(AI), AIML, PE-IV & CSE(CS), CS PE-V & OE-3)	Deep Learning Techniques (R204105E) (Common to EEE, CSE, IT, PE-IV & CSE, IT, CSE(AIML), CSE(AI), CSE(DS), CSE(AIDS), AIDS, AIML, CSD OE-4)/ MEAN Stack Technologies (R204105V) / Cloud Computing with AWS (R204105W) (Common to EEE PE-IV & CSE, IT, CSE(AIML), CSE(AI), CSE(DS), CSE(AIDS), AIDS, AIML, CSD OE-4)/ Cryptography and Network Security (R204105Y) (Common to CSE(AIML), CSE(AI), AIML, CSD PE-III & CSE, IT, CSE(AIML), CSE(AI), CSE(DS), CSE(AIDS), AIDS, AIML, CSD OE-4)



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<b>CSE (Artificial Intelligence) (43)</b>	Universal Human Values-2: Understanding Harmony <b>(R2041011)</b> (Common to CE, EEE, ME, ECE, CSE, IT, AME, MiE, AgriE, CSE(AIML), CSE(AI), CSE(DS), CSE(AIDS), CSE(CS), CSE(IOTCSIBCT), CSE(IOT), FE, AIDS, AIML, CSD)	<b>Professional Elective-III : Reinforcement Learning (R204142A)/ Soft Computing (R204142B)/ Speech Processing (R204142C)/ Block Chain Technologies (R204142P)</b> (Common to CSE(AIML), CSE(AI), CSE(DS), CSE(AIDS), AIDS, AIML, CSD)	<b>Professional Elective-IV :</b> Robotic Process Automation <b>(R204142D)/</b> NOSQL <b>(R204142F)/</b> Databases <b>(R204142G)/</b> Video Analytics <b>(R204142H)/</b> Cloud Computing <b>(R204142I)</b> (Common to CSE(AIML), CSE(AI), CSE(DS), AIDS, AIML, CSD)	<b>Professional Elective-V :</b> Recommender Systems <b>(R204142H)/</b> AI Chatbots <b>(R204142I)/</b> Object Oriented Analysis and Design <b>(R204142J)/</b> Semantic Web <b>(R204142K) /</b> Social Networks Analysis <b>(R204142Q)</b> (Common to CSE(AIML), CSE(AI), CSE(DS), AIDS, AIML, CSD)	<b>Open Elective-III :</b> API and Microservices (Job Oriented Course) <b>(R204105M)/</b> AI Tools & Techniques <b>(R204105N)/</b> Image Processing <b>(R204105O)/</b> Information Security <b>(R204105P)/</b> Mobile Application Development <b>(R204105Q)/</b> Cyber Security <b>(R204105S)/</b> Introduction to Internet of Things <b>(R204105T)</b> (Common to OE-III as CSE, IT, CSE(AIML), CSE(AI), CSE(DS), CSE(AIDS), AIDS, AIML, CSD)	<b>Open Elective-IV :</b> Secure Coding Techniques (Job Oriented Course) <b>(R204105U)/</b> Block Chain Technologies <b>(R204105X)/</b> Introduction to Machine Learning <b>(R204105Z)/</b> Machine Learning with Python <b>(R2041051)</b> (Common to OE-IV as CSE, IT, CSE(AIML), CSE(AI), CSE(DS), CSE(AIDS), AIDS, AIML, CSD)	Data Science <b>(R204105R)</b> (Common to EEE PE-V & CSE, IT, CSE(AIML), CSE(AI), CSE(DS), CSE(AIDS), AIDS, AIML, CSD OE-3)/ Big Data Analytics <b>(R204142E)</b> (Common to CSE(AIML), CSE(AI), AIML, PE-IV & CSE(CS), CS PE-V & OE-3)	Deep Learning Techniques <b>(R204105E)</b> (Common to EEE, CSE, IT, PE-IV & CSE, IT, CSE(AIML), CSE(AI), CSE(DS), CSE(AIDS), AIDS, AIML, CSD OE-4)/ MEAN Stack Technologies <b>(R204105V) /</b> Cloud Computing with AWS <b>(R204105W)</b> (Common to EEE PE-IV & CSE, IT, CSE(AIML), CSE(AI), CSE(DS), AIDS, AIML, CSD OE-4)/ Cryptography and Network Security <b>(R204105Y)</b> (Common to CSE(AIML), CSE(AI), AIML, CSD PE-III & CSE, IT, CSE(AIML), CSE(AI), CSE(DS), CSE(AIDS), AIDS, AIML, CSD OE-4)



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<b>CSE (Data Science) (44)</b>	Universal Human Values-2: Understanding Harmony <b>(R2041011)</b> <b>(Common to CE, EEE, ME, ECE, CSE, IT, AME, MiE, AgriE, CSE(AIML), CSE(AI), CSE(DS), CSE(AIDS), CSE(CS), CSE(IOTCSIBCT), CSE(IOT), FE, AIDS, AIML, CSD)</b>	<b>Professional Elective-III : Reinforcement Learning (R204142A)/ Nature Inspired Computing Techniques (R204144A)/ Social Media Analytics (R204144B)/ Block Chain Technologies (R204142P) (Common to CSE(AIML), CSE(AI), CSE(DS), CSE(AIDS), AIDS, AIML, CSD)</b>	<b>Professional Elective-IV :</b> SnowFlake Cloud Analytics <b>(R204144C)/</b> Information Retrieval Systems <b>(R204144D)/</b> NOSQL Databases <b>(R204142F) /</b> Cloud Computing <b>(R204142O) (Common to CSE(AIML), CSE(AI), CSE(DS), CSE(AIDS), AIDS, AIML, CSD)</b>	<b>Professional Elective-V :</b> Recommender Systems <b>(R204142H)/</b> AI Chatbots <b>(R204142I)/</b> Data Visualization <b>(R204144E)/</b> Social Networks Analysis <b>(R204142Q) (Common to CSE(AIML), CSE(AI), CSE(DS), CSE(AIDS), AIDS, AIML, CSD)</b>	<b>Open Elective-III :</b> API and Microservices (Job Oriented Course) <b>(R204105M)/</b> AI Tools & Techniques <b>(R204105N)/</b> Image Processing <b>(R204105O)/</b> Information Security <b>(R204105P)/</b> Mobile Application Development <b>(R204105Q)/</b> Cyber Security <b>(R204105S)/</b> Introduction to Internet of Things <b>(R204105T) (Common to OE-III as CSE, IT, CSE(AIML), CSE(AI), CSE(DS), CSE(AIDS), AIDS, AIML, CSD)</b>	<b>Open Elective-IV :</b> Secure Coding Techniques (Job Oriented Course) <b>(R204105U)/</b> Block Chain Technologies <b>(R204105X)/</b> Introduction to Machine Learning <b>(R204105Z)/</b> Machine Learning with Python <b>(R2041051) (Common to OE-IV as CSE, IT, CSE(AIML), CSE(AI), CSE(DS), CSE(AIDS), AIDS, AIML, CSD)</b>	Data Science <b>(R204105R) (Common to EEE PE-V &amp; CSE, IT, CSE(AIML), CSE(AI), CSE(DS), CSE(AIDS), AIDS, AIML, CSD OE-3)</b>	Deep Learning Techniques <b>(R204105E) (Common to EEE, CSE, IT, PE-IV &amp; CSE, IT, CSE(AIML), CSE(AI), CSE(DS), CSE(AIDS), AIDS, AIML, CSD OE-4)/</b> MEAN Stack Technologies <b>(R204105V) /</b> Cloud Computing with AWS <b>(R204105W) (Common to EEE PE-IV &amp; CSE, IT, CSE(AIML), CSE(AI), CSE(DS), CSE(AIDS), AIDS, AIML, CSD OE-4)/</b> Cryptography and Network Security <b>(R204105Y) (Common to CSE(AIML), CSE(AI), AIML, CSD PE-III &amp; CSE, IT, CSE(AIML), CSE(AI), CSE(DS), CSE(AIDS), AIDS, AIML, CSD OE-4)</b>



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<b>CSE (Artificial Intelligence and Data Science) (45)</b>	Universal Human Values-2: Understanding Harmony (R2041011) (Common to CE, EEE, ME, ECE, CSE, IT, AME, MiE, AgriE, CSE(AIML), CSE(AI), CSE(DS), CSE(AIDS), CSE(CS), CSE(IOTCSIBCT), CSE(IOT), FE, AIDS, AIML, CSD)	<b>Professional Elective-III : Reinforcement Learning (R204142A)/ Nature Inspired Computing Techniques (R204144A)/ Social Media Analytics (R204144B)/ Block Chain Technologies (R204142P) (Common to CSE(AIML), CSE(AI), CSE(DS), CSE(AIDS), AIDS, AIML, CSD)</b>	<b>Professional Elective-IV :</b> Computer Vision (R204105G) (Common to CSE, CSE(AIDS), AIDS, CSD)/ Information Retrieval Systems (R204144D)/ NOSQL Databases (R204142F) / Cloud Computing (R204142O) (Common to CSE(AIML), CSE(AI), CSE(DS), CSE(AIDS), AIDS, AIML, CSD)	<b>Professional Elective-V :</b> Recommender Systems (R204142H)/ AI Chatbots (R204142I)/ Data Visualization (R204144E)/ Social Networks Analysis (R204142Q) (Common to CSE(AIML), CSE(AI), CSE(DS), CSE(AIDS), AIDS, AIML, CSD)	<b>Open Elective-III :</b> API and Microservices (Job Oriented Course) (R204105M)/ AI Tools & Techniques (R204105N)/ Image Processing (R204105O)/ Information Security (R204105P)/ Mobile Application Development (R204105Q)/ Cyber Security (R204105S)/ Introduction to Internet of Things (R204105T) (Common to OE-III as CSE, IT, CSE(AIML), CSE(AI), CSE(DS), CSE(AIDS), AIDS, AIML, CSD)	<b>Open Elective-IV :</b> Secure Coding Techniques (Job Oriented Course) (R204105U)/ Block Chain Technologies (R204105X)/ Introduction to Machine Learning (R204105Z)/ Machine Learning with Python (R204105I) (Common to OE-IV as CSE, IT, CSE(AIML), CSE(AI), CSE(DS), CSE(AIDS), AIDS, AIML, CSD)	Data Science (R204105R) (Common to EEE PE-V & CSE, IT, CSE(AIML), CSE(AI), CSE(DS), CSE(AIDS), AIDS, AIML, CSD OE-3)	Deep Learning Techniques (R204105E) (Common to EEE, CSE, IT, PE-IV & CSE, IT, CSE(AIML), CSE(AI), CSE(DS), CSE(AIDS), AIDS, AIML, CSD OE-4)/ MEAN Stack Technologies (R204105V) / Cloud Computing with AWS (R204105W) (Common to EEE PE-IV & CSE, IT, CSE(AIML), CSE(AI), CSE(DS), CSE(AIDS), AIDS, AIML, CSD OE-4)/ Cryptography and Network Security (R204105Y) (Common to CSE(AIML), CSE(AI), AIML, CSD PE-III & CSE, IT, CSE(AIML), CSE(AI), CSE(DS), CSE(AIDS), AIDS, AIML, CSD OE-4)



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CSE (Cyber Security) (46)	Universal Human Values-2: Understanding Harmony <b>(R2041011)</b> <b>(Common to CE, EEE, ME, ECE, CSE, IT, AME, MiE, AgriE, CSE(AIML), CSE(AI), CSE(DS), CSE(AIDS), CSE(CS), CSE(IOTCSIBCT), CSE(IOT), FE, AIDS, AIML, CSD)</b>	<b>Professional Elective-III : Internet Of Things (R204146A)/</b> Information Coding Techniques <b>(R204146D) / Mobile and Wireless Security (R204146E)</b> <b>(Common to CSE(CS), CS)</b>	<b>Professional Elective-IV : Ad-hoc and Sensor Networks (R204146R)</b>	<b>Professional Elective-V : Cyber Laws and Security Policies (R204146J)/</b> Intrusion Detection and Prevention System <b>(R204146K)/ Data Privacy (R204146L)/</b> Ethical Hacking <b>(R204146M)</b>	<b>Open Elective-III :</b> DevOps (Job Oriented Course) <b>(R204146N)/</b> Cryptography and Network Security <b>(R204146O)</b>	<b>Open Elective-IV :</b> Multimedia And Rich Internet Applications  <b>(Job Oriented Course) (R204146P)</b>	Data Science <b>(R204146B)</b> <b>(Common to PE-III &amp; OE-3</b> <b>CSE(CS), CSE(IOTCSIBCT), CSE(IoT) CS)/</b> Cloud Computing <b>(R204146G)</b> <b>(Common to CSE(CS) PE-IV , OE-3 &amp; CSE(IoT) PE-IV)</b>	Distributed Systems <b>(R204146C) (Common to CSE(CS), CS PE-III &amp; OE-4) / Cyber Crime Investigation and Digital Forensics (R204146F) (Common to CSE(CS), CS PE-IV , OE-4 &amp; CSE(IOTCSIBCT) PE-IV) / Mean Stack Technologies (R204146H) (Common to CSE(IoT),CSE(CS), CSE(IOTCSIBCT) PE-IV &amp; CSE(IoT) OE-4) / Malware Analysis &amp; Reverse Engineering (R204146I) (Common to CSE(CS), CSE(IOTCSIBCT) PE-IV &amp; CSE(CS) OE-4) / Machine Learning (R204146Q)</b> <b>(Common to CSE(IOTCSIBCT) PE-V &amp; CSE(CS),CSE(IOTCSIBCT), CSE(IoT) OE-4)</b>



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<b>CSE (Internet of things and Cyber security including Block chain Technology) (47)</b>	Universal Human Values-2: Understanding Harmony (R2041011) (Common to CE, EEE, ME, ECE, CSE, IT, AME, MiE, AgriE, CSE(AIML), CSE(AI), CSE(DS), CSE(AIDS), CSE(CS), CSE(IOTCSIBCT), CSE(IOT), FE, AIDS, AIML, CSD)	<b>Professional Elective-III</b> : Software Testing Methodologies (R204147A)/ NoSQL Databases (R204147B)/ Privacy and Security in IOT Computing (R204147C)/ Cloud Computing (R204147Q)	<b>Professional Elective-IV</b> : Object Oriented Analysis & Design Using UML (R204147D)/ Intrusion Detection Systems (R204147E)	<b>Professional Elective-V</b> : Deep Learning (R204147F)/ Quantum Computing (R204147G)/ Dev Ops (R204147H)	<b>Open Elective-III</b> : Sensors and Actuator Devices for IoT (R204147J)/ Cryptography and Network Security (R204146O)	<b>Open Elective-IV</b> : Multimedia And Rich Internet Applications (Job Oriented Course) (R204146P)/ Distributed Computing (R204147M)	Data Science (R204146B) (Common to PE-III & OE-3 CSE(CS), CSE(IOTCSIBCT), CSE(IoT) /Big Data Analytics for IoT (R204147I) (Common to CSE(IoT) PE-IV & CSE(IoT) OE-3)	Mean Stack Technologies (R204146H) (Common to CSE(IoT),CSE(CS), CSE(IOTCSIBCT) PE-IV & CSE(IoT) OE-4) / Malware Analysis & Reverse Engineering (R204146I) (Common to CSE(CS), CSE(IOTCSIBCT) PE-IV & CSE(CS) OE-4) /Machine Learning (R204146Q) (Common to CSE(IOTCSIBCT) PE-V & CSE(CS),CSE(IOTCSIBCT), CSE(IoT) OE-4)/ Programming and Interfacing with Microcontrollers (R204147K) (Common to CSE(IoT) PE-III & CSE(IOTCSIBCT), CSE(IoT) OE-4) / Block Chain Technologies (R204147L) (Common to CSE(IoT) PE-III & CSE(IOTCSIBCT), CSE(IoT) OE-4) / Cyber



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CSE (Internet of Things) (49)	Universal Human Values-2: Understanding Harmony (R2041011) (Common to CE, EEE, ME, ECE, CSE, IT, AME, MiE, AgriE, CSE(AIML), CSE(AI), CSE(DS), CSE(AIDS), CSE(CS), CSE(IOTCSIBCT), CSE(IOT), FE, AIDS, AIML, CSD)	Professional Elective-III : Mobile Computing (R204149A)/ No SQL Databases (R204147B)/ Privacy and Security in IOT (R204147C)	Professional Elective-IV : Fog Computing (R204149B)	Professional Elective-V : Deep Learning (R204147F)/ Wearable Computing (R204149C)/ Dev Ops (R204147H)/ Software Testing Methodologies (R204149I)	Open Elective-III : Middleware Technologies (Job Oriented Course) (R204149D)/ Sensors and Actuator Devices for IoT (R204147J)/ Embedded System Design (R204149E)	Open Elective-IV : Multimedia And Rich Internet Applications (R204146P)/ Cryptography and Network Security (R204149J)	Data Science (R204146B) (Common to PE-III & OE-3 CSE(CS), CSE(IOTCSIBCT), CSE(IoT) /Big Data Analytics for IoT (R204147I) (Common to CSE(IoT) PE-IV & CSE(IOTCSIBCT), CSE(IoT) OE-3) / Cloud Computing (R204146G) (Common to CSE(CS) PE-IV , OE-3 & CSE(IoT) PE-IV)	Mean Stack Technologies (R204146H) (Common to CSE(IoT),CSE(CS), CSE(IOTCSIBCT) PE-IV & CSE(IoT) OE-4) /Machine Learning (R204146Q) (Common to CSE(IOTCSIBCT) PE-V & CSE(CS),CSE(IOTCSIBCT), CSE(IoT) OE-4)/ Programming and Interfacing with Microcontrollers (R204147K) (Common to CSE(IoT) PE-III & CSE(IOTCSIBCT), CSE(IoT) OE-4) / Block Chain Technologies (R204147L) (Common to CSE(IoT) PE-III & CSE(IOTCSIBCT), CSE(IoT) OE-4)



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<b>FOOD ENGINEERING (51)</b>	Universal Human Values-2: Understanding Harmony <b>(R2041011)</b> (Common to CE, EEE, ME, ECE, CSE, IT, AME, MiE, AgriE, CSE(AIML), CSE(AI), CSE(DS), CSE(AIDS), CSE(CS), CSE(IOTCSIBCT), CSE(IOT), FE, AIDS, AIML, CSD)	<b>Professional Elective-III</b> : Advances in Drying and Dehydration <b>(R204151A)</b> / Process Kinetics in Food Engineering <b>(R204151B)</b> / Non-Thermal Operations in Food Processing <b>(R204151C)</b>	<b>Professional Elective-IV</b> : Food Process Equipment Design <b>(R204151D)</b> / Sensors in Food Processing <b>(R204151E)</b> / New Product Development <b>(R204151F)</b>	<b>Professional Elective-V</b> : Entrepreneurship in Food Industries <b>(R204151G)</b> / Food Supply Chain Management <b>(R204151H)</b> / Food Business Management and Economics <b>(R204151I)</b>	<b>Open Elective-III</b> : Food Sanitation, Management and Hygiene <b>(R204151J)</b> / Energy Conservation and Audit <b>(R204151K)</b> / Food Waste Management <b>(R204151L)</b>	<b>Open Elective-IV</b> : Food Refrigeration and Cold Chain <b>(R204151M)</b> / Food Plant Operations and Maintenance <b>(R204151N)</b> / ICT Applications in Food Processing <b>(R204151O)</b> / SWAYAM / NPTEL /MOOCS COURSES (12 weeks duration) <b>(R204151P)</b>	.....	.....





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<b>ARTIFICIAL INTELLIGENCE AND DATA SCIENCE (54)</b>	Universal Human Values-2: Understanding Harmony (R2041011) <b>(Common to CE, EEE, ME, ECE, CSE, IT, AME, MiE, AgriE, CSE(AIML), CSE(AI), CSE(DS), CSE(AIDS), CSE(CS), CSE(IOTCSIBCT), CSE(IOT), FE, AIDS, AIML, CSD)</b>	<b>Professional Elective-III : Reinforcement Learning (R204142A)/ Nature Inspired Computing Techniques (R204144A)/ Social Media Analytics (R204144B)/ Block Chain Technologies (R204142P) (Common to CSE(AIML), CSE(AI), CSE(DS), CSE(AIDS), AIDS, AIML, CSD)</b>	<b>Professional Elective-IV : Computer Vision (R204105G) (Common to CSE, CSE(AIDS), AIDS, CSD)/ Information Retrieval Systems (R204144D)/ NOSQL Databases (R204142F) / Cloud Computing (R204142O) (Common to CSE(AIML), CSE(AI), CSE(DS), CSE(AIDS), AIDS, AIML, CSD)</b>	<b>Professional Elective-V : Recommender Systems (R204142H)/ AI Chatbots (R204142I)/ Data Visualization (R204144E)/ Social Networks Analysis (R204142Q) (Common to CSE(AIML), CSE(AI), CSE(DS), AIDS, AIML, CSD)</b>	<b>Open Elective-III : API and Microservices (Job Oriented Course) (R204105M)/ AI Tools &amp; Techniques (R204105N)/ Image Processing (R204105O)/ Information Security (R204105P)/ Mobile Application Development (R204105Q)/ Cyber Security (R204105S)/ Introduction to Internet of Things (R204105T) (Common to OE-III as CSE, IT, CSE(AIML), CSE(AI), CSE(DS), CSE(AIDS), AIDS, AIML, CSD)</b>	<b>Open Elective-IV : Secure Coding Techniques (Job Oriented Course) (R204105U)/ Block Chain Technologies (R204105X)/ Introduction to Machine Learning (R204105Z)/ Machine Learning with Python (R2041051) (Common to OE-IV as CSE, IT, CSE(AIML), CSE(AI), CSE(DS), CSE(AIDS), AIDS, AIML, CSD)</b>	Data Science (R204105R) <b>(Common to EEE PE-V &amp; CSE, IT, CSE(AIML), CSE(AI), CSE(DS), CSE(AIDS), AIDS, AIML, CSD OE-3)</b>	Deep Learning Techniques (R204105E) (Common to EEE, CSE, IT, PE-IV & CSE, IT, CSE(AIML), CSE(AI), CSE(DS), CSE(AIDS), AIDS, AIML, CSD OE-4)/ MEAN Stack Technologies (R204105V) / Cloud Computing with AWS (R204105W) (Common to EEE PE-IV & CSE, IT, CSE(AIML), CSE(AI), CSE(DS), CSE(AIDS), AIDS, AIML, CSD OE-4)/ Cryptography and Network Security (R204105Y) (Common to CSE(AIML), CSE(AI), AIML, CSD PE-III & CSE, IT, CSE(AIML), CSE(AI), CSE(DS), CSE(AIDS), AIDS, AIML, CSD OE-4)



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<b>PHARMACEUTICAL ENGINEERING (55)</b>	Industrial Pharmacy (R204155A)	<b>Professional Elective-III :</b> Bio Medical Instrumentation (R204155B)/ Pharmaceutical product development (R204155C)/ Industrial Process Control (R204155D)	<b>Professional Elective-IV :</b> Pharmaceutical Packaging Technology (R204155E)/ Introduction to Biomaterials and Tissue Engineering (R204155F)/ Good Manufacturing Practices	.....	<b>Open Elective-III :</b> Robotics (R204155H)/ Synthesis And Characterization of Nano Materials (R204155I)/ Industrial Psychology and Human Resource Management (R204155J)	<b>Open Elective-IV :</b> Principles of mechanical measurements (R204155K)/ Artificial Intelligence & Machine Learning (R204155L)/ Bioinformatics (R204155M)	.....	.....



**JAWAHARLAL NEHRU TECHNOLOGICAL UNIVERSITY KAKINADA**  
UNIVERSITY EXAMINATION CENTER, KAKINADA

**IV B.TECH - I SEMESTER (R20) I MID & ONLINE QUIZ EXAMINATIONS, SEPTEMBER - 2023**

**T I M E T A B L E**

**TIME : 10.00 AM TO 12.00 NOON**

Branch	DATE & DAY							
	19-09-2023 (Tuesday)	20-09-2023 (Wednesday)	21-09-2023 (Thursday)	22-09-2023 (Friday)	23-09-2023 (Saturday)	25-09-2023 (Monday)	26-09-2023 (Tuesday)	27-09-2023 (Wednesday)
<b>CYBER SECURITY (59)</b>	Universal Human Values-2: Understanding Harmony <b>(R2041011)</b> <b>(Common to CE, EEE, ME, ECE, CSE, IT, AME, MiE, AgriE, CSE(AIML), CSE(AI), CSE(DS), CSE(AIDS), CSE(CS), CSE(IOTCSIBCT), CSE(IOT), FE, AIDS, AIML, CSD)</b>	<b>Professional Elective-III : Internet Of Things (R204146A)/ Information Coding Techniques (R204146D) / Mobile and Wireless Security (R204146E) (Common to CSE(CS), CS)</b>	<b>Professional Elective-IV : Ad-hoc and Sensor Networks (R204146R)</b>	<b>Professional Elective-V : Cyber Laws and Security Policies (R204146J)/ Intrusion Detection and Prevention System (R204146K)/ Data Privacy (R204146L)/ Ethical Hacking (R204146M)</b>	<b>Open Elective-III : DevOps (Job Oriented Course) (R204146N)/ Cryptography and Network Security (R204146O)</b>	<b>Open Elective-IV : Multimedia And Rich Internet Applications (Job Oriented Course) (R204146P)</b>	Data Science <b>(R204146B)</b> <b>(Common to PE-III &amp; OE-3 CSE(CS), CSE(IOTCSIBCT), CSE(IoT) CS)/ Cloud Computing (R204146G) (Common to CSE(CS) PE-IV , OE-3 &amp; CSE(IoT) PE-IV)</b>	Distributed Systems <b>(R204146C) (Common to CSE(CS), CS PE-III &amp; OE-4) / Cyber Crime Investigation and Digital Forensics (R204146F) (Common to CSE(CS), CS PE-IV , OE-4 &amp; CSE(IOTCSIBCT) PE-IV) / Mean Stack Technologies (R204146H) (Common to CSE(IoT),CSE(CS), CSE(IOTCSIBCT) PE-IV &amp; CSE(IoT) OE-4) / Malware Analysis &amp; Reverse Engineering (R204146I) (Common to CSE(CS), CSE(IOTCSIBCT) PE-IV &amp; CSE(CS) OE-4) / Machine Learning (R204146Q) (Common to CSE(IOTCSIBCT) PE-V &amp; CSE(CS),CSE(IOTCSIBCT), CSE(IoT) OE-4)</b>



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**TIME TABLE**

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Branch	DATE & DAY							
	19-09-2023 (Tuesday)	20-09-2023 (Wednesday)	21-09-2023 (Thursday)	22-09-2023 (Friday)	23-09-2023 (Saturday)	25-09-2023 (Monday)	26-09-2023 (Tuesday)	27-09-2023 (Wednesday)
<b>ARTIFICIAL INTELLIGENCE AND MACHINE LEARNING (61)</b>	Universal Human Values-2: Understanding Harmony (R2041011) (Common to CE, EEE, ME, ECE, CSE, IT, AME, MiE, AgriE, CSE(AIML), CSE(AI), CSE(DS), CSE(AIDS), CSE(CS), CSE(IOTCSIBCT), CSE(IOT), FE, AIDS, AIML, CSD)	<b>Professional Elective-III : Reinforcement Learning (R204142A)/</b> Soft Computing (R204142B)/ Speech Processing (R204142C)/ Block Chain Technologies (R204142P) (Common to CSE(AIML), CSE(AI), CSE(DS), CSE(AIDS), AIDS, AIML, CSD)	<b>Professional Elective-IV :</b> Robotic Process Automation (R204142D)/ NOSQL Databases (R204142F)/ Video Analytics (R204142G) / Cloud Computing (R204142O) (Common to CSE(AIML), CSE(AI), CSE(DS), CSE(AIDS), AIDS, AIML, CSD)	<b>Professional Elective-V :</b> Recommender Systems (R204142H)/ AI Chatbots (R204142I)/ Object Oriented Analysis and Design (R204142J)/ Semantic Web (R204142K) / Social Networks Analysis (R204142Q) (Common to CSE(AIML), CSE(AI), CSE(DS), CSE(AIDS), AIDS, AIML, CSD)	<b>Open Elective-III :</b> API and Microservices (Job Oriented Course) (R204105M)/ AI Tools & Techniques (R204105N)/ Image Processing (R204105O)/ Information Security (R204105P)/ Mobile Application Development (R204105Q)/ Cyber Security (R204105S)/ Introduction to Internet of Things (R204105T) (Common to OE-III as CSE, IT, CSE(AIML), CSE(AI), CSE(DS), CSE(AIDS), AIDS, AIML, CSD)	<b>Open Elective-IV :</b> Secure Coding Techniques (Job Oriented Course) (R204105U)/ Block Chain Technologies (R204105X)/ Introduction to Machine Learning (R204105Z)/ Machine Learning with Python (R2041051) (Common to OE-IV as CSE, IT, CSE(AIML), CSE(AI), CSE(DS), CSE(AIDS), AIDS, AIML, CSD)	Data Science (R204105R) (Common to EEE PE-V & CSE, IT, CSE(AIML), CSE(AI), CSE(DS), CSE(AIDS), AIDS, AIML, CSD OE-3)/ Big Data Analytics (R204142E) (Common to CSE(AIML), CSE(AI), AIML, PE-IV & CSE (CS), CS PE-V & OE-3)	Deep Learning Techniques (R204105E) (Common to EEE, CSE, IT, PE-IV & CSE, IT, CSE(AIML), CSE(AI), CSE(DS), CSE(AIDS), AIDS, AIML, CSD OE-4)/ MEAN Stack Technologies (R204105V) / Cloud Computing with AWS (R204105W) (Common to EEE PE-IV & CSE, IT, CSE(AIML), CSE(AI), CSE(DS), CSE(AIDS), AIDS, AIML, CSD OE-4)/ Cryptography and Network Security (R204105Y) (Common to CSE(AIML), CSE(AI), AIML, CSD PE-III & CSE, IT, CSE(AIML), CSE(AI), CSE(DS), CSE(AIDS), AIDS, AIML, CSD OE-4)



**JAWAHARLAL NEHRU TECHNOLOGICAL UNIVERSITY KAKINADA**  
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**IV B.TECH - I SEMESTER (R20) I MID & ONLINE QUIZ EXAMINATIONS, SEPTEMBER - 2023**  
**TIME TABLE**

TIME : 10.00 AM TO 12.00 NOON

Branch	DATE & DAY							
	19-09-2023 (Tuesday)	20-09-2023 (Wednesday)	21-09-2023 (Thursday)	22-09-2023 (Friday)	23-09-2023 (Saturday)	25-09-2023 (Monday)	26-09-2023 (Tuesday)	27-09-2023 (Wednesday)
<b>COMPUTER SCIENCE AND DESIGN (62)</b>	Universal Human Values-2: Understanding Harmony (R2041011) (Common to CE, EEE, ME, ECE, CSE, IT, AME, MiE, AgriE, CSE(AIML), CSE(AI), CSE(DS), CSE(AIDS), CSE(CS), CSE(IOTCSIBCT), CSE(IOT), FE, AIDS, AIML, CSD)	<b>Professional Elective-III : Reinforcement Learning (R204142A)/</b> Nature Inspired Computing Techniques (R204144A)/ Block Chain Technologies (R204142P) (Common to CSE(AIML), CSE(AI), CSE(DS), CSE(AIDS), AIDS, AIML, CSD)	<b>Professional Elective-IV :</b> Robotic Process Automation (R204142D)/ Computer Vision (R204105G) (Common to CSE, CSE(AIDS), AIDS, CSD)/ NOSQL Databases (R204142F) / Cloud Computing (R204142O) (Common to CSE(AIML), CSE(AI), CSE(DS), CSE(AIDS), AIDS, AIML, CSD)	<b>Professional Elective-V :</b> Recommender Systems (R204142H)/ AI Chatbots (R204142I)/ Data Visualization (R204144E)/ Social Networks Analysis (R204142Q) (Common to CSE(AIML), CSE(AI), CSE(DS), CSE(AIDS), AIDS, AIML, CSD)	<b>Open Elective-III :</b> API and Microservices (Job Oriented Course) (R204105M)/ AI Tools & Techniques (R204105N)/ Image Processing (R204105O)/ Information Security (R204105P)/ Mobile Application Development (R204105Q)/ Cyber Security (R204105S)/ Introduction to Internet of Things (R204105T) (Common to OE-III as CSE, IT, CSE(AIML), CSE(AI), CSE(DS), CSE(AIDS), AIDS, AIML, CSD)	<b>Open Elective-IV :</b> Secure Coding Techniques (Job Oriented Course) (R204105U)/ Block Chain Technologies (R204105X)/ Introduction to Machine Learning (R204105Z)/ Machine Learning with Python (R2041051) (Common to OE-IV as CSE, IT, CSE(AIML), CSE(AI), CSE(DS), CSE(AIDS), AIDS, AIML, CSD)	Data Science (R204105R) (Common to EEE PE-V & CSE, IT, CSE(AIML), CSE(AI), CSE(DS), CSE(AIDS), AIDS, AIML, CSD OE-3)	Deep Learning Techniques (R204105E) (Common to EEE, CSE, IT, PE-IV & CSE, IT, CSE(AIML), CSE(AI), CSE(DS), CSE(AIDS), AIDS, AIML, CSD OE-4)/ MEAN Stack Technologies (R204105V) / Cloud Computing with AWS (R204105W) (Common to EEE PE-IV & CSE, IT, CSE(AIML), CSE(AI), CSE(DS), CSE(AIDS), AIDS, AIML, CSD OE-4)/ Cryptography and Network Security (R204105Y) (Common to CSE(AIML), CSE(AI), AIML, CSD PE-III & CSE, IT, CSE(AIML), CSE(AI), CSE(DS), CSE(AIDS), AIDS, AIML, CSD OE-4)

**NOTE:**

- i) ANY OMISSIONS OR CLASHES IN THIS TIME TABLE MAY PLEASE BE INFORMED TO THE CONTROLLER OF EXAMINATIONS, IMMEDIATELY.
- ii) EVEN IF GOVERNMENT DECLARES HOLIDAY ON ANY OF THE ABOVE DATES, THE EXAMINATIONS SHALL BE CONDUCTED AS USUAL.
- iii) THE PRINCIPALS ARE REQUESTED TO INFORM THE UNIVERSITY ANY OTHER SUBSTITUTE SUBJECTS THAT ARE NOT INCLUDED IN THE ABOVE LIST IMMEDIATELY.

DATE: 15-09-2023

*H. Reddy*  
Controller of Examinations



**I B.TECH I SEMESTER (R23)**

**JAWAHARLAL NEHRU TECHNOLOGICAL UNIVERSITY KAKINADA**  
UNIVERSITY EXAMINATION CENTER, KAKINADA

**I B.TECH I SEMESTER (R23 REGULATION) II MID & ONLINE QUIZ EXAMINATIONS, JANUARY-2024**

**TIME TABLE**

**TIME: 10.00 AM TO 12.00 NOON**

<b>DATE &amp; DAY</b>	<b>02-01-2024 (Tuesday)</b>	<b>03-01-2024 (Wednesday)</b>	<b>04-01-2024 (Thursday)</b>	<b>05-01-2024 (Friday)</b>	<b>06-01-2024 (Saturday)</b>
<b>Branch &amp; Subjects</b>	<p style="text-align: center;">Communicative English <b>R231101</b> (Common to EEE, CSE, Chemical, FT, PT, Ph.E)</p> <p style="text-align: center;">Engineering Physics <b>R231108</b> (Common to CE, ME, ECE, IT, AME, Mining, Robotics, Agri E, ECE-Allied, CSE-Allied)</p>	<p style="text-align: center;">Linear Algebra &amp; Calculus <b>R231105</b> (Common to All Branches)</p>	<p style="text-align: center;">Basic Civil &amp; Mechanical Engineering <b>R231106</b> (Common to EEE, CSE, Chemical, FT, PT, Ph.E)</p> <p style="text-align: center;">Basic Electrical &amp; Electronics Engineering <b>R231109</b> (Common to CE, ME, ECE, IT, AME, Mining, Robotics, Agri E, ECE-Allied, CSE-Allied)</p>	<p style="text-align: center;">Introduction to Programming <b>R231107</b> (Common to All Branches)</p>	<p style="text-align: center;">Engineering Chemistry <b>R231102</b> (Com. to Chemical, PT)</p> <p style="text-align: center;">Chemistry <b>R231103</b> (Common to EEE, CSE)</p> <p style="text-align: center;">Fundamental Chemistry <b>R231104</b> (Common to FT, Ph.E)</p> <p style="text-align: center;">Engineering Graphics <b>R231110</b> (Common to CE, ME, ECE, IT, AME, Mining, Robotics, Agri E, ECE-Allied, CSE-Allied)</p>

**NOTE:**

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- ii. EVEN IF GOVERNMENT DECLARES HOLIDAY ON ANY OF THE ABOVE DATES, THE EXAMINATIONS SHALL BE CONDUCTED AS USUAL.
- iii. THE PRINCIPALS ARE REQUESTED TO INFORM THE UNIVERSITY ANY OTHER SUBSTITUTE SUBJECTS THAT ARE NOT INCLUDED IN THE ABOVE TIME TABLE IMMEDIATELY.

Date: 26-12-2023

Controller of Examinations (UG)



II B.TECH I SEMESTER (R20)

# JAWAHARLAL NEHRU TECHNOLOGICAL UNIVERSITY KAKINADA

UNIVERSITY EXAMINATION CENTER, KAKINADA

## II B.TECH I SEMESTER (R20 REGULATION) II MID & ONLINE QUIZ EXAMINATIONS, NOV/DEC - 2023

### TIME TABLE

TIME: 10.00 AM TO 12.00 NOON

BRANCH	DAY & DATE				
	27-11-2023 (Monday)	28-11-2023 (Tuesday)	29-11-2023 (Wednesday)	30-11-2023 (Thursday)	01-12-2023 (Friday)
<b>CIVIL ENGINEERING (01-CE)</b>	Mathematics -III <b>R2021011</b> (Except EEE,FE)	Strength of Materials-I <b>R2021012</b>	Fluid Mechanics <b>R2021013</b>	Surveying and Geometrics <b>R2021014</b>	Highway Engineering <b>R2021015</b>
<b>ELECTRICAL AND ELECTRONICS ENGINEERING (02-EEE)</b>	Mathematics – IV <b>R2021021</b>	Electronic Devices and Circuits <b>R2021022</b>	Electrical Circuit Analysis –II <b>R2021023</b>	DC Machines and Transformers <b>R2021024</b>	Electro Magnetic Fields <b>R2021025</b>
<b>MECHANICAL ENGINEERING (03-ME)</b>	Mathematics -III <b>R2021011</b> (Except EEE,FE)	Mechanics of Solids <b>R2021031</b> (Common to ME,AME)	Production Technology <b>R2021033</b>	Fluid Mechanics & Hydraulic Machines <b>R2021032</b> (Comm to ME,AME)	Kinematics of Machinery <b>R2021034</b>
<b>ELECTRONICS &amp; COMMUNICATION ENGINEERING (04-ECE)</b>	Mathematics -III <b>R2021011</b> (Except EEE,FE)	Electronic Devices and Circuits <b>R2021041</b> (Common to ECE,EIE,ECT)	Switching Theory and Logic Design <b>R2021042</b> (Common to ECE,EIE,ECT)	Signals and Systems <b>R2021043</b> (Common to ECE,EIE,ECT)	Random Variables and Stochastic Processes <b>R2021044</b> (Common to ECE,ECT)
<b>COMPUTER SCIENE &amp; ENGINEERING (05-CSE)</b>	Mathematics -III <b>R2021011</b> (Except EEE,FE)	Mathematical Foundations of Computer Science <b>R2021054</b> (Comm to CSE, CST, CSE (AIML), AI,DS,CSE(AIDS),CSE (CS),IOTCSBT,CSBS,IOT,AIDS,CS,AIML,IOT,CSD)	Object Oriented Programming through C++ <b>R2021051</b> (Common to CSE,IT)	Operating Systems <b>R2021052</b> (Common to CSE,CST, IT,CS,IOTCSBT,IOT,CS)	Software Engineering <b>R2021053</b>
<b>COMPUTER SCIENE &amp; TECHNOLOGY (06)</b>	Mathematics -III <b>R2021011</b> (Except EEE,FE)	Mathematical Foundations of Computer Science <b>R2021054</b> (Comm to CSE,CST,CSE(AIML), AI,DS,CSE(AIDS),CSE(CS),IOTCSBT,CSBS ,IOT,AIDS,CS,AIML,IOT,CSD)	Data Structures <b>R2021061</b> (Common to CST,CSE (CS) CS,OITCSBT,CSBS,IOT,CS,IOT)	Operating Systems <b>R2021052</b> (Common to CSE,CST,IT, CSE(CS),IOTCSBT,IOT)	Java Programming <b>R2021062</b> (Comm to CST,CSE(CS), OITCSBT,IOT,CS,IOT)



II B.TECH I SEMESTER (R20)

# JAWAHARLAL NEHRU TECHNOLOGICAL UNIVERSITY KAKINADA

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## II B.TECH I SEMESTER (R20 REGULATION) II MID & ONLINE QUIZ EXAMINATIONS, NOV/DEC - 2023

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<b>ELECTRONICS AND INSTRUMENTATION ENGINEERING (10-EIE)</b>	Mathematics -III <b>R2021011</b> (Except EEE,FE)	Electronic Devices and Circuits <b>R2021041</b> (Common to ECE,EIE,ECT)	Switching Theory and Logic Design <b>R2021042</b> (Common to ECE,EIE,ECT)	Signals and Systems <b>R2021043</b> (Common to ECE,EIE,ECT)	Electronic Measurements and Instrumentation <b>R2021101</b>
<b>INFORMATION TECHNOLOGY (12-IT)</b>	Mathematics -III <b>R2021011</b> (Except EEE,FE)	Discrete Mathematics and Graph Theory <b>R2021122</b>	Object Oriented Programming through C++ <b>R2021051</b> (Common to CSE, IT)	Operating Systems <b>R2021052</b> (Common to CSE,CST,IT,CS,IOTCSBT,IOT)	Database Management Systems <b>R2021121</b> (Common to IT,CSE(AIML), AL,DS,CSE(AIDS), AIDS,AIML,CSD)
<b>ELECTRONICS &amp; COMMUNICATION TECHNOLOGY (14)</b>	Mathematics -III <b>R2021011</b> (Except EEE,FE)	Electronic Devices and Circuits <b>R2021041</b> (Common to ECE,EIE,ECT)	Switching Theory and Logic Design <b>R2021042</b> (Common to ECE,EIE,ECT)	Signals and Systems <b>R2021043</b> (Common to ECE,EIE,ECT)	Random Variables and Stochastic Process <b>R2021044</b> (Common to ECE,ECT)
<b>AUTO MOBILE ENGINEERING (24-AME)</b>	Mathematics -III <b>R2021011</b> (Except EEE,FE)	Mechanics of Solids <b>R2021031</b> (Common to ME,AME)	Thermodynamics <b>R2021241</b>	Fluid Mechanics & Hydraulic Machines <b>R2021032</b> (Comm to ME,AME)	Components of Automobile Chassis <b>R2021242</b>
<b>MINING ENGINEERING (26-MM)</b>	Mathematics -III <b>R2021011</b> (Except EEE,FE)	Development of Mineral Deposits <b>R2021261</b>	Mine Surveying <b>R2021262</b>	Engineering and Economic Geology <b>R2021263</b>	Mineral Processing Technology <b>R2021264</b>
<b>PETROLEUM ENGINEERING/PETROLEUM TECHNOLOGY (27-PE)</b>	Mathematics -III <b>R2021011</b> (Except EEE,FE)	Petroleum Geology <b>R2021271</b>	Fluid Mechanics for Petroleum Engineers <b>R2021272</b>	Heat Transfer Operations <b>R2021273</b>	Material and Energy Balances <b>R2021274</b>





# JAWAHARLAL NEHRU TECHNOLOGICAL UNIVERSITY KAKINADA

UNIVERSITY EXAMINATION CENTER, KAKINADA

## II B.TECH I SEMESTER (R20 REGULATION) II MID & ONLINE QUIZ EXAMINATIONS, NOV/DEC - 2023

### TIME TABLE

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<b>AGRICULTURAL ENGINEERING (35-AGE)</b>	Mathematics -III <b>R2021011</b> (Except EEE,FE)	Surveying and Leveling <b>R2021351</b>	Fluid Mechanics and Open Channel Hydraulics <b>R2021352</b>	Properties and Strength of Materials <b>R2021353</b>	Farm Power and Tractor Systems <b>R2021354</b>
<b>CSE (Artificial Intelligence and Machine Learning) (42)</b>	Mathematics -III <b>R2021011</b> (Except EEE,FE)	Mathematical Foundations of Computer Science <b>R2021054</b> (Comm to CSE,CST,CSE(AIML), AI,DS,CSE(AIDS),CSE(CS),IOTCSBT,CSBS ,IOT,AIDS,CS,AIML,IOT,CSD)	Introduction to Artificial Intelligence and Machine Learning <b>R2021421</b> (Common to CSE(AIML), AIML)	Object Oriented Programming with Java <b>R2021422</b> (Comm to CSE(AIML),AI,DS,CSE(AIDS), AIDS,AIML)	Database Management Systems <b>R2021121</b> (Common to IT,CSE(AIML),AI,DS, CSE(AIDS), AIDS,AIML,CSD)
<b>CSE (Artificial Intelligence) (43)</b>	Mathematics -III <b>R2021011</b> (Except EEE,FE)	Mathematical Foundations of Computer Science <b>R2021054</b> (Comm to CSE,CST,CSE(AIML), AI,DS,CSE(AIDS),CSE(CS),IOTCSBT,CSBS ,IOT,AIDS,CS,AIML,IOT,CSD)	Introduction to Artificial Intelligence <b>R2021431</b>	Object Oriented Programming with Java <b>R2021422</b> (Comm to CSE(AIML), AI,DS,CSE(AIDS),AIDS,AIML)	Database Management Systems <b>R2021121</b> (Common to IT,CSE(AIML) AI,DS,CSE(AIDS), AIDS,AIML, CSD)
<b>CSE (Data Science) (44)</b>	Mathematics -III <b>R2021011</b> (Except EEE,FE)	Mathematical Foundations of Computer Science <b>R2021054</b> (Comm to CSE,CST,CSE(AIML), AI,DS,CSE(AIDS),CSE(CS),IOTCSBT,CSBS ,IOT,AIDS,CS,AIML,IOT,CSD)	Fundamentals of Data Science <b>R2021441</b>	Object Oriented Programming with Java <b>R2021422</b> (Comm to CSE(AIML), AI,DS,CSE(AIDS),AIDS,AIML)	Database Management Systems <b>R2021121</b> (Common to IT,CSE(AIML) AI,DS,CSE(AIDS), AIDS,AIML, CSD)
<b>CSE (Artificial Intelligence and Data Science) (45)</b>	Mathematics -III <b>R2021011</b> (Except EEE,FE)	Mathematical Foundations of Computer Science <b>R2021054</b> (Comm to CSE,CST,CSE(AIML), AI,DS,CSE(AIDS),CS,IOTCSBT,CSBS,IOT, AIDS,AIML,IOT,CSD)	Introduction to Artificial Intelligence and Data Science <b>R2021451</b> (Comm to CSE(AIDS),AIDS)	Object Oriented Programming with Java <b>R2021422</b> (Comm to CSE(AIML),AI,DS,CSE(AIDS),AIDS, AIML)	Database Management Systems <b>R2021121</b> (Common to IT,CSE(AIML) AI,DS,CSE(AIDS), AIDS,AIML, CSD)



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**II B.TECH I SEMESTER (R20 REGULATION) II MID & ONLINE QUIZ EXAMINATIONS, NOV/DEC - 2023**

**TIME TABLE**

**TIME: 10.00 AM TO 12.00 NOON**

BRANCH	DAY & DATE				
	27-11-2023 (Monday)	28-11-2023 (Tuesday)	29-11-2023 (Wednesday)	30-11-2023 (Thursday)	01-12-2023 (Friday)
<b>CSE (Cyber Security) (46)</b>	Mathematics -III <b>R2021011</b> (Except EEE,FE)	Mathematical Foundations of Computer Science <b>R2021054</b> (Comm to CSE,CST,CSE(AIML), AIDS,CSE(AIDS),CSE(CS),IOTCSBT,CSBS, IOT,AIDS,CS,AIML,IOT,CSD)	Data Structures <b>R2021061</b> (Common to CST,CSE(CS)CS, OITCSBT,CSBS,IOT,CS,IOT)	Operating Systems <b>R2021052</b> (Common to CSE,CST,IT,CS,IOTCSBT,IOT)	Java Programming <b>R2021062</b> (Comm to CST,CSE(CS),OITCSBT,IOT,CS,IOT)
<b>CSE (Internet of things and Cyber security including Block chain Technology) (47)</b>	Mathematics -III <b>R2021011</b> (Except EEE,FE)	Mathematical Foundations of Computer Science <b>R2021054</b> (Comm to CSE,CST, CSE(AIML),AIDS,CSE(AIDS), CSE(CS),IOTCSBT,CSBS,IOT, AIDS,CS,AIML,IOT,CSD)	Data Structures <b>R2021061</b> (Common to CST,CSE(CS)CS,OITCSBT,CSBS,IO T,CS,IOT)	Operating Systems <b>R2021052</b> (Common to CSE,CST,IT,CS,IOTCSBT,IOT)	Java Programming <b>R2021062</b> (Comm to CST,CSE(CS),OITCSBT,IOT,CS,IOT)
<b>CSE (Computer Science and Business System) (48)</b>	Mathematics -III <b>R2021011</b> (Except EEE,FE)	Mathematical Foundations of Computer Science <b>R2021054</b> (Comm to CSE,CST,CSE(AIML),AIDS, CSE(AIDS),CS,IOTCSBT,CSBS, IOT,AIDS,AIML)	Data Structures <b>R2021061</b> (Common to CST,CSE(CS)CS,OITCSBT,CSBS,IO T,CS,IOT)	Formal Languages & Automata Theory <b>R2021481</b>	Computer Organization & Architecture <b>R2021482</b>
<b>CSE (Internet of Things) (49)</b>	Mathematics -III <b>R2021011</b> (Except EEE,FE)	Mathematical Foundations of Computer Science <b>R2021054</b> (Comm to CSE,CST,CSE(AIML),AIDS, CSE(AIDS),CSE(CS),IOTCSBT,CSBS,IOT,A IDS,CS,AIML,IOT,CSD)	Data Structures <b>R2021061</b> (Common to CST,CSE(CS)CS,OITCSBT,CSBS,IO T,CS,IOT)	Operating Systems <b>R2021052</b> (Common to CSE,CST,IT,CS,IOTCSBT,IOT)	Java Programming <b>R2021062</b> (Comm to CST,CSE(CS),OITCSBT,IOT,CS,IOT)
<b>FOOD ENGINEERING (51)</b>	Probability and Statistics <b>R2021511</b>	Principles of Food Engineering -I <b>R2021512</b>	Mechanical Operations in Food Processing <b>R2021513</b>	Fluid Mechanics in Food Processing <b>R2021514</b>	Food Microbiology <b>R2021515</b>



**JAWAHARLAL NEHRU TECHNOLOGICAL UNIVERSITY KAKINADA**

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**II B.TECH I SEMESTER (R20 REGULATION) II MID & ONLINE QUIZ EXAMINATIONS, NOV/DEC - 2023**

**TIME TABLE**

**TIME: 10.00 AM TO 12.00 NOON**

BRANCH	DAY & DATE				
	27-11-2023 (Monday)	28-11-2023 (Tuesday)	29-11-2023 (Wednesday)	30-11-2023 (Thursday)	01-12-2023 (Friday)
<b>ARTIFICIAL INTELLIGENCE AND DATA SCIENCE (54)</b>	Mathematics -III <b>R2021011</b> (Except EEE,FE)	Mathematical Foundations of Computer Science <b>R2021054</b> (Comm to CSE,CST,CSE(AIML),AIDS, CSE(AIDS),CSE(CS),IOTCSBT,CSBS, IOT,AIDS,CS,AIML,IOT,CSD)	Introduction to Artificial Intelligence and Data Science <b>R2021451</b> (Comm to CSE(AIDS),AIDS)	Object Oriented Programming with Java <b>R2021422</b> (Comm to CSE(AIML),AIDS,CSE(AIDS), AIDS,AIML)	Database Management Systems <b>R2021121</b> (Common to IT,CSE(AIML) AI,DS,CSE(AIDS), AIDS,AIML, CSD)
<b>PHARMACEUTICAL ENGINEERING (55)</b>	Mathematics – III <b>R2021011</b> (Except EEE,FE) (Vector Calculus, Transforms and PDE)	Pharmacology <b>R2021551</b>	Material and Energy Balance Computations <b>R2021552</b>	Fluid Mechanics and Mechanical Unit Operations <b>R2021553</b>	Thermodynamics for pharmaceutical Engineers <b>R2021554</b>
<b>CYBER SECURITY (59)</b>	Mathematics -III <b>R2021011</b> (Except EEE,FE)	Mathematical Foundations of Computer Science <b>R2021054</b> (Comm to CSE,CST,CSE(AIML),AIDS, CSE(AIDS),CSE(CS),IOTCSBT,CSBS, IOT,AIDS,CS,AIML,IOT,CSD)	Data Structures <b>R2021061</b> (Common to CST,CSE(CS)CS,OITCSBT, CSBS,IOT,CS,IOT)	Operating Systems <b>R2021052</b> (Common to CSE,CST,IT,CSE(CS),IOTCSBT,IOT)	Java Programming <b>R2021062</b> (Comm to CST,CSE(CS),OITCSBT,IOT,CS,.,IOT)
<b>INTERNET OF THINGS (60)</b>	Mathematics -III <b>R2021011</b> (Except EEE,FE)	Mathematical Foundations of Computer Science <b>R2021054</b> (Comm to CSE,CST,CSE(AIML),AI,DS, CSE(AIDS),CSE(CS),IOTCSBT,CSBS,IOT,AIDS,CS,AIML, IOT, CSD)	Data Structures <b>R2021061</b> (Common to CST,CSE(CS)CS,OITCSBT,C SBS,IOT,CS,IOT)	Operating Systems <b>R2021052</b> (Common to CSE,CST,IT,CS,IOTCSBT,IO T)	Java Programming <b>R2021062</b> (Comm to CST,CSE(CS),OITCSBT,IOT, CS,IOT)
<b>ARTIFICIAL INTELLIGENCE AND MACHINE LEARNING (61)</b>	Mathematics -III <b>R2021011</b> (Except EEE,FE)	Mathematical Foundations of Computer Science <b>R2021054</b> (Comm to CSE,CST, CSE (AIML),AI,DS,CSE(AIDS),CSE(CS), IOTCSBT,CSBS,IOT,AIDS,CS,AIML,IOT,CS D)	Introduction to Artificial Intelligence and Machine Learning <b>R2021421</b> (Common to CSE(AIML),AIML)	Object Oriented Programming with Java <b>R2021422</b> (Comm to CSE(AIML),AIDS,CSE(AIDS),AIDS, AIML)	Database Management Systems <b>R2021121</b> (Common to IT,CSE(AIML) AI,DS,CSE(AIDS), AIDS,AIML, CSD)



II B.TECH I SEMESTER (R20)

# JAWAHARLAL NEHRU TECHNOLOGICAL UNIVERSITY KAKINADA

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## II B.TECH I SEMESTER (R20 REGULATION) II MID & ONLINE QUIZ EXAMINATIONS, NOV/DEC - 2023

### TIME TABLE

TIME: 10.00 AM TO 12.00 NOON

BRANCH	DAY & DATE				
	27-11-2023 (Monday)	28-11-2023 (Tuesday)	29-11-2023 (Wednesday)	30-11-2023 (Thursday)	01-12-2023 (Friday)
<b>COMPUTER SCIENCE AND DESIGN (62)</b>	Mathematics -III <b>R2021011</b> (Except EEE,FE)	Mathematical Foundations of Computer Science <b>R2021054</b> (Comm to CSE,CST, CSE (AIML),AIDS,CSE(AIDS),CSE(CS),OT CSBT,CSBS,IOT,AIDS,CS,AIML,IOT, CSD)	Computer Graphics <b>R2021621</b>	Multimedia and Application Development <b>R2021622</b>	Database Management Systems <b>R2021121</b> (Common to IT,CSE(AIML) AIDS,CSE(AIDS), AIDS,AIML,CSD)

NOTE:

- (i) ANY OMISSIONS OR CLASHES IN THIS TIME TABLE MAY PLEASE BE INFORMED TO THE CONTROLLER OF EXAMINATIONS, IMMEDIATELY.
- (ii) EVEN IF GOVERNMENT DECLARES HOLIDAY ON ANY OF THE ABOVE DATES, THE EXAMINATIONS SHALL BE CONDUCTED AS USUAL.
- (iii) THE PRINCIPALS ARE REQUESTED TO INFORM THE UNIVERSITY ANY OTHER SUBSTITUTE SUBJECTS THAT ARE NOT INCLUDED IN THE ABOVE LIST IMMEDIATELY.

DATE: 09-11-2023

  
Controller of Examinations (UG)



# JAWAHARLAL NEHRU TECHNOLOGICAL UNIVERSITY KAKINADA

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## III B.TECH I SEMESTER (R20 REGULATION) II MID & ONLINE QUIZ EXAMINATIONS, NOV/DEC - 2023

### TIME TABLE

TIME: 02.00 PM TO 04.00 PM

BRANCH	DATE & DAY					
	27.11.2023 (Monday)	28.11.2023 (Tuesday)	29.11.2023 (Wednesday)	30.11.2023 (Thursday)	01.12.2023 (Friday)	02.12.2023 (Saturday)
CIVIL ENGINEERING (01 CE)	Structural Analysis (R2031011)	Design And Drawing of Reinforced Concrete Structures (R2031012)	Geotechnical Engineering - I (R2031013)	Professional Elective (PE) :-	Open Elective (OE I) :-	.....
				Construction Technology & Management R203101A	Strength of Materials R203101E	
				Remote Sensing and GIS R203101B	Fluid Mechanics R203101F	
				Environmental Impact Assessment R203101C	Surveying and Geomatics R203101G	
				Low-Cost Housing R203101D	Highway Engineering R203101H	
					Safety Engineering R203101I	
					Environmental Management R203101J	
	Urban Planning R203101K					
ELECTRICAL AND ELECTRONICS ENGINEERING (02 EEE)	Power Systems- II (R2031021)	Power Electronics (R2031022)	Control Systems (R2031023)	Professional Elective (PE) :-	Open Elective (OE I) :-	.....
				Linear Ic Applications R203102A	Renewable Energy Sources R203102F	
				Utilization Of Electrical Energy R203102B	Concepts Of Optimization Techniques R203102G	
				Computer Architecture And Organization R203102C	Concepts of Control Systems R203102H	
				Optimization Techniques R203102D		
				Object Oriented Programming Through Java R203102E		
				Optimization Techniques R203102D		
Object Oriented Programming Through Java R203102E						
MECHANICAL ENGINEERING (03 ME)	Thermal Engineering-II (R2031031)	Design of Machine Members-I (R2031032)	Machining, Machine Tools & Metrology (R2031033)	Professional Elective (PE) :-	Open Elective (OE I) :-	.....
				Finite Element Methods R203103A	Sustainable Energy Technologies R203103G	
				Industrial Robotics R203103B	Operations Research R203103H	
				Advanced Materials R203103C	Nano Technology R203103I	
				Renewable Energy Sources R203103D	Thermal Management of Electronic systems R203103J	
				Mechanics of Composites R203103E		
MOOCs (NPTEL/Swayam) R203103F						



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<b>ELECTRONICS &amp; COMMUNICATIONS ENGINEERING (04 ECE)</b>	Analog ICs and Applications (R2031041)	Electromagnetic Waves and Transmission Lines (R2031042)	Digital Communications (R2031043)	<b>Professional Elective (PE) :-</b>	<b>Open Elective (OE I) :-</b>	.....
				Antenna And Wave Propagation R203104A	Basics of Signals and Systems R203104D	
				Electronic Measurements & Instrumentation R203104B	Electronic Measurements and Instrum. R203104E	
				Computer Architecture & Organization R203104C	Principles of Signal Processing R203104F	
					Industrial Electronics R203104G	
					Consumer Electronics R203104H	
					Fundamentals of Microprocessors and Microcontrollers R203104I	
					Transducers and Sensors R203104J	
					IOT and Applications R203104K	
					Soft Computing Techniques R203104L	
					IC Applications R203104M	
					Principles of Communications R203104N	
					Basic Electronics R203104O	
					Data Communications R203104P	
	Digital Logic Design R203104Q					
	Remote Sensing and GIS R203104R					
	Bio Medical Instrumentation R203104S					
	Introduction to Microprocessor and Microcontrollers R203114G					
<b>COMPUTER SCIENCE &amp; ENGINEERING (05 CSE)</b>	Computer Networks (R2031051) (Common to CSE,IT)	Design and Analysis of Algorithms (R2031052) (Common to CSE,IT)	Data Warehousing and Data Mining (R2031053)	<b>Professional Elective (PE II) :-</b>	<b>Open Elective (OE I) :-</b>	.....
				Artificial Intelligence R203105A	Optimization in Operations Research R203105E	
				Software Project Management R203105B	Data Structures R203105F	
				Distributed Systems R203105C	Object Oriented Progra. through JAVA R203105G	
				Advanced Unix Programming R193205D	Data Base Management Systems R203105H	
					Computer Graphics R203105I	
					Advanced UNIX Programming R203105J	
					Computer Organization and Arch. R203105K	
	Operating Systems R203105L					
<b>INFORMATION TECHNOLOGY (12 IT)</b>	Computer Networks (R2031051) (Common to CSE,IT)	Design and Analysis of Algorithms (R2031052) (Common to CSE,IT)	Data Mining Techniques (R2031121)	<b>Professional Elective (PE II) :-</b>	<b>Open Elective (OE I) :-</b>	.....
				Artificial Intelligence R203105A	DevOps R203112B	
				Distributed Systems R203105C	Data Structures R203105F	
				Advanced Unix Programming R203105D	Object Oriented Progra. through JAVA R203105G	
				Agile Software Process R203112A	Data Base Management Systems R203105H	
					Computer Graphics R203105I	
					Advanced UNIX Programming R203105J	
	Computer Organization and Arch. R203105K					
	Operating Systems R203105L					



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### T I M E T A B L E

TIME: 02.00 PM TO 04.00 PM

BRANCH	DATE & DAY					
	27.11.2023 (Monday)	28.11.2023 (Tuesday)	29.11.2023 (Wednesday)	30.11.2023 (Thursday)	01.12.2023 (Friday)	02.12.2023 (Saturday)
<b>AUTO MOBILE ENGINEERING</b> (24 AME)	Theory of Machines (R2031241)	Production Technology (R2031242)	Vehicle Dynamics (R2031243)	<b>Professional Elective (PE) :-</b>	<b>Open Elective (OE I) :-</b>	.....
				Alternative Fuels for Engines <b>R203124A</b>	Basic Automobile Engineering <b>R203124G</b>	
				Two and Three Wheelers <b>R203124B</b>	Automobile Maintenance and Safety <b>R203124H</b>	
				Microprocessor and Micro Controllers <b>R203124C</b>	Automobile Emissions and Effects <b>R203124I</b>	
				Heat Transfer <b>R203124D</b>		
				Industrial Hydraulics and Pneumatics <b>R203124E</b>		
				MOOC's/NPTEL <b>R203124F</b>		
<b>MINING ENGINEERING</b> (26 MM)	Mine Hazards and Rescue (R2031261)	Underground Coal Mining (R2031262)	Mine Hoisting and Transportation (R2031263)	<b>Professional Elective (PE) :-</b>	<b>Open Elective (OE I) :-</b>	.....
				Remote Sensing and GIS <b>R203101B</b>	Introduction to Underground Mining <b>R203126D</b>	
				Resource Evaluation and Geo-Statistics - <b>R203126A</b>	Introduction to Surface Mining <b>R203126E</b>	
				Mine Planning and Design <b>R203126B</b>	Tunneling and Underground Space Design <b>R203126F</b>	
				Mine Safety & Ergonomics <b>R203126C</b>	Engineering Survey <b>R203126G</b>	
<b>AGRICULTURAL ENGINEERING</b> (35 AGE)	Farm Machinery and Equipment - I (R2031351)	Surface Water Hydrology (R2031352)	Post Harvest Engineering of Cereals, Pulses and Oilseeds (R2031353)	<b>Professional Elective - I</b>	<b>Open Elective - I</b>	.....
				Seed Processing and Storage Engineering <b>R203135A</b>	Principles of Soil Science and Agronomy <b>R203135D</b>	
				Greenhouse Technology <b>R203135B</b>	Farm Power and Tractor Systems <b>R203135E</b>	
				Tractor Design and Testing <b>R203135C</b>	Soil and Water Conservation Engineering <b>R203135F</b>	
					Ground Water Hydrology, Wells and Pumps <b>R203135G</b>	
					Surface Water Hydrology <b>R203135H</b>	
					Post Harvest Engineering of Cereals Pulses and Oilseeds <b>R203135I</b>	
	Agricultural Process Engineering <b>R203135J</b>					



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## III B.TECH I SEMESTER (R20 REGULATION) II MID & ONLINE QUIZ EXAMINATIONS, NOV/DEC - 2023

### T I M E T A B L E

**TIME: 02.00 PM TO 04.00 PM**

BRANCH	DATE & DAY					
	27.11.2023 (Monday)	28.11.2023 (Tuesday)	29.11.2023 (Wednesday)	30.11.2023 (Thursday)	01.12.2023 (Friday)	02.12.2023 (Saturday)
<b>CSE (Artificial Intelligence and Machine Learning) (42)</b>	<b>Compiler Design (R2031421)</b> (Common to CSE(AIML), CSE(AI),CSE(DS),C E(AIDS),AIDS,AIML, CSD)	<b>Operating Systems (R2031422)</b> (Common to CSE(AIML), CSE(AI),CSE(DS),C SE(AIDS),AIDS,AI ML,CSD)	<b>Machine Learning (R2031423)</b> (Common to CSE(AIML),CSE(AI), CSE(DS),CSE(AIDS), AIDS,AIML)	<u>Professional Elective (PE) :-</u>	<u>Open Elective (OE I) :-</u>	.....
				Software Engineering R203142A	Optimization in Operations Research R203105E	
				Computer Vision R203142B		
				Data Visualization R203142C		
				DevOps R203142D		
				MOOC's/NPTEL R203142E		
<b>CSE (Artificial Intelligence) (43)</b>	<b>Compiler Design (R2031421)</b> (Common to CSE(AIML), CSE(AI),CSE(DS), CSE(AIDS),AIDS,A IML,CSD)	<b>Operating Systems (R2031422)</b> (Common to CSE(AIML), CSE(AI),CSE(DS),C SE(AIDS),AIDS,AI ML,CSD)	<b>Machine Learning (R2031423)</b> (Common to CSE(AIML),CSE(AI), CSE(DS),CSE(AIDS), AIDS,AIML)	<u>Professional Elective (PE) :-</u>	<u>Open Elective (OE I) :-</u>	.....
				Software Engineering R203142A	Optimization in Operations Research R203105E	
				Computer Vision R203142B		
				Data Visualization R203142C		
				DevOps R203142D		
<b>CSE (Data Science) (44)</b>	<b>Compiler Design (R2031421)</b> (Common to CSE(AIML), CSE(AI),CSE(DS), CSE(AIDS),AIDS,A IML,CSD)	<b>Operating Systems (R2031422)</b> (Common to CSE(AIML), CSE(AI),CSE(DS),C SE(AIDS),AIDS,AI ML,CSD)	<b>Machine Learning (R2031423)</b> (Common to CSE(AIML),CSE(AI), CSE(DS),CSE(AIDS), AIDS,AIML)	<u>Professional Elective (PE) :-</u>	<u>Open Elective (OE I) :-</u>	.....
				Software Engineering R203142A	Optimization in Operations Research R203105E	
				DevOps R203142D		
				Object Oriented Analysis and Design R203144A		
				Internet of Things R203144B		
<b>CSE (Artificial Intelligence and Data Science) (45)</b>	<b>Compiler Design (R2031421)</b> (Common to CSE(AIML), CSE(AI),CSE(DS),C E(AIDS),AIDS,AIML, CSD)	<b>Operating Systems (R2031422)</b> (Common to CSE(AIML), CSE(AI),CSE(DS),C SE(AIDS),AIDS,AI ML,CSD)	<b>Machine Learning (R2031423)</b> (Common to CSE(AIML),CSE(AI), CSE(DS),CSE(AIDS), AIDS,AIML)	<u>Professional Elective (PE) :-</u>	<u>Open Elective (OE I) :-</u>	.....
				Software Engineering R203142A	Optimization in Operations Research R203105E	
				Object Oriented Analysis and Design R203144A		
				Internet of Things R203144B		
				DevOps R203142D		





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<b>CSE (Cyber Security) (46)</b> <small>(Common to CSE(CS),IOTCSIBCT,CSE(IOT),CS,CSBS)</small>		<b>Software Engineering (R2031462)</b> <small>(Common to CSE(CS),CS)</small>	<b>Design and Analysis of Algorithms (R2031463)</b> <small>(Common to CSE(CS),IOTCSOBCT,CSE(IOT),CS)</small>	<b>Professional Elective (PE) :-</b>	<b>Open Elective (OE I) :-</b>	.....
				Computer Graphics R203146A	Web Technologies R203146F	
				Artificial Intelligence R203146B	Data Structures R203146G	
				Compiler Design R203146C	Computer Networks R203146H	
				Advanced Data Structures R203146D	Data Base Management Systems R203146I	
Principles of Programming Languages R203146E	Problem Solving using Python R203146J					
<b>CSE (Internet of things and Cyber security including Block chain Technology) (47)</b> <small>(Common to CSE(CS),IOTCSIBCT,CSE(IOT),CS,CSBS)</small>		<b>IoT Architecture and its Protocols (R2031471)</b> <small>(Common to IOTCSIBCT,CSE(IOT))</small>	<b>Design and Analysis of Algorithms (R2031463)</b> <small>(Common to CSE(CS),IOTCSOBCT,CSE(IOT),CS)</small>	<b>Professional Elective (PE) :-</b>	<b>Open Elective (OE I) :-</b>	.....
				Data Warehousing & Data Mining R203147A	Web Technologies R203147C	
				Compiler Design R203146C	Data Structures R203147D	
				Software Engineering R203142A	Computer Networks R203147E	
				Micro Processors & Micro Controllers R203147B	Data Base Management Systems R203147F	
Computer Graphics R203146A	Problem Solving using Python R203147G					
	Open Electives offered by other Departments R203148D					
<b>CSE (Internet of Things) (49)</b> <small>(Common to CSE(CS),IOTCSIBCT,CSE(IOT),CS,CSBS)</small>		<b>IoT Architecture and its Protocols (R2031471)</b> <small>(Common to IOTCSIBCT,CSE(IOT))</small>	<b>Design and Analysis of Algorithms (R2031463)</b> <small>(Common to CSE(CS),IOTCSOBCT,CSE(IOT),CS)</small>	<b>Professional Elective (PE) :-</b>	<b>Open Elective (OE I) :-</b>	.....
				Compiler Design R203146C	Natural Language Processing R203149B	
				Software Engineering R203142A	Data Structures R203149C	
				Computer Graphics R203146A	Computer Networks R203149D	
				Principles of Programming Languages R203146E	Data Base Management System R203149E	
Advanced Computer Architecture R203149A	Problem Solving using Python R203149F					
<b>FOOD ENGINEERING (51)</b>	<b>Heat Transfer in Food Processing (R2031511)</b>	<b>Processing of Fruits Vegetables Spices and Plantation Crops (R2031512)</b>	<b>Food Plant Design and Process Economics (R2031513)</b>	Transport Phenomena in Food Engineering R203151A	Food Material Science and Engineering R203151D	.....
				Statistical Methods in Food Engineering R203151B	Biochemical Engineering R203151E	
				Process Modeling and Simulation R203151C	Food Thermodynamics R203151F	



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<b>ARTIFICIAL INTELLIGENCE AND DATA SCIENCE (54)</b>	Compiler Design <b>(R2031421)</b> (Common to CSE(AIML), CSE(AI),CSE(DS),CSE(AIDS),AIDS,AIML,CS D)	Operating Systems <b>(R2031422)</b> (Common to CSE(AIML), CSE(AI),CSE(DS),CSE(AIDS),AIDS,AIML ,CSD)	Machine Learning <b>(R2031423)</b> (Common to CSE(AIML),CSE(AI), CSE(DS),CSE(AIDS), AIDS,AIML)	<b>Professional Elective (PE) :-</b>	<b>Open Elective (OE I) :-</b>	.....
				Software Engineering <b>R203142A</b>	Optimization in Operations Research <b>R203105E</b>	
				DevOps <b>R203142D</b>		
				Object Oriented Analysis and Design <b>R203144A</b>		
				Internet of Things <b>R203144B</b>		
<b>PHARMACEUTICAL ENGINEERING (55)</b>	Managerial Economics and Financial Accountancy <b>(R2031551)</b>	Pharmaceutical Engineering-I <b>(R2031552)</b>	Biopharmaceuticals and Pharmacokinetics <b>(R2031553)</b>	<b>Professional Elective (PE) :-</b>	<b>Open Elective (OE I) :-</b>	Biostatistics <b>R2031554</b>
				Quality Control and Assurance <b>R203155A</b>	Non-Conventional Energy Sources <b>R203155D</b>	
				Food Processing Technology <b>R203155B</b>	Introduction to Data Structures <b>R203155E</b>	
				Pharmaceutical Biotechnology <b>R203155C</b>	Design and Analysis of Experiments <b>R203155F</b>	
<b>CYBER SECURITY (59)</b>	Computer Networks <b>(R2031461)</b> (Common to CSE(CS),IOTCSIBCT, CSE(IOT),CS,CSBS)	Software Engineering <b>(R2031462)</b> (Common to CSE(CS),CS)	Design and Analysis of Algorithms <b>(R2031463)</b> (Common to CSE(CS),IOTCSIBCT,CSE(IOT),CS)	<b>Professional Elective (PE) :-</b>	<b>Open Elective (OE I) :-</b>	.....
				Computer Graphics <b>R203146A</b>	Web Technologies <b>R203146F</b>	
				Artificial Intelligence <b>R203146B</b>	Data Structures <b>R203146G</b>	
				Compiler Design <b>R203146C</b>	Computer Networks <b>R203146H</b>	
				Advanced Data Structures <b>R203146D</b>	Data Base Management Systems <b>R203146I</b>	
<b>ARTIFICIAL INTELLIGENCE AND MACHINE LEARNING (61)</b>	Compiler Design <b>(R2031421)</b> (Common to CSE(AIML), CSE(AI),CSE(DS),CSE(AIDS),AIDS,AIML,CS D)	Operating Systems <b>(R2031422)</b> (Common to CSE(AIML), CSE(AI),CSE(DS),CSE(AIDS),AIDS,AIML ,CSD)	Machine Learning <b>(R2031423)</b> (Common to CSE(AIML),CSE(AI), CSE(DS),CSE(AIDS), AIDS,AIML)	<b>Professional Elective (PE) :-</b>	<b>Open Elective (OE I) :-</b>	.....
				Software Engineering <b>R203142A</b>	Optimization in Operations Research <b>R203105E</b>	
				Computer Vision <b>R203142B</b>		
				Data Visualization <b>R203142C</b>		
				DevOps <b>R203142D</b>		
MOOC's/NPTEL <b>R203142E</b>						



# JAWAHARLAL NEHRU TECHNOLOGICAL UNIVERSITY KAKINADA

UNIVERSITY EXAMINATION CENTER, KAKINADA

## III B.TECH I SEMESTER (R20 REGULATION) II MID & ONLINE QUIZ EXAMINATIONS, NOV/DEC - 2023

### TIME TABLE

TIME: 02.00 PM TO 04.00 PM

BRANCH	DATE & DAY					
	27.11.2023 (Monday)	28.11.2023 (Tuesday)	29.11.2023 (Wednesday)	30.11.2023 (Thursday)	01.12.2023 (Friday)	02.12.2023 (Saturday)
<b>COMPUTER SCIENCE AND DESIGN (62)</b>	Compiler Design <b>(R2031421)</b> (Common to CSE(AIML), CSE(AI),CSE(DS),CSE( AIDS),AIDS,AIML,CS D)	Operating Systems <b>(R2031422)</b> (Common to CSE(AIML), CSE(AI),CSE(DS),CS E(AIDS),AIDS,AIML ,CSD)	Human Computer Interaction <b>(R2031621)</b>	Professional Elective (PE) :-	Open Elective (OE I) :-	.....
				Software Engineering R203142A	Optimization in Operations Research R203105E	
				Object Oriented Analysis and Design R203144A		
				Internet of Things R203144B		
				DevOps R203142D		

**NOTE:**

- (i) ANY OMISSIONS OR CLASHES IN THIS TIME TABLE MAY PLEASE BE INFORMED TO THE CONTROLLER OF EXAMINATIONS, IMMEDIATELY.
- (ii) EVEN IF GOVERNMENT DECLARES HOLIDAY ON ANY OF THE ABOVE DATES, THE EXAMINATIONS SHALL BE CONDUCTED AS USUAL.
- (iii) THE PRINCIPALS ARE REQUESTED TO INFORM THE UNIVERSITY ANY OTHER SUBSTITUTE SUBJECTS THAT ARE NOT INCLUDED IN THE ABOVE LIST IMMEDIATELY.

DATE: 09-11-2023

Controller of Examinations (UG)



**JAWAHARLAL NEHRU TECHNOLOGICAL UNIVERSITY KAKINADA**  
UNIVERSITY EXAMINATION CENTER, KAKINADA

**IV B.TECH - I SEMESTER (R20) II MID & ONLINE QUIZ EXAMINATIONS, DECEMBER - 2023**

**T I M E T A B L E**

**TIME : 10.00 AM TO 12.00 NOON**

Branch	DATE & DAY							
	04-12-2023 (Monday)	05-12-2023 (Tuesday)	06-12-2023 (Wednesday)	07-12-2023 (Thursday)	08-12-2023 (Friday)	11-12-2023 (Monday)	12-12-2023 (Tuesday)	13-12-2023 (Wednesday)
<b>Civil Engineering (01)</b>	Universal Human Values-2: Understanding Harmony (R2041011) (Common to CE, EEE, ME, ECE, CSE, IT, AME, MiE, AgriE, CSE(AIML), CSE(AI), CSE(DS), CSE(AIDS), CSE(CS), CSE(IOTCSIBCT), CSE(IOT), FE, AIDS, CS, AIML, CSD)	<b>Professional Elective-III</b> : Advanced Structural Engineering (R204101A)/ Bridge Engineering (R204101B)/ Structural Dynamics (R204101C)/ Urban Transportation Planning (R204101D)	<b>Professional Elective-IV</b> : Ground Improvement Techniques (R204101E)/ Geo-Spatial Technologies (R204101F)/ Disaster Management & Mitigation (R204101G)/ Soil dynamics & Machine Foundations (R204101H)	<b>Professional Elective-V</b> : Design & Drawing of Irrigation Structures (R204101I)/ Earth & Rock fill Dams (R204101J)/ Urban Hydrology (R204101K)/ SWAYAM / NPTEL /MOOCS COURSES (12 weeks duration) (R204101L)	<b>Open Elective-III</b> : Strength of Materials (R204101M)/ Fluid Mechanics (R204101N)/ Surveying and Geomatics (R204101O)/ Highway Engineering (R204101P)/ Safety Engineering (R204101Q)/ Environmental Management (R204101R)/ Urban Planning (R204101S)	<b>Open Elective-IV</b> : Elements of Civil Engineering (R204101T)/ Environmental Engineering (R204101U)/ Disaster Management (R204101V)/ Water Resource Engineering (R204101W)/ Hydraulics and Hydraulic Machinery (R204101X)/ Green Technologies (R204101Y)/ Remote Sensing and GIS (R204101Z)	.....	.....
<b>Electrical &amp; Electronics Engineering (02)</b>	Universal Human Values-2: Understanding Harmony (R2041011) (Common to CE, EEE, ME, ECE, CSE, IT, AME, MiE, AgriE, CSE(AIML), CSE(AI), CSE(DS), CSE(AIDS), CSE(CS), CSE(IOTCSIBCT), CSE(IOT), FE, AIDS, CS, AIML, CSD)	<b>Professional Elective-III</b> : Digital Signal Processing (R204102A)/ Renewable and Distributed Energy Technologies (R204102B)/ Flexible Alternating Current Transmission Systems (R204102C)/ Power Systems Deregulation (R204102D)/ Data Base Management Systems (R204102E)	<b>Professional Elective-IV</b> : Hybrid Electric Vehicles (R204102F)/ High Voltage Engineering (R204102G)/ Programmable Logic Controllers and Applications (R204102H)	<b>Professional Elective-V</b> : Power System Operation and Control (R204102I)/ Switched Mode Power Conversion (R204102J)/ AI Applications to Electrical Engineering (R204102K)	<b>Open Elective-III</b> : Concepts of Microprocessors and Microcontrollers (R204102L)/ Fundamentals of Electric Vehicles (R204102M)/ Concepts of Internet of Things (R204102N)	<b>Open Elective-IV</b> : Concepts of Power System Engineering (R204102O)/ Concepts of Smart Grid Technologies (R204102P)	Data Science (R204105R) (Common to EEE PE-V & CSE, IT, CSE(AIML), CSE(AI), CSE(DS), CSE(AIDS), AIDS, AIML, CSD OE-3)	Deep Learning Techniques (R204105E) (Common to EEE, CSE, IT, PE-IV & CSE, IT, CSE(AIML), CSE(AI), CSE(DS), CSE(AIDS), AIDS, AIML, CSD OE-4)/ MEAN Stack Technologies (R204105V) (Common to EEE PE-V & CSE, IT, CSE(AIML), CSE(AI), CSE(DS), CSE(AIDS), AIDS, AIML, CSD OE-4) Cloud Computing with AWS (R204105W) (Common to EEE PE-IV & CSE, IT, CSE(AIML), CSE(AI), CSE(DS), CSE(AIDS), AIDS, AIML, CSD OE-4)



**JAWAHARLAL NEHRU TECHNOLOGICAL UNIVERSITY KAKINADA**  
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**IV B.TECH - I SEMESTER (R20) II MID & ONLINE QUIZ EXAMINATIONS, DECEMBER - 2023**

**T I M E T A B L E**

TIME : 10.00 AM TO 12.00 NOON

Branch	DATE & DAY							
	04-12-2023 (Monday)	05-12-2023 (Tuesday)	06-12-2023 (Wednesday)	07-12-2023 (Thursday)	08-12-2023 (Friday)	11-12-2023 (Monday)	12-12-2023 (Tuesday)	13-12-2023 (Wednesday)
<b>Mechanical Engineering (03)</b>	Universal Human Values-2: Understanding Harmony <b>(R2041011)</b> <i>(Common to CE, EEE, ME, ECE, CSE, IT, AME, MIE, AgriE, CSE(AIML), CSE(AI), CSE(DS), CSE(AIDS), CSE(CS), CSE(IOTCSIBCT), CSE(IOT), FE, AIDS, CS, AIML, CSD)</i>	<b>Professional Elective-III</b> : Mechanical Vibrations <b>(R204103A)</b> / Operations Research <b>(R204103B)</b> / Unconventional Machining Processes <b>(R204103C)</b> / Computational Fluid Dynamics <b>(R204103D)</b> / Gas Dynamics and Jet Propulsion <b>(R204103E)</b> / MOOCs (NPTEL/Swayam) Course (12 Week duration) <b>(R204103F)</b>	<b>Professional Elective-IV</b> : Automation in Manufacturing <b>(R204103G)</b> / Power Plant Engineering <b>(R204103H)</b> / Big Data Analytics <b>(R204103I)</b> / Production Planning and Control <b>(R204103J)</b> / Condition Monitoring <b>(R204103K)</b> / MOOCs (NPTEL/Swayam) Course (12 Week duration) <b>(R204103L)</b>	<b>Professional Elective-V</b> : Advanced Manufacturing Processes <b>(R204103M)</b> / Refrigeration & Air-Conditioning <b>(R204103O)</b> / Non Destructive Evaluation <b>(R204103Q)</b> / MOOCs (NPTEL/Swayam) Course (12 Week duration) <b>(R204103R)</b>	<b>Open Elective-III</b> : Finite Element Methods <b>(R204103S)</b> / Introduction to Artificial Intelligence & Machine Learning <b>(R204103T)</b>	<b>Open Elective-IV</b> : Optimization Techniques <b>(R204103U)</b> / Smart Manufacturing <b>(R204103V)</b> / Safety Engineering <b>(R204103W)</b> / Operations Management <b>(R204103X)</b>	Mechatronics <b>(R204103N)</b> <i>(Common to PE-V &amp; OE-3)</i> / Additive Manufacturing <b>(R204103P)</b> <i>(Common to PE-V &amp; OE-3)</i>	.....



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**IV B.TECH - I SEMESTER (R20) II MID & ONLINE QUIZ EXAMINATIONS, DECEMBER - 2023**

**T I M E T A B L E**

TIME : 10.00 AM TO 12.00 NOON

Branch	DATE & DAY							
	04-12-2023 (Monday)	05-12-2023 (Tuesday)	06-12-2023 (Wednesday)	07-12-2023 (Thursday)	08-12-2023 (Friday)	11-12-2023 (Monday)	12-12-2023 (Tuesday)	13-12-2023 (Wednesday)
<b>Electronics &amp; Communication Engineering (04)</b>	Universal Human Values-2: Understanding Harmony <b>(R2041011)</b> <i>(Common to CE, EEE, ME, ECE, CSE, IT, AME, MIE, AgriE, CSE(AIML), CSE(AI), CSE(DS), CSE(AIDS), CSE(CS), CSE(IOTCSIBCT), CSE(IOT), FE, AIDS, CS, AIML, CSD)</i>	<b>Professional Elective-III</b> : Optical Communication <b>(R204104A)</b> / Digital Image Processing <b>(R204104B)</b> / Low Power VLSI Design <b>(R204104C)</b>	<b>Professional Elective-IV</b> : Satellite Communications <b>(R204104D)</b> / Soft Computing Techniques <b>(R204104E)</b> / Digital IC Design using CMOS <b>(R204104F)</b>	<b>Professional Elective-V</b> : Radar engineering <b>(R204104G)</b> / Pattern recognition & Machine Learning <b>(R204104H)</b> / Internet of Things <b>(R204104I)</b>	<b>Open Elective-III</b> : Basics of Signals and Systems <b>(R204104J)</b> / Electronic Measurements and Instrumentation <b>(R204104K)</b> / Principles of Signal Processing <b>(R204104L)</b> / Industrial Electronics <b>(R204104M)</b> / Consumer Electronics <b>(R204104N)</b> / Fundamentals of Microprocessors and Microcontrollers <b>(R204104O)</b> / Transducers and Sensors <b>(R204104P)</b> / IOT and Applications <b>(R204104Q)</b>	<b>Open Elective-IV</b> : Soft Computing Techniques <b>(R204104R)</b> / Principles of Communications <b>(R204104T)</b> / Basic Electronics <b>(R204104U)</b> / Data Communications <b>(R204104V)</b> / Digital Logic design <b>(R204104W)</b> / Remote Sensing and GIS <b>(R204104X)</b> / Bio Medical Instrumentation <b>(R204104Y)</b>	<b>Open Elective-IV</b> : IC Applications <b>(R204104S)</b>	.....



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	04-12-2023 (Monday)	05-12-2023 (Tuesday)	06-12-2023 (Wednesday)	07-12-2023 (Thursday)	08-12-2023 (Friday)	11-12-2023 (Monday)	12-12-2023 (Tuesday)	13-12-2023 (Wednesday)
<b>Computer Science &amp; Engineering (05)</b>	Universal Human Values-2: Understanding Harmony <b>(R2041011)</b> <i>(Common to CE, EEE, ME, ECE, CSE, IT, AME, MiE, AgriE, CSE(AIML), CSE(AI), CSE(DS), CSE(AIDS), CSE(CS), CSE(IOTCSIBCT), CSE(IOT), FE, AIDS, CS, AIML, CSD)</i>	<b>Professional Elective-III</b> : Cloud Computing <b>(R204105A)</b> <i>(Common to CSE, IT)</i> / Neural Networks and Soft Computing <b>(R204105B)</b> / Ad-hoc and Sensor Networks <b>(R204105C)</b> / Cyber Security & Forensics <b>(R204105D)</b> <i>(Common to CSE, IT)</i>	<b>Professional Elective-IV</b> : Computer Vision <b>(R204105G)</b> <i>(Common to CSE, CSE(AIDS), AIDS, CSD)</i> / MOOCS-NPTEL/SWAYAM <b>(R204105H)</b>	<b>Professional Elective-V</b> : Wireless Network Security <b>(R204105J)</b> / Ethical Hacking <b>(R204105K)</b> <i>(Common to CSE, IT)</i> / MOOCS-NPTEL/SWAYAM <b>(R204105L)</b> / Block Chain Technologies <b>(R204105I)</b> <i>(Common to CSE, IT)</i>	<b>Open Elective-III</b> : API and Microservices (Job Oriented Course) <b>(R204105M)</b> / AI Tools & Techniques <b>(R204105N)</b> / Image Processing <b>(R204105O)</b> / Information Security <b>(R204105P)</b> / Mobile Application Development <b>(R204105Q)</b> / Cyber Security <b>(R204105S)</b> / Introduction to Internet of Things <b>(R204105T)</b> <i>(Common to OE-III as CSE, IT, CSE(AIML), CSE(AI), CSE(DS), CSE(AIDS), AIDS, AIML, CSD)</i>	<b>Open Elective-IV</b> : Secure Coding Techniques (Job Oriented Course) <b>(R204105U)</b> / Block Chain Technologies <b>(R204105X)</b> / Introduction to Machine Learning <b>(R204105Z)</b> / Machine Learning with Python <b>(R2041051)</b> <i>(Common to OE-IV as CSE, IT, CSE(AIML), CSE(AI), CSE(DS), CSE(AIDS), AIDS, AIML, CSD)</i>	Social Network And Semantic Web (Job Oriented Course) <b>(R204105F)</b> <i>(Common to CSE, PE-IV &amp; CSE(IOTCSIBCT) OE-3)</i> / Data Science <b>(R204105R)</b> <i>(Common to EEE PE-V &amp; CSE, IT, CSE(AIML), CSE(AI), CSE(DS), CSE(AIDS), AIDS, AIML, CSD OE-3)</i>	Deep Learning Techniques <b>(R204105E)</b> <i>(Common to EEE, CSE, IT, PE-IV &amp; CSE, IT, CSE(AIML), CSE(AI), CSE(DS), CSE(AIDS), AIDS, AIML, CSD OE-4)</i> / MEAN Stack Technologies <b>(R204105V)</b> / Cloud Computing with AWS <b>(R204105W)</b> <i>(Common to EEE PE-IV &amp; CSE, IT, CSE(AIML), CSE(AI), CSE(DS), CSE(AIDS), AIDS, AIML, CSD OE-4)</i> / Cryptography and Network Security <b>(R204105Y)</b> <i>(Common to CSE(AIML), CSE(AI), AIML, CSD PE-III &amp; CSE, IT, CSE(AIML), CSE(AI), CSE(DS), CSE(AIDS), AIDS, AIML, CSD OE-4)</i>
<b>Information Technology (12)</b>	Universal Human Values-2: Understanding Harmony <b>(R2041011)</b> <i>(Common to CE, EEE, ME, ECE, CSE, IT, AME, MiE, AgriE, CSE(AIML), CSE(AI), CSE(DS), CSE(AIDS), CSE(CS), CSE(IOTCSIBCT), CSE(IOT), FE, AIDS, CS, AIML, CSD)</i>	<b>Professional Elective-III</b> : Cloud Computing <b>(R204105A)</b> <i>(Common to CSE, IT)</i> / Cyber Security & Forensics <b>(R204105D)</b> <i>(Common to CSE, IT)</i> / Artificial Neural Networks <b>(R204112A)</b> / Internet of Things (IoT) <b>(R204112B)</b>	<b>Professional Elective-IV</b> : Advanced Databases <b>(R204112D)</b> / MOOCS-NPTEL/SWAYAM <b>(R204112E)</b> / Social Networks Analysis <b>(R204112C)</b>	<b>Professional Elective-V</b> : M-Commerce <b>(R204112F)</b> / Ethical Hacking <b>(R204105K)</b> <i>(Common to CSE, IT)</i> / MOOCS-NPTEL/SWAYAM <b>(R204112G)</b> / Block Chain Technologies <b>(R204105I)</b> <i>(Common to CSE, IT)</i>	<b>Open Elective-III</b> : AI Tools & Techniques <b>(R204105N)</b> / Image Processing <b>(R204105O)</b> / Information Security <b>(R204105P)</b> / Mobile Application Development <b>(R204105Q)</b> / Cyber Security <b>(R204105S)</b> / Introduction to Internet of Things <b>(R204105T)</b> <i>(Common to OE-III as CSE, IT, CSE(AIML), CSE(AI), CSE(DS), CSE(AIDS), AIDS, AIML, CSD)</i>	<b>Open Elective-IV</b> : Block Chain Technologies <b>(R204105X)</b> / Introduction to Machine Learning <b>(R204105Z)</b> / Machine Learning with Python <b>(R2041051)</b> <i>(Common to OE-IV as CSE, IT, CSE(AIML), CSE(AI), CSE(DS), CSE(AIDS), AIDS, AIML, CSD)</i>	Data Science <b>(R204105R)</b> <i>(Common to EEE PE-V &amp; CSE, IT, CSE(AIML), CSE(AI), CSE(DS), CSE(AIDS), AIDS, AIML, CSD OE-3)</i>	Deep Learning Techniques <b>(R204105E)</b> <i>(Common to EEE, CSE, IT, PE-IV &amp; CSE, IT, CSE(AIML), CSE(AI), CSE(DS), CSE(AIDS), AIDS, AIML, CSD OE-4)</i> / MEAN Stack Technologies <b>(R204105V)</b> / Cloud Computing with AWS <b>(R204105W)</b> <i>(Common to EEE PE-IV &amp; CSE, IT, CSE(AIML), CSE(AI), CSE(DS), CSE(AIDS), AIDS, AIML, CSD OE-4)</i> / Cryptography and Network Security <b>(R204105Y)</b> <i>(Common to CSE(AIML), CSE(AI), AIML, CSD PE-III &amp; CSE, IT, CSE(AIML), CSE(AI), CSE(DS), CSE(AIDS), AIDS, AIML, CSD OE-4)</i>



**JAWAHARLAL NEHRU TECHNOLOGICAL UNIVERSITY KAKINADA**  
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**IV B.TECH - I SEMESTER (R20) II MID & ONLINE QUIZ EXAMINATIONS, DECEMBER - 2023**

**TIME TABLE**

TIME : 10.00 AM TO 12.00 NOON

Branch	DATE & DAY							
	04-12-2023 (Monday)	05-12-2023 (Tuesday)	06-12-2023 (Wednesday)	07-12-2023 (Thursday)	08-12-2023 (Friday)	11-12-2023 (Monday)	12-12-2023 (Tuesday)	13-12-2023 (Wednesday)
<b>Automobile Engineering (24)</b>	Universal Human Values-2: Understanding Harmony <b>(R2041011)</b> <i>(Common to CE, EEE, ME, ECE, CSE, IT, AME, MiE, AgriE, CSE(AIML), CSE(AI), CSE(DS), CSE(AIDS), CSE(CS), CSE(IOTCSIBCT), CSE(IOT), FE, AIDS, CS, AIML, CSD)</i>	<b>Professional Elective-III</b> : Automobile HVAC <b>(R204124B)</b> / Special Purpose Vehicles <b>(R204124C)</b> / Vehicle Infotronics <b>(R204124E)</b> / MOOC's/NPTEL <b>(R204124F)</b>	<b>Professional Elective-IV</b> : Automobile Certification and Homologation <b>(R204124G)</b> / Total Quality Management <b>(R204124H)</b> / Electric Vehicles and Hybrid Technology <b>(R204124I)</b> / Facilities Planning and Material Handling <b>(R204124J)</b> / Rapid Prototyping <b>(R204124K)</b> / MOOC's/NPTEL <b>(R204124L)</b>	<b>Professional Elective-V</b> : Automobile Comfort Systems And Ergonomics <b>(R204124M)</b> / Lean Manufacturing <b>(R204124N)</b> / Vehicle Design Data Characteristics <b>(R204124O)</b> / Reliability Engineering <b>(R204124P)</b> / Smart, Autonomous and Connected Vehicles <b>(R204124Q)</b> / MOOC's/NPTEL <b>(R204124R)</b>	<b>Open Elective-III</b> : Automobile Power train <b>(R204124S)</b> / IC Engines <b>(R204124T)</b>	<b>Open Elective-IV</b> : Automobile Materials and Manufacturing Techniques <b>(R204124U)</b> / Automobile Electrical and Electronics <b>(R204124V)</b>	Automobile Safety <b>(R204124A)</b> (Common to PE-III & OE-3)	Engine Management Systems <b>(R204124D)</b> (Common to PE-III & OE-4)
<b>Mining Engineering (26)</b>	Universal Human Values-2: Understanding Harmony <b>(R2041011)</b> <i>(Common to CE, EEE, ME, ECE, CSE, IT, AME, MiE, AgriE, CSE(AIML), CSE(AI), CSE(DS), CSE(AIDS), CSE(CS), CSE(IOTCSIBCT), CSE(IOT), FE, AIDS, CS, AIML, CSD)</i>	<b>Professional Elective-III</b> : Operations Research <b>(R204126A)</b> / Dimensional Stone Mining <b>(R204126B)</b> / Advanced Mining Techniques <b>(R204126C)</b> / Planning of Underground Metal mining techniques <b>(R204126D)</b>	<b>Professional Elective-IV</b> : Mine closure and Reclamation <b>(R204126E)</b> / Surface Mine Environment <b>(R204126F)</b> / Mineral Economics, Business and Trade <b>(R204126H)</b>	<b>Professional Elective-V</b> : Subsidence Engineering <b>(R204126I)</b> / Rock Slope Engineering <b>(R204126J)</b> / Advances in Rock Fragmentation <b>(R204126K)</b> / Tunneling and Underground Space Technology <b>(R204126L)</b>	<b>Open Elective-III</b> : Mine Waste Management <b>(R204126M)</b> / Mine Reclamation <b>(R204126N)</b> / Environmental Impact of Mining <b>(R204126O)</b>	<b>Open Elective-IV</b> : Principles of Mineral Engineering <b>(R204126P)</b> / Mine Instrumentation <b>(R204126Q)</b> / Mine Safety & Ergonomics <b>(R204126R)</b> / Numerical Methods in Mining Engineering <b>(R204126S)</b>	Sustainable Development for Mining <b>(R204126G)</b> (Common to PE-IV & OE-3)	.....





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Branch	DATE & DAY							
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<b>Agricultural Engineering (35)</b>	Universal Human Values-2: Understanding Harmony <b>(R2041011)</b> <i>(Common to CE, EEE, ME, ECE, CSE, IT, AME, MIE, AgriE, CSE(AIML), CSE(AI), CSE(DS), CSE(AIDS), CSE(CS), CSE(IOTCSIBCT), CSE(IOT), FE, AIDS, CS, AIML, CSD)</i>	<b>Professional Elective-III</b> : Irrigation and Drainage Engineering <b>(R204135A)/</b> Production Technology of Agricultural Machinery <b>(R204135B)/</b> Food Plant Design and Management <b>(R204135C)</b>	<b>Professional Elective-IV</b> : Design of Soil and Water Conservation and Farm Systems <b>(R204135D)/</b> Food Process Equipment Design <b>(R204135E)/</b> Design of Agricultural Machinery <b>(R204135F)</b>	<b>Professional Elective-V</b> : Micro Irrigation Engineering <b>(R204135G)/</b> Mechatronics in Agricultural Engineering <b>(R204135H)/</b> Dairy and Food Engineering <b>(R204135I)</b>	<b>Open Elective-III</b> : Principles of Soil Science and Agronomy <b>(R204135J)/</b> Farm Power and Tractor Systems <b>(R204135K)/</b> Soil and Water Conservation Engineering <b>(R204135L)/</b> Ground Water Hydrology, Wells and Pumps <b>(R204135M)</b>	<b>Open Elective-IV</b> : Surface Water Hydrology <b>(R204135N)/</b> Post Harvest Engineering of Cereals, Pulses and Oilseeds <b>(R204135O)/</b> Agricultural Process Engineering <b>(R204135P)</b>	.....	.....
<b>CSE (Artificial Intelligence and Machine Learning) (42)</b>	Universal Human Values-2: Understanding Harmony <b>(R2041011)</b> <i>(Common to CE, EEE, ME, ECE, CSE, IT, AME, MIE, AgriE, CSE(AIML), CSE(AI), CSE(DS), CSE(AIDS), CSE(CS), CSE(IOTCSIBCT), CSE(IOT), FE, AIDS, CS, AIML, CSD)</i>	<b>Professional Elective-III</b> : Reinforcement Learning <b>(R204142A)/</b> Soft Computing <b>(R204142B)/</b> Speech Processing <b>(R204142C)/</b> Block Chain Technologies <b>(R204142P)</b> <i>(Common to CSE(AIML), CSE(AI), CSE(DS), CSE(AIDS), AIDS, AIML, CSD)</i>	<b>Professional Elective-IV</b> : Robotic Process Automation <b>(R204142D)/</b> Big Data Analytics <b>(R204142E)</b> <i>(Common to CSE(AIML), CSE(AI), AIML, PE-IV &amp; CSE(CS), CS PE-V &amp; OE-3) /</i> NOSQL Databases <b>(R204142F)/</b> Video Analytics <b>(R204142G)/</b> Cloud Computing <b>(R204142O)</b> <i>(Common to CSE(AIML), CSE(AI), CSE(DS), CSE(AIDS), AIDS, AIML, CSD)</i>	<b>Professional Elective-V</b> : Recommender Systems <b>(R204142H)/</b> AI Chatbots <b>(R204142I)/</b> Object Oriented Analysis and Design <b>(R204142J)/</b> Semantic Web <b>(R204142K) /</b> Social Networks Analysis <b>(R204142Q)</b> <i>(Common to CSE(AIML), CSE(AI), CSE(DS), CSE(AIDS), AIDS, AIML, CSD)</i>	<b>Open Elective-III</b> : API and Microservices (Job Oriented Course) <b>(R204105M)/</b> AI Tools & Techniques <b>(R204105N)/</b> Image Processing <b>(R204105O)/</b> Information Security <b>(R204105P)/</b> Mobile Application Development <b>(R204105Q)/</b> Cyber Security <b>(R204105S)/</b> Introduction to Internet of Things <b>(R204105T)</b> <i>(Common to OE-III as CSE, IT, CSE(AIML), CSE(AI), CSE(DS), CSE(AIDS), AIDS, AIML, CSD)</i>	<b>Open Elective-IV</b> : Secure Coding Techniques (Job Oriented Course) <b>(R204105U)/</b> Block Chain Technologies <b>(R204105X)/</b> Introduction to Machine Learning <b>(R204105Z)/</b> Machine Learning with Python <b>(R2041051)</b> <i>(Common to OE-IV as CSE, IT, CSE(AIML), CSE(AI), CSE(DS), CSE(AIDS), AIDS, AIML, CSD)</i>	Data Science <b>(R204105R)</b> <i>(Common to EEE PE-V &amp; CSE, IT, CSE(AIML), CSE(AI), CSE(DS), CSE(AIDS), AIDS, AIML, CSD OE-3)</i>	Deep Learning Techniques <b>(R204105E)</b> <i>(Common to EEE, CSE, IT, PE-IV &amp; CSE, IT, CSE(AIML), CSE(AI), CSE(DS), CSE(AIDS), AIDS, AIML, CSD OE-4) /</i> MEAN Stack Technologies <b>(R204105V) /</b> Cloud Computing with AWS <b>(R204105W)</b> <i>(Common to EEE PE-IV &amp; CSE, IT, CSE(AIML), CSE(AI), CSE(DS), CSE(AIDS), AIDS, AIML, CSD OE-4) /</i> Cryptography and Network Security <b>(R204105Y)</b> <i>(Common to CSE(AIML), CSE(AI), AIML, CSD PE-III &amp; CSE, IT, CSE(AIML), CSE(AI), CSE(DS), CSE(AIDS), AIDS, AIML, CSD OE-4)</i>



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**TIME TABLE**

TIME : 10.00 AM TO 12.00 NOON

Branch	DATE & DAY							
	04-12-2023 (Monday)	05-12-2023 (Tuesday)	06-12-2023 (Wednesday)	07-12-2023 (Thursday)	08-12-2023 (Friday)	11-12-2023 (Monday)	12-12-2023 (Tuesday)	13-12-2023 (Wednesday)
<b>CSE (Artificial Intelligence) (43)</b>	Universal Human Values-2: Understanding Harmony <b>(R2041011)</b> <i>(Common to CE, EEE, ME, ECE, CSE, IT, AME, MiE, AgriE, CSE(AIML), CSE(AI), CSE(DS), CSE(AIDS), CSE(CS), CSE(IOTCSIBCT), CSE(IOT), FE, AIDS, CS, AIML, CSD)</i>	<b>Professional Elective-III</b> : Reinforcement Learning <b>(R204142A)</b> / Soft Computing <b>(R204142B)</b> / Speech Processing <b>(R204142C)</b> / Block Chain Technologies <b>(R204142P)</b> <i>(Common to CSE(AIML), CSE(AI), CSE(DS), CSE(AIDS), AIDS, AIML, CSD)</i>	<b>Professional Elective-IV</b> : Robotic Process Automation <b>(R204142D)</b> / Big Data Analytics <b>(R204142E)</b> <i>(Common to CSE(AIML), CSE(AI), AIML, PE-IV &amp; CSE(CS), CS PE-V &amp; OE-3) /</i> NOSQL Databases <b>(R204142F)</b> / Video Analytics <b>(R204142G)</b> / Cloud Computing <b>(R204142O)</b> <i>(Common to CSE(AIML), CSE(AI), CSE(DS), CSE(AIDS), AIDS, AIML, CSD)</i>	<b>Professional Elective-V</b> : Recommender Systems <b>(R204142H)</b> / AI Chatbots <b>(R204142I)</b> / Object Oriented Analysis and Design <b>(R204142J)</b> / Semantic Web <b>(R204142K)</b> / Social Networks Analysis <b>(R204142Q)</b> <i>(Common to CSE(AIML), CSE(AI), CSE(DS), CSE(AIDS), AIDS, AIML, CSD)</i>	<b>Open Elective-III</b> : API and Microservices (Job Oriented Course) <b>(R204105M)</b> / AI Tools & Techniques <b>(R204105N)</b> / Image Processing <b>(R204105O)</b> / Information Security <b>(R204105P)</b> / Mobile Application Development <b>(R204105Q)</b> / Cyber Security <b>(R204105S)</b> / Introduction to Internet of Things <b>(R204105T)</b> <i>(Common to OE-III as CSE, IT, CSE(AIML), CSE(AI), CSE(DS), CSE(AIDS), AIDS, AIML, CSD)</i>	<b>Open Elective-IV</b> : Secure Coding Techniques (Job Oriented Course) <b>(R204105U)</b> / Block Chain Technologies <b>(R204105X)</b> / Introduction to Machine Learning <b>(R204105Z)</b> / Machine Learning with Python <b>(R2041051)</b> <i>(Common to OE-IV as CSE, IT, CSE(AIML), CSE(AI), CSE(DS), CSE(AIDS), AIDS, AIML, CSD)</i>	<b>Data Science</b> <b>(R204105R)</b> <i>(Common to EEE PE-V &amp; CSE, IT, CSE(AIML), CSE(AI), CSE(DS), CSE(AIDS), AIDS, AIML, CSD OE-3)</i>	Deep Learning Techniques <b>(R204105E)</b> <i>(Common to EEE, CSE, IT, PE-IV &amp; CSE, IT, CSE(AIML), CSE(AI), CSE(DS), CSE(AIDS), AIDS, AIML, CSD OE-4) /</i> MEAN Stack Technologies <b>(R204105V)</b> / Cloud Computing with AWS <b>(R204105W)</b> <i>(Common to EEE PE-IV &amp; CSE, IT, CSE(AIML), CSE(AI), CSE(DS), CSE(AIDS), AIDS, AIML, CSD OE-4) /</i> Cryptography and Network Security <b>(R204105Y)</b> <i>(Common to CSE(AIML), CSE(AI), AIML, CSD PE-III &amp; CSE, IT, CSE(AIML), CSE(AI), CSE(DS), CSE(AIDS), AIDS, AIML, CSD OE-4)</i>



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<b>CSE (Data Science) (44)</b>	Universal Human Values-2: Understanding Harmony <b>(R2041011)</b> <i>(Common to CE, EEE, ME, ECE, CSE, IT, AME, MiE, AgriE, CSE(AIML), CSE(AI), CSE(DS), CSE(AIDS), CSE(CS), CSE(IOTCSIBCT), CSE(IOT), FE, AIDS, CS, AIML, CSD)</i>	<b>Professional Elective-III</b> : Reinforcement Learning <b>(R204142A)</b> / Nature Inspired Computing Techniques <b>(R204144A)</b> / Social Media Analytics <b>(R204144B)</b> / Block Chain Technologies <b>(R204142P)</b> <i>(Common to CSE(AIML), CSE(AI), CSE(DS), CSE(AIDS), AIDS, AIML, CSD)</i>	<b>Professional Elective-IV</b> : SnowFlake Cloud Analytics <b>(R204144C)</b> / Information Retrieval Systems <b>(R204144D)</b> / NOSQL Databases <b>(R204142F)</b> / Cloud Computing <b>(R204142O)</b> <i>(Common to CSE(AIML), CSE(AI), CSE(DS), CSE(AIDS), AIDS, AIML, CSD)</i>	<b>Professional Elective-V</b> : Recommender Systems <b>(R204142H)</b> / AI Chatbots <b>(R204142I)</b> / Data Visualization <b>(R204144E)</b> / Social Networks Analysis <b>(R204142Q)</b> <i>(Common to CSE(AIML), CSE(AI), CSE(DS), CSE(AIDS), AIDS, AIML, CSD)</i>	<b>Open Elective-III</b> : API and Microservices (Job Oriented Course) <b>(R204105M)</b> / AI Tools & Techniques <b>(R204105N)</b> / Image Processing <b>(R204105O)</b> / Information Security <b>(R204105P)</b> / Mobile Application Development <b>(R204105Q)</b> / Cyber Security <b>(R204105S)</b> / Introduction to Internet of Things <b>(R204105T)</b> <i>(Common to OE-III as CSE, IT, CSE(AIML), CSE(AI), CSE(DS), CSE(AIDS), AIDS, AIML, CSD)</i>	<b>Open Elective-IV</b> : Secure Coding Techniques (Job Oriented Course) <b>(R204105U)</b> / Block Chain Technologies <b>(R204105X)</b> / Introduction to Machine Learning <b>(R204105Z)</b> / Machine Learning with Python <b>(R2041051)</b> <i>(Common to OE-IV as CSE, IT, CSE(AIML), CSE(AI), CSE(DS), CSE(AIDS), AIDS, AIML, CSD)</i>	Data Science <b>(R204105R)</b> <i>(Common to EEE PE-V &amp; CSE, IT, CSE(AIML), CSE(AI), CSE(DS), CSE(AIDS), AIDS, AIML, CSD OE-3)</i>	Deep Learning Techniques <b>(R204105E)</b> <i>(Common to EEE, CSE, IT, PE-IV &amp; CSE, IT, CSE(AIML), CSE(AI), CSE(DS), CSE(AIDS), AIDS, AIML, CSD OE-4)</i> / MEAN Stack Technologies <b>(R204105V)</b> / Cloud Computing with AWS <b>(R204105W)</b> <i>(Common to EEE PE-IV &amp; CSE, IT, CSE(AIML), CSE(AI), CSE(DS), CSE(AIDS), AIDS, AIML, CSD OE-4)</i> / Cryptography and Network Security <b>(R204105Y)</b> <i>(Common to CSE(AIML), CSE(AI), AIML, CSD PE-III &amp; CSE, IT, CSE(AIML), CSE(AI), CSE(DS), CSE(AIDS), AIDS, AIML, CSD OE-4)</i>



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<b>CSE (Artificial Intelligence and Data Science) (45)</b>	Universal Human Values-2: Understanding Harmony <b>(R2041011)</b> <i>(Common to CE, EEE, ME, ECE, CSE, IT, AME, MiE, AgriE, CSE(AIML), CSE(AI), CSE(DS), CSE(AIDS), CSE(CS), CSE(IOTCSIBCT), CSE(IOT), FE, AIDS, CS, AIML, CSD)</i>	<b>Professional Elective-III</b> : Reinforcement Learning <b>(R204142A)</b> / Nature Inspired Computing Techniques <b>(R204144A)</b> / Social Media Analytics <b>(R204144B)</b> / Block Chain Technologies <b>(R204142P)</b> <i>(Common to CSE(AIML), CSE(AI), CSE(DS), CSE(AIDS), AIDS, AIML, CSD)</i>	<b>Professional Elective-IV</b> : Computer Vision <b>(R204105G)</b> <i>(Common to CSE, CSE(AIDS), AIDS, CSD)</i> / Information Retrieval Systems <b>(R204144D)</b> / NOSQL Databases <b>(R204142F)</b> / Cloud Computing <b>(R204142O)</b> <i>(Common to CSE(AIML), CSE(AI), CSE(DS), CSE(AIDS), AIDS, AIML, CSD)</i>	<b>Professional Elective-V</b> : Recommender Systems <b>(R204142H)</b> / AI Chatbots <b>(R204142I)</b> / Data Visualization <b>(R204144E)</b> / Social Networks Analysis <b>(R204142Q)</b> <i>(Common to CSE(AIML), CSE(AI), CSE(DS), CSE(AIDS), AIDS, AIML, CSD)</i>	<b>Open Elective-III</b> : API and Microservices (Job Oriented Course) <b>(R204105M)</b> / AI Tools & Techniques <b>(R204105N)</b> / Image Processing <b>(R204105O)</b> / Information Security <b>(R204105P)</b> / Mobile Application Development <b>(R204105Q)</b> / Cyber Security <b>(R204105S)</b> / Introduction to Internet of Things <b>(R204105T)</b> <i>(Common to OE-III as CSE, IT, CSE(AIML), CSE(AI), CSE(DS), CSE(AIDS), AIDS, AIML, CSD)</i>	<b>Open Elective-IV</b> : Secure Coding Techniques (Job Oriented Course) <b>(R204105U)</b> / Block Chain Technologies <b>(R204105X)</b> / Introduction to Machine Learning <b>(R204105Z)</b> / Machine Learning with Python <b>(R2041051)</b> <i>(Common to OE-IV as CSE, IT, CSE(AIML), CSE(AI), CSE(DS), CSE(AIDS), AIDS, AIML, CSD)</i>	Data Science <b>(R204105R)</b> <i>(Common to EEE PE-V &amp; CSE, IT, CSE(AIML), CSE(AI), CSE(DS), CSE(AIDS), AIDS, AIML, CSD OE-3)</i>	Deep Learning Techniques <b>(R204105E)</b> <i>(Common to EEE, CSE, IT, PE-IV &amp; CSE, IT, CSE(AIML), CSE(AI), CSE(DS), CSE(AIDS), AIDS, AIML, CSD OE-4)</i> / MEAN Stack Technologies <b>(R204105V)</b> / Cloud Computing with AWS <b>(R204105W)</b> <i>(Common to EEE PE-IV &amp; CSE, IT, CSE(AIML), CSE(AI), CSE(DS), CSE(AIDS), AIDS, AIML, CSD OE-4)</i> / Cryptography and Network Security <b>(R204105Y)</b> <i>(Common to CSE(AIML), CSE(AI), AIML, CSD PE-III &amp; CSE, IT, CSE(AIML), CSE(AI), CSE(DS), CSE(AIDS), AIDS, AIML, CSD OE-4)</i>
<b>CSE (Cyber Security) (46)</b>	Universal Human Values-2: Understanding Harmony <b>(R2041011)</b> <i>(Common to CE, EEE, ME, ECE, CSE, IT, AME, MiE, AgriE, CSE(AIML), CSE(AI), CSE(DS), CSE(AIDS), CSE(CS), CSE(IOTCSIBCT), CSE(IOT), FE, AIDS, CS, AIML, CSD)</i>	<b>Professional Elective-III</b> : Internet Of Things <b>(R204146A)</b> / Information Coding Techniques <b>(R204146D)</b> / Mobile and Wireless Security <b>(R204146E)</b> <i>(Common to CSE(CS), CS)</i>	<b>Professional Elective-IV</b> : Ad-hoc and Sensor Networks <b>(R204146R)</b> / Big Data Analytics <b>(R204142E)</b> <i>(Common to CSE(AIML), CSE(AI), AIML, PE-IV &amp; CSE(CS), CS PE-V &amp; OE-3)</i> / Cyber Crime Investigation and Digital Forensics <b>(R204146F)</b> <i>(Common to CSE(CS), CS PE-IV, OE-4 &amp; CSE(IOTCSIBCT) PE-IV)</i>	<b>Professional Elective-V</b> : Cyber Laws and Security Policies <b>(R204146J)</b> / Intrusion Detection and Prevention System <b>(R204146K)</b> / Data Privacy <b>(R204146L)</b> / Ethical Hacking <b>(R204146M)</b>	<b>Open Elective-III</b> : DevOps (Job Oriented Course) <b>(R204146N)</b> / Cryptography and Network Security <b>(R204146O)</b>	<b>Open Elective-IV</b> : Multimedia And Rich Internet Applications (Job Oriented Course) <b>(R204146P)</b>	Data Science <b>(R204146B)</b> <i>(Common to PE-III &amp; OE-3 CSE(CS), CSE(IOTCSIBCT), CSE(IoT CS))</i> / Cloud Computing <b>(R204146G)</b> <i>(Common to CSE(CS) PE-IV, OE-3 &amp; CSE(IoT) PE-IV)</i>	Distributed Systems <b>(R204146C)</b> <i>(Common to CSE(CS), CS PE-III &amp; OE-4)</i> / Mean Stack Technologies <b>(R204146H)</b> <i>(Common to CSE(IoT), CSE(CS), CSE(IOTCSIBCT) PE-IV &amp; CSE(IoT) OE-4)</i> / Malware Analysis & Reverse Engineering <b>(R204146I)</b> <i>(Common to CSE(CS), CSE(IOTCSIBCT) PE-IV &amp; CSE(CS) OE-4)</i> / Machine Learning <b>(R204146Q)</b> <i>(Common to CSE(IOTCSIBCT) PE-V &amp; CSE(CS), CSE(IOTCSIBCT), CSE(IoT) OE-4)</i>



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<b>CSE (Internet of things and Cyber security including Block chain Technology) (47)</b>	Universal Human Values-2: Understanding Harmony <b>(R2041011)</b> <i>(Common to CE, EEE, ME, ECE, CSE, IT, AME, MiE, AgriE, CSE(AIML), CSE(AI), CSE(DS), CSE(AIDS), CSE(CS), CSE(IOTCSIBCT), CSE(IOT), FE, AIDS, CS, AIML, CSD)</i>	<b>Professional Elective-III</b> : Software Testing Methodologies <b>(R204147A)</b> / NoSQL Databases <b>(R204147B)</b> / Privacy and Security in IOT <b>(R204147C)</b> / Cloud Computing <b>(R204147Q)</b>	<b>Professional Elective-IV</b> : Object Oriented Analysis & Design Using UML <b>(R204147D)</b> / Intrusion Detection Systems <b>(R204147E)</b> / Cyber Crime Investigation and Digital Forensics <b>(R204146F)</b> <i>(Common to CSE(CS), CS PE-IV, OE-4 &amp; CSE(IOTCSIBCT) PE-IV)</i>	<b>Professional Elective-V</b> : Deep Learning <b>(R204147F)</b> / Quantum Computing <b>(R204147G)</b> / Dev Ops <b>(R204147H)</b> / Mobile and Wireless Security <b>(R204147P)</b>	<b>Open Elective-III</b> : Sensors and Actuator Devices for IoT <b>(R204147J)</b> / Cryptography and Network Security <b>(R204146O)</b>	<b>Open Elective-IV</b> : Multimedia And Rich Internet Applications (Job Oriented Course) <b>(R204146P)</b> / Distributed Computing <b>(R204147M)</b>	Social Network And Semantic Web (Job Oriented Course) <b>(R204105F)</b> <i>(Common to CSE, PE-IV &amp; CSE(IOTCSIBCT) OE-3) / Data Science <b>(R204146B)</b> (Common to PE-III &amp; OE-3 CSE(CS), CSE(IOTCSIBCT), CSE(IoT) / Big Data Analytics for IoT <b>(R204147I)</b> <i>(Common to CSE(IoT) PE-IV &amp; CSE(IOTCSIBCT), CSE(IoT) OE-3)</i></i>	Mean Stack Technologies <b>(R204146H)</b> <i>(Common to CSE(IoT), CSE(CS), CSE(IOTCSIBCT) PE-IV &amp; CSE(IoT) OE-4) / Malware Analysis &amp; Reverse Engineering <b>(R204146I)</b> <i>(Common to CSE(CS), CSE(IOTCSIBCT) PE-IV &amp; CSE(CS) OE-4) / Machine Learning <b>(R204146Q)</b> (Common to CSE(IOTCSIBCT) PE-V &amp; CSE(CS), CSE(IOTCSIBCT), CSE(IoT) OE-4) / Programming and Interfacing with Microcontrollers <b>(R204147K)</b> (Common to CSE(IoT) PE-III &amp; CSE(IOTCSIBCT), CSE(IoT) OE-4) / Block Chain Technologies <b>(R204147L)</b> <i>(Common to CSE(IoT) PE-III &amp; CSE(IOTCSIBCT), CSE(IoT) OE-4)</i></i></i>



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Branch	DATE & DAY							
	04-12-2023 (Monday)	05-12-2023 (Tuesday)	06-12-2023 (Wednesday)	07-12-2023 (Thursday)	08-12-2023 (Friday)	11-12-2023 (Monday)	12-12-2023 (Tuesday)	13-12-2023 (Wednesday)
<b>CSE (Internet of Things) (49)</b>	Universal Human Values-2: Understanding Harmony <b>(R2041011)</b> <i>(Common to CE, EEE, ME, ECE, CSE, IT, AME, MiE, AgriE, CSE(AIML), CSE(AI), CSE(DS), CSE(AIDS), CSE(CS), CSE(IOTCSIBCT), CSE(IOT), FE, AIDS, CS, AIML, CSD)</i>	<b>Professional Elective-III</b> : Mobile Computing <b>(R204149A)</b> / No SQL Databases <b>(R204147B)</b> / Privacy and Security in IOT <b>(R204147C)</b>	<b>Professional Elective-IV</b> : Fog Computing <b>(R204149B)</b>	<b>Professional Elective-V</b> : Deep Learning <b>(R204147F)</b> / Wearable Computing <b>(R204149C)</b> / Dev Ops <b>(R204147H)</b> / Software Testing Methodologies <b>(R204149I)</b>	<b>Open Elective-III</b> : Middleware Technologies (Job Oriented Course) <b>(R204149D)</b> / Sensors and Actuator Devices for IoT <b>(R204147J)</b> / Embedded System Design <b>(R204149E)</b>	<b>Open Elective-IV</b> : Multimedia And Rich Internet Applications <b>(R204146P)</b> / Cryptography and Network Security <b>(R204149J)</b>	Data Science <b>(R204146B)</b> (Common to PE-III & OE-3 CSE(CS), CSE(IOTCSIBCT), CSE(IoT) /Big Data Analytics for IoT <b>(R204147I)</b> (Common to CSE(IoT) PE-IV & CSE(IOTCSIBCT), CSE(IoT) OE-3) / Cloud Computing <b>(R204146G)</b> (Common to CSE(CS) PE-IV, OE-3 & CSE(IoT) PE-IV)	Mean Stack Technologies <b>(R204146H)</b> (Common to CSE(IoT), CSE(CS), CSE(IOTCSIBCT) PE-IV & CSE(IoT) OE-4) / Machine Learning <b>(R204146Q)</b> (Common to CSE(IOTCSIBCT) PE-V & CSE(CS), CSE(IOTCSIBCT), CSE(IoT) OE-4) / Programming and Interfacing with Microcontrollers <b>(R204147K)</b> (Common to CSE(IoT) PE-III & CSE(IOTCSIBCT), CSE(IoT) OE-4) / Block Chain Technologies <b>(R204147L)</b> (Common to CSE(IoT) PE-III & CSE(IOTCSIBCT), CSE(IoT) OE-4)
<b>FOOD ENGINEERING (51)</b>	Universal Human Values-2: Understanding Harmony <b>(R2041011)</b> <i>(Common to CE, EEE, ME, ECE, CSE, IT, AME, MiE, AgriE, CSE(AIML), CSE(AI), CSE(DS), CSE(AIDS), CSE(CS), CSE(IOTCSIBCT), CSE(IOT), FE, AIDS, CS, AIML, CSD)</i>	<b>Professional Elective-III</b> : Advances in Drying and Dehydration <b>(R204151A)</b> / Process Kinetics in Food Engineering <b>(R204151B)</b> / Non-Thermal Operations in Food Processing <b>(R204151C)</b>	<b>Professional Elective-IV</b> : Food Process Equipment Design <b>(R204151D)</b> / Sensors in Food Processing <b>(R204151E)</b> / New Product Development <b>(R204151F)</b>	<b>Professional Elective-V</b> : Entrepreneurship in Food Industries <b>(R204151G)</b> / Food Supply Chain Management <b>(R204151H)</b> / Food Business Management and Economics <b>(R204151I)</b>	<b>Open Elective-III</b> : Food Sanitation, Management and Hygiene <b>(R204151J)</b> / Energy Conservation and Audit <b>(R204151K)</b> / Food Waste Management <b>(R204151L)</b>	<b>Open Elective-IV</b> : Food Refrigeration and Cold Chain <b>(R204151M)</b> / Food Plant Operations and Maintenance <b>(R204151N)</b> / ICT Applications in Food Processing <b>(R204151O)</b> / SWAYAM / NPTEL /MOOCS COURSES (12 weeks duration) <b>(R204151P)</b>	.....	.....



**JAWAHARLAL NEHRU TECHNOLOGICAL UNIVERSITY KAKINADA**  
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**IV B.TECH - I SEMESTER (R20) II MID & ONLINE QUIZ EXAMINATIONS, DECEMBER - 2023**

**TIME TABLE**

TIME : 10.00 AM TO 12.00 NOON

Branch	DATE & DAY							
	04-12-2023 (Monday)	05-12-2023 (Tuesday)	06-12-2023 (Wednesday)	07-12-2023 (Thursday)	08-12-2023 (Friday)	11-12-2023 (Monday)	12-12-2023 (Tuesday)	13-12-2023 (Wednesday)
<b>ARTIFICIAL INTELLIGENCE AND DATA SCIENCE (54)</b>	<p>Universal Human Values-2: Understanding Harmony (R2041011) (Common to CE, EEE, ME, ECE, CSE, IT, AME, MiE, AgriE, CSE(AIML), CSE(AI), CSE(DS), CSE(AIDS), CSE(CS), CSE(IOTCSIBCT), CSE(IOT), FE, AIDS, CS, AIML, CSD)</p>	<p><b>Professional Elective-III</b> : Reinforcement Learning (R204142A)/ Nature Inspired Computing Techniques (R204144A)/ Social Media Analytics (R204144B)/ Block Chain Technologies (R204142P) (Common to CSE(AIML), CSE(AI), CSE(DS), CSE(AIDS), AIDS, AIML, CSD)</p>	<p><b>Professional Elective-IV</b> : Computer Vision (R204105G) (Common to CSE, CSE(AIDS), AIDS, CSD)/ Information Retrieval Systems (R204144D)/ NOSQL Databases (R204142F) / Cloud Computing (R204142O) (Common to CSE(AIML), CSE(AI), CSE(DS), CSE(AIDS), AIDS, AIML, CSD)</p>	<p><b>Professional Elective-V</b> : Recommender Systems (R204142H)/ AI Chatbots (R204142I)/ Data Visualization (R204144E)/ Social Networks Analysis (R204142Q) (Common to CSE(AIML), CSE(AI), CSE(DS), CSE(AIDS), AIDS, AIML, CSD)</p>	<p><b>Open Elective-III</b> : API and Microservices (Job Oriented Course) (R204105M)/ AI Tools &amp; Techniques (R204105N)/ Image Processing (R204105O)/ Information Security (R204105P)/ Mobile Application Development (R204105Q)/ Cyber Security (R204105S)/ Introduction to Internet of Things (R204105T) (Common to OE-III as CSE, IT, CSE(AIML), CSE(AI), CSE(DS), CSE(AIDS), AIDS, AIML, CSD)</p>	<p><b>Open Elective-IV</b> : Secure Coding Techniques (Job Oriented Course) (R204105U)/ Block Chain Technologies (R204105X)/ Introduction to Machine Learning (R204105Z)/ Machine Learning with Python (R2041051) (Common to OE-IV as CSE, IT, CSE(AIML), CSE(AI), CSE(DS), CSE(AIDS), AIDS, AIML, CSD)</p>	<p>Data Science (R204105R) (Common to EEE PE-V &amp; CSE, IT, CSE(AIML), CSE(AI), CSE(DS), CSE(AIDS), AIDS, AIML, CSD OE-3)</p>	<p>Deep Learning Techniques (R204105E) (Common to EEE, CSE, IT, PE-IV &amp; CSE, IT, CSE(AIML), CSE(AI), CSE(DS), CSE(AIDS), AIDS, AIML, CSD OE-4) / MEAN Stack Technologies (R204105V) / Cloud Computing with AWS (R204105W) (Common to EEE PE-IV &amp; CSE, IT, CSE(AIML), CSE(AI), CSE(DS), CSE(AIDS), AIDS, AIML, CSD OE-4) / Cryptography and Network Security (R204105Y) (Common to CSE(AIML), CSE(AI), AIML, CSD PE-III &amp; CSE, IT, CSE(AIML), CSE(AI), CSE(DS), CSE(AIDS), AIDS, AIML, CSD OE-4)</p>
<b>PHARMACEUTICAL ENGINEERING (55)</b>	<p>Industrial Pharmacy (R204155A)</p>	<p><b>Professional Elective-III</b> : Bio Medical Instrumentation (R204155B)/ Pharmaceutical product development (R204155C)/ Industrial Process Control (R204155D)</p>	<p><b>Professional Elective-IV</b> : Pharmaceutical Packaging Technology (R204155E)/ Introduction to Biomaterials and Tissue Engineering (R204155F)/ Good Manufacturing Practices (R204155G)</p>	.....	<p><b>Open Elective-III</b> : Robotics (R204155H)/ Synthesis And Characterization of Nano Materials (R204155I)/ Industrial Psychology and Human Resource Management (R204155J)</p>	<p><b>Open Elective-IV</b> : Principles of mechanical measurements (R204155K)/ Artificial Intelligence &amp; Machine Learning (R204155L)/ Bioinformatics (R204155M)</p>	.....	.....



**JAWAHARLAL NEHRU TECHNOLOGICAL UNIVERSITY KAKINADA**  
UNIVERSITY EXAMINATION CENTER, KAKINADA

**IV B.TECH - I SEMESTER (R20) II MID & ONLINE QUIZ EXAMINATIONS, DECEMBER - 2023**

**TIME TABLE**

**TIME : 10.00 AM TO 12.00 NOON**

Branch	DATE & DAY							
	04-12-2023 (Monday)	05-12-2023 (Tuesday)	06-12-2023 (Wednesday)	07-12-2023 (Thursday)	08-12-2023 (Friday)	11-12-2023 (Monday)	12-12-2023 (Tuesday)	13-12-2023 (Wednesday)
<b>CYBER SECURITY (59)</b>	Universal Human Values-2: Understanding Harmony <b>(R2041011)</b> <i>(Common to CE, EEE, ME, ECE, CSE, IT, AME, MiE, AgriE, CSE(AIML), CSE(AI), CSE(DS), CSE(AIDS), CSE(CS), CSE(IOTCSIBCT), CSE(IOT), FE, AIDS, CS, AIML, CSD)</i>	<b>Professional Elective-III : Internet Of Things (R204146A)/ Information Coding Techniques (R204146D) / Mobile and Wireless Security (R204146E)</b> <i>(Common to CSE(CS), CS)</i>	<b>Professional Elective-IV : Ad-hoc and Sensor Networks (R204146R) / Big Data Analytics (R204142E)</b> <i>(Common to CSE(AIML), CSE(AI), AIML, PE-IV &amp; CSE(CS), CS PE-V &amp; OE-3) / Cyber Crime Investigation and Digital Forensics (R204146F)</i> <i>(Common to CSE(CS), CS PE-IV, OE-4 &amp; CSE(IOTCSIBCT) PE-IV)</i>	<b>Professional Elective-V : Cyber Laws and Security Policies (R204146J)/ Intrusion Detection and Prevention System (R204146K)/ Data Privacy (R204146L)/ Ethical Hacking (R204146M)</b>	<b>Open Elective-III : DevOps (Job Oriented Course) (R204146N)/ Cryptography and Network Security (R204146O)</b>	<b>Open Elective-IV : Multimedia And Rich Internet Applications (Job Oriented Course) (R204146P)</b>	Data Science <b>(R204146B)</b> <i>(Common to PE-III &amp; OE-3 CSE(CS), CSE(IOTCSIBCT), CSE(IoT) CS) / Cloud Computing (R204146G)</i> <i>(Common to CSE(CS) PE-IV, OE-3 &amp; CSE(IoT) PE-IV)</i>	Distributed Systems <b>(R204146C)</b> <i>(Common to CSE(CS), CS PE-III &amp; OE-4) / Mean Stack Technologies (R204146H)</i> <i>(Common to CSE(IoT), CSE(CS), CSE(IOTCSIBCT) PE-IV &amp; CSE(IoT) OE-4) / Malware Analysis &amp; Reverse Engineering (R204146I)</i> <i>(Common to CSE(CS), CSE(IOTCSIBCT) PE-IV &amp; CSE(CS) OE-4) / Machine Learning (R204146Q)</i> <i>(Common to CSE(IOTCSIBCT) PE-V &amp; CSE(CS), CSE(IOTCSIBCT), CSE(IoT) OE-4)</i>
<b>ARTIFICIAL INTELLIGENCE AND MACHINE LEARNING (61)</b>	Universal Human Values-2: Understanding Harmony <b>(R2041011)</b> <i>(Common to CE, EEE, ME, ECE, CSE, IT, AME, MiE, AgriE, CSE(AIML), CSE(AI), CSE(DS), CSE(AIDS), CSE(CS), CSE(IOTCSIBCT), CSE(IOT), FE, AIDS, CS, AIML, CSD)</i>	<b>Professional Elective-III : Reinforcement Learning (R204142A)/ Soft Computing (R204142B)/ Speech Processing (R204142C) / Block Chain Technologies (R204142P)</b> <i>(Common to CSE(AIML), CSE(AI), CSE(DS), CSE(AIDS), AIDS, AIML, CSD)</i>	<b>Professional Elective-IV : Robotic Process Automation (R204142D)/ Big Data Analytics (R204142E)</b> <i>(Common to CSE(AIML), CSE(AI), AIML, PE-IV &amp; CSE(CS), CS PE-V &amp; OE-3) / NOSQL Databases (R204142F) / Video Analytics (R204142G) / Cloud Computing (R204142O)</i> <i>(Common to CSE(AIML), CSE(AI), CSE(DS), CSE(AIDS), AIDS, AIML, CSD)</i>	<b>Professional Elective-V : Recommender Systems (R204142H)/ AI Chatbots (R204142I) / Object Oriented Analysis and Design (R204142J) / Semantic Web (R204142K) / Social Networks Analysis (R204142Q)</b> <i>(Common to CSE(AIML), CSE(AI), CSE(DS), CSE(AIDS), AIDS, AIML, CSD)</i>	<b>Open Elective-III : API and Microservices (Job Oriented Course) (R204105M) / AI Tools &amp; Techniques (R204105N) / Image Processing (R204105O) / Information Security (R204105P) / Mobile Application Development (R204105Q) / Cyber Security (R204105S) / Introduction to Internet of Things (R204105T)</b> <i>(Common to OE-III as CSE, IT, CSE(AIML), CSE(AI), CSE(DS), CSE(AIDS), AIDS, AIML, CSD)</i>	<b>Open Elective-IV : Secure Coding Techniques (Job Oriented Course) (R204105U) / Block Chain Technologies (R204105X) / Introduction to Machine Learning (R204105Z) / Machine Learning with Python (R2041051)</b> <i>(Common to OE-IV as CSE, IT, CSE(AIML), CSE(AI), CSE(DS), CSE(AIDS), AIDS, AIML, CSD)</i>	Data Science <b>(R204105R)</b> <i>(Common to EEE PE-V &amp; CSE, IT, CSE(AIML), CSE(AI), CSE(DS), CSE(AIDS), AIDS, AIML, CSD OE-3)</i>	Deep Learning Techniques <b>(R204105E)</b> <i>(Common to EEE, CSE, IT, PE-IV &amp; CSE, IT, CSE(AIML), CSE(AI), CSE(DS), CSE(AIDS), AIDS, AIML, CSD OE-4) / MEAN Stack Technologies (R204105V) / Cloud Computing with AWS (R204105W)</i> <i>(Common to EEE PE-IV &amp; CSE, IT, CSE(AIML), CSE(AI), CSE(DS), CSE(AIDS), AIDS, AIML, CSD OE-4) / Cryptography and Network Security (R204105Y)</i> <i>(Common to CSE(AIML), CSE(AI), AIML, CSD PE-III &amp; CSE, IT, CSE(AIML), CSE(AI), CSE(DS), CSE(AIDS), AIDS, AIML, CSD OE-4)</i>





**JAWAHARLAL NEHRU TECHNOLOGICAL UNIVERSITY KAKINADA**  
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**IV B.TECH - I SEMESTER (R20) II MID & ONLINE QUIZ EXAMINATIONS, DECEMBER - 2023**

**T I M E T A B L E**

**TIME : 10.00 AM TO 12.00 NOON**

Branch	DATE & DAY							
	04-12-2023 (Monday)	05-12-2023 (Tuesday)	06-12-2023 (Wednesday)	07-12-2023 (Thursday)	08-12-2023 (Friday)	11-12-2023 (Monday)	12-12-2023 (Tuesday)	13-12-2023 (Wednesday)
<b>COMPUTER SCIENCE AND DESIGN (62)</b>	Universal Human Values-2: Understanding Harmony <b>(R2041011)</b> <i>(Common to CE, EEE, ME, ECE, CSE, IT, AME, MiE, AgriE, CSE(AIML), CSE(AI), CSE(DS), CSE(AIDS), CSE(CS), CSE(IOTCSIBCT), CSE(IOT), FE, AIDS, CS, AIML, CSD)</i>	<b>Professional Elective-III</b> : Reinforcement Learning <b>(R204142A)</b> / Nature Inspired Computing Techniques <b>(R204144A)</b> / Block Chain Technologies <b>(R204142P)</b> <i>(Common to CSE(AIML), CSE(AI), CSE(DS), CSE(AIDS), AIDS, AIML, CSD)</i>	<b>Professional Elective-IV</b> : Robotic Process Automation <b>(R204142D)</b> / Computer Vision <b>(R204105G)</b> <i>(Common to CSE, CSE(AIDS), AIDS, CSD)</i> / NOSQL Databases <b>(R204142F)</b> / Cloud Computing <b>(R204142O)</b> <i>(Common to CSE(AIML), CSE(AI), CSE(DS), CSE(AIDS), AIDS, AIML, CSD)</i>	<b>Professional Elective-V</b> : Recommender Systems <b>(R204142H)</b> / AI Chatbots <b>(R204142I)</b> / Data Visualization <b>(R204144E)</b> / Social Networks Analysis <b>(R204142Q)</b> <i>(Common to CSE(AIML), CSE(AI), CSE(DS), CSE(AIDS), AIDS, AIML, CSD)</i>	<b>Open Elective-III</b> : API and Microservices (Job Oriented Course) <b>(R204105M)</b> / AI Tools & Techniques <b>(R204105N)</b> / Image Processing <b>(R204105O)</b> / Information Security <b>(R204105P)</b> / Mobile Application Development <b>(R204105Q)</b> / Cyber Security <b>(R204105S)</b> / Introduction to Internet of Things <b>(R204105T)</b> <i>(Common to OE-III as CSE, IT, CSE(AIML), CSE(AI), CSE(DS), CSE(AIDS), AIDS, AIML, CSD)</i>	<b>Open Elective-IV</b> : Secure Coding Techniques (Job Oriented Course) <b>(R204105U)</b> / Block Chain Technologies <b>(R204105X)</b> / Introduction to Machine Learning <b>(R204105Z)</b> / Machine Learning with Python <b>(R2041051)</b> <i>(Common to OE-IV as CSE, IT, CSE(AIML), CSE(AI), CSE(DS), CSE(AIDS), AIDS, AIML, CSD)</i>	Data Science <b>(R204105R)</b> <i>(Common to EEE PE-V &amp; CSE, IT, CSE(AIML), CSE(AI), CSE(DS), CSE(AIDS), AIDS, AIML, CSD OE-3)</i>	Deep Learning Techniques <b>(R204105E)</b> <i>(Common to EEE, CSE, IT, PE-IV &amp; CSE, IT, CSE(AIML), CSE(AI), CSE(DS), CSE(AIDS), AIDS, AIML, CSD OE-4)</i> / MEAN Stack Technologies <b>(R204105V)</b> / Cloud Computing with AWS <b>(R204105W)</b> <i>(Common to EEE PE-IV &amp; CSE, IT, CSE(AIML), CSE(AI), CSE(DS), CSE(AIDS), AIDS, AIML, CSD OE-4)</i> / Cryptography and Network Security <b>(R204105Y)</b> <i>(Common to CSE(AIML), CSE(AI), AIML, CSD PE-III &amp; CSE, IT, CSE(AIML), CSE(AI), CSE(DS), CSE(AIDS), AIDS, AIML, CSD OE-4)</i>

**NOTE:**

- i) ANY OMISSIONS OR CLASHES IN THIS TIME TABLE MAY PLEASE BE INFORMED TO THE CONTROLLER OF EXAMINATIONS, IMMEDIATELY.
- ii) EVEN IF GOVERNMENT DECLARES HOLIDAY ON ANY OF THE ABOVE DATES, THE EXAMINATIONS SHALL BE CONDUCTED AS USUAL.
- iii) THE PRINCIPALS ARE REQUESTED TO INFORM THE UNIVERSITY ANY OTHER SUBSTITUTE SUBJECTS THAT ARE NOT INCLUDED IN THE ABOVE LIST IMMEDIATELY.

DATE: 24-11-2023

Controller of Examinations (UG)



**I B.TECH I SEMESTER (R23)**

**JAWAHARLAL NEHRU TECHNOLOGICAL UNIVERSITY KAKINADA**  
UNIVERSITY EXAMINATION CENTER, KAKINADA

**I B.TECH II SEMESTER (R23 REGULATION) I MID & ONLINE QUIZ EXAMINATIONS, MARCH/APRIL-2024**

**TIME TABLE**

**TIME: 10.00 AM TO 12.00 NOON**

<b>DATE &amp; DAY</b>	<b>26-03-2024 (Tuesday)</b>	<b>27-03-2024 (Wednesday)</b>	<b>28-03-2024 (Thursday)</b>	<b>30-03-2024 (Saturday)</b>	<b>01-04-2024 (Monday)</b>
<b>Branch &amp; Subjects</b>	Engineering Physics <b>R231201</b> (Common to EEE, CSE, Ph.E)  Communicative English <b>R231207</b> (Common to CE, ME, ECE, IT, AME, Mining, Agri E, CSE- Allied)	Differential Equations & Vector Calculus <b>R231202</b> (Common to All Branches)	Basic Electrical and Electronics Engineering <b>R231203</b> (Common to EEE, CSE, Ph.E)  Basic Civil & Mechanical Engineering <b>R231211</b> (Common to CE, ME, ECE, IT, AME, Mining, Agri E, CSE- Allied)	Data Structures ( <b>R231205</b> ) (Common to CSE, IT, CSE-Allied)  Electrical Circuit Analysis – I ( <b>R231206</b> ) (Only for EEE)  Introduction To Mining Geology <b>(R231210)</b> (Only for Mining)  Engineering Mechanics ( <b>R231212</b> ) (Common to CE, ME)  Network Analysis ( <b>R231213</b> ) (Only for ECE)  Fluid Mechanics And Mechanical Unit Operations ( <b>R231214</b> ) (Only for Ph.E)  Engineering Mechanics ( <b>R231215</b> ) (Only for AME)  Principles Of Soil Science And Agronomy <b>(R231216)</b> (Only for Agri E)	Engineering Graphics <b>R231204</b> (Common to EEE, CSE, Ph.E)  Engineering Chemistry <b>R231208</b> (Common to CE, ME, AME, Mining, Agri E)  Chemistry <b>R231209</b> (Common to ECE, IT, CSE-Allied)

**NOTE:**

- i. ANY OMISSIONS OR CLASHES IN THIS TIME TABLE MAY PLEASE BE INFORMED TO THE CONTROLLER OF EXAMINATIONS IMMEDIATELY.
- ii. EVEN IF GOVERNMENT DECLARES HOLIDAY ON ANY OF THE ABOVE DATES, THE EXAMINATIONS SHALL BE CONDUCTED AS USUAL.
- iii. THE PRINCIPALS ARE REQUESTED TO INFORM THE UNIVERSITY ANY OTHER SUBSTITUTE SUBJECTS THAT ARE NOT INCLUDED IN THE ABOVE TIME TABLE IMMEDIATELY.

**Date: 15-03-2024**

**Controller of Examinations (UG)**



**JAWAHARLAL NEHRU TECHNOLOGICAL UNIVERSITY KAKINADA**

UNIVERSITY EXAMINATION CENTER, KAKINADA

**II B.TECH II SEMESTER (R20 REGULATION) I MID & ONLINE QUIZ EXAMINATIONS, FEBRUARY - 2024**

**TIME TABLE**

**TIME: 10.00 AM TO 12.00 NOON**

BRANCH	DAY AND DATE				
	19-02-2024 (Monday)	20-02-2024 (Tuesday)	21-02-2024 (Wednesday)	22-02-2024 (Thursday)	23-02-2024 (Friday)
<b>CIVIL ENGINEERING (01-CE)</b>	Complex Variables and Statistical Methods <b>R2022011</b> (Comm to CE,ME,AME,MM)	Strength of Materials -II <b>R2022012</b>	Hydraulics and Hydraulic Machinery <b>R2022013</b>	Environmental Engineering <b>R2022014</b>	Managerial Economics & Financial Analysis <b>R2022015</b> (Comm to CE,EEE,EIE,ECT,AGE,FE)
<b>ELECTRICAL AND ELECTRONICS ENGINEERING (02-EEE)</b>	Python Programming <b>R2022021</b> (Common to EEE, FE)	Digital Electronics <b>R2022022</b>	Power System-I <b>R2022023</b>	Induction and Synchronous Machines <b>R2022024</b>	Managerial Economics & Financial Analysis <b>R2022015</b> (Comm to CE,EEE,EIE,ECT,AGE,FE)
<b>MECHANICAL ENGINEERING (03-ME)</b>	Complex Variables and Statistical Methods <b>R2022011</b> (Comm to CE,ME,AME,MM)	Material Science & Metallurgy <b>R2022031</b>	Dynamics of Machinery <b>R2022032</b>	Thermal Engineering-I <b>R2022033</b>	Industrial Engineering and Management <b>R2022034</b>
<b>ELECTRONICS &amp; COMMUNICATION ENGINEERING (04-ECE)</b>	Electronic Circuit Analysis <b>R2022041</b> (Comm to ECE,EIE,ECT)	Digital IC Design <b>R2022042</b>	Analog Communications <b>R2022043</b> (Common to ECE,ECT)	Linear Control Systems <b>R2022044</b> (Common to ECE,EIE)	Management and Organizational Behavior <b>R2022045</b> (Common to ECE, PE)
<b>COMPUTER SCIENCE &amp; ENGINEERING (05-CSE)</b>	Probability and Statistics <b>R2022051</b> (Common to CSE,CST,CSE(AIML),CSE(AI),CSE(DS),CSE(AIDS),CSE(CS),CSE(IOTCSIBCT),CSE(CSBS),CSE(IOT),AIDS,IoT,AIML,CSD)	Database Management Systems <b>R2022052</b> (Common to CSE,CST,CSE(CS),CSE(IOTCSIBCT),CSE(CSBS),CSE(IOT),IOT)	Formal Languages and Automata Theory <b>R2022053</b> (Common to CSE,CST,CSE(AIML),CSE(AI),CSE(DS),CSE(AIDS),CSE(CS),CSE(IOTCSIBCT),CSE(IOT),AIDS,AIML,IOT)	Java Programming <b>R2022054</b> (Common to CSE,IT,CSE(CSBS),CS)	Managerial Economics and Financial Accountancy <b>R2022055</b> (Common to CSE,CST,IT,MM,CSE(AIML),CSE(AI),CSE(DS),CSE(AIDS),CSE(CS),CSE(IOTCSIBCT),CSE(IOT),AIDS,IOT,AIML,CSD)



**JAWAHARLAL NEHRU TECHNOLOGICAL UNIVERSITY KAKINADA**

UNIVERSITY EXAMINATION CENTER, KAKINADA

**II B.TECH II SEMESTER (R20 REGULATION) I MID & ONLINE QUIZ EXAMINATIONS, FEBRUARY - 2024**

**TIME TABLE**

**TIME: 10.00 AM TO 12.00 NOON**

BRANCH	DAY AND DATE				
	19-02-2024 (Monday)	20-02-2024 (Tuesday)	21-02-2024 (Wednesday)	22-02-2024 (Thursday)	23-02-2024 (Friday)
<b>COMPUTER SCIENCE &amp; TECHNOLOGY (06)</b>	Probability and Statistics <b>R2022051</b> (Common to CSE,CST,CSE(AIML),CSE(AD),CSE(DS),CSE(AIDS),CSE(CS),CSE(IOTCSIBCT),CSE(CSBS),CSE(IOT),AIDS,IoT,AIML,CSD)	Database Management Systems <b>R2022052</b> (Common to CSE,CST,CSE(CS),CSE(IOTCSIBCT),CSE(CSBS),CSE(IOT), IOT)	Formal Languages and Automata Theory <b>R2022053</b> (Common to CSE,CST,CSE(AIML),CSE(AD),CSE(DS),CSE(AIDS),CSE(CS),CSE(IOTCSIBCT),CSE(IOT),AIDS,AIML,IOT)	Computer Organization & Architecture <b>R2022061</b> (Common to CST, CSE(CS), CSE(IOTCSIBCT), CSE(IOT),IOT)	Managerial Economics and Financial Accountancy <b>R2022055</b> (Common to CSE,CST,IT,MM,CSE(AIML),CSE(AI),CSE(DS),CSE(AIDS),CSE(CS),CSE(IOTCSIBCT),CSE(IOT),AIDS,IOT,AIML,CSD)
<b>ELECTRONICS AND INSTRUMENTATION ENGINEERING (10-EIE)</b>	Electronic Circuit Analysis <b>R2022041</b> (Comm to ECE,EIE,ECT)	Microprocessor and Microcontrollers <b>R2022101</b>	Integrated Circuits and applications <b>R2022102</b>	Linear Control Systems <b>R2022044</b> (Common to ECE,EIE)	Managerial Economics & Financial Analysis <b>R2022015</b> (Comm to CE,EEE,EIE,ECT,AGE,FE)
<b>INFORMATION TECHNOLOGY (12-IT)</b>	Statistics with R <b>R2022121</b>	Principles of Software Engineering <b>R2022122</b>	Automata Theory and Compiler Design <b>R2022123</b>	Java Programming <b>R2022054</b> (Common to CSE,IT,CSE(CSBS),CS)	Managerial Economics and Financial Accountancy <b>R2022055</b> (Common to CSE,CST,IT,MM,CSE(AIML),CSE(AI),CSE(DS),CSE(AIDS),CSE(CS),CSE(IOTCSIBCT),CSE(IOT),AIDS,IOT,AIML,CSD)
<b>ELECTRONICS &amp; COMMUNICATION TECHNOLOGY (14)</b>	Electronic Circuit Analysis <b>R2022041</b> (Comm to ECE,EIE,ECT)	Computer Architecture and Organization <b>R2022141</b>	Analog Communications <b>R2022043</b> (Common to ECE,ECT)	Electromagnetic Waves and Transmission Lines <b>R2022142</b>	Managerial Economics & Financial Analysis <b>R2022015</b> (Comm to CE,EEE,EIE,ECT,AGE,FE)
<b>AUTO MOBILE ENGINEERING (24-AME)</b>	Complex Variables and Statistical Methods <b>R2022011</b> (Comm to CE,ME,AME,MM)	Applied Thermodynamics <b>R2022241</b>	Automobile Engines <b>R2022242</b>	Automobile Electrical and Electronics <b>R2022243</b>	Operations Research <b>R2022244</b>



**JAWAHARLAL NEHRU TECHNOLOGICAL UNIVERSITY KAKINADA**

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**II B.TECH II SEMESTER (R20 REGULATION) I MID & ONLINE QUIZ EXAMINATIONS, FEBRUARY - 2024**

**TIME TABLE**

**TIME: 10.00 AM TO 12.00 NOON**

BRANCH	DAY AND DATE				
	19-02-2024 (Monday)	20-02-2024 (Tuesday)	21-02-2024 (Wednesday)	22-02-2024 (Thursday)	23-02-2024 (Friday)
<b>MINING ENGINEERING (26-MM)</b>	Complex Variables and Statistical Methods <b>R2022011</b> (Comm to CE,ME,AME,MM)	Fluid Mechanics and Hydraulic Power <b>R2022261</b>	Rock Mechanics <b>R2022262</b>	Mine Ventilation <b>R2022263</b>	Managerial Economics and Financial Accountancy <b>R2022055</b> (Common to CSE,CST,IT,MM,CSE(AIML),CSE(AI),CSE(DS),CSE(AIDS),CSE(CS),CSE(IOTCSIBCT),CSE(IOT),AIDS,IOT,AIML,CSD)
<b>PETROLEUM ENGINEERING/PETROLEUM TECHNOLOGY (27-PE)</b>	Mathematics –IV <b>R2022271</b>	Instrumentation, Process Dynamics & Control <b>R2022272</b>	Thermodynamics for Petroleum Engineers <b>R2022273</b>	Drilling & Well Completions <b>R2022274</b>	Management and Organizational Behavior <b>R2022045</b> (Common to ECE, PE)
<b>AGRICULTURAL ENGINEERING (35-AGE)</b>	Heat and Mass Transfer <b>R2022351</b>	Ground Water Hydrology, Well and Pumps <b>R2022352</b>	Theory of Structures <b>R2022353</b>	Soil Mechanics <b>R2022354</b>	Managerial Economics & Financial Analysis <b>R2022015</b> (Comm to CE,EEE,EIE,ECT,AGE,FE)
<b>CSE (Artificial Intelligence and Machine Learning) (42)</b>	Probability and Statistics <b>R2022051</b> (Common to CSE,CST,CSE(AIML),CSE(AI),CSE(DS),CSE(AIDS),CSE(CS),CSE(IOTCSIBCT),CSE(CSBS),CSE(IOT),AIDS,IoT,AIML,CSD)	Computer Organization <b>R2022421</b> (Common to CSE(AIML),CSE(AI),CSE(DS),CSE(AIDS),AIDS,AIML)	Formal Languages and Automata Theory <b>R2022053</b> (Common to CSE,CST,CSE(AIML),CSE(AI),CSE(DS),CSE(AIDS),CSE(CS),CSE(IOTCSIBCT),CSE(IOT),AIDS,AIML,IOT)	Data Warehousing and Mining <b>R2022422</b> (Comm to CSE(AIML),AI,DS,CSE(AIDS),AIDS,IOT,AIML,CSD)	Managerial Economics and Financial Accountancy <b>R2022055</b> (Common to CSE,CST,IT,MM,CSE(AIML),CSE(AI),CSE(DS),CSE(AIDS),CSE(CS),CSE(IOTCSIBCT),CSE(IOT),AIDS,IOT,AIML,CSD)



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**TIME TABLE**

**TIME: 10.00 AM TO 12.00 NOON**

BRANCH	DAY AND DATE				
	19-02-2024 (Monday)	20-02-2024 (Tuesday)	21-02-2024 (Wednesday)	22-02-2024 (Thursday)	23-02-2024 (Friday)
<b>CSE (Artificial Intelligence) (43)</b>	Probability and Statistics <b>R2022051</b> (Common to CSE,CST,CSE(AIML),CSE(AI),CSE(DS),CSE(AIDS),CSE(CS),CSE(IOTCSIBCT),CSE(CSBS),CSE(IOT),AIDS,IoT,AIML,CSD)	Computer Organization <b>R2022421</b> (Common to CSE(AIML),CSE(AI),CSE(DS),CSE(AIDS),AIDS,AIML)	Formal Languages and Automata Theory <b>R2022053</b> (Common to CSE,CST,CSE(AIML),CSE(AI),CSE(DS),CSE(AIDS),CSE(CS),CSE(IOTCSIBCT),CSE(IOT),AIDS,AIML,IOT)	Data Warehousing and Mining <b>R2022422</b> (Comm to CSE(AIML),AI,DS,CSE(AIDS),AIDS,IOTAIML,CSD)	Managerial Economics and Financial Accountancy <b>R2022055</b> (Common to CSE,CST,IT,MM,CSE(AIML),CSE(AI),CSE(DS),CSE(AIDS),CSE(CS),CSE(IOTCSIBCT),CSE(IOT),AIDS,IOT,AIML,CSD)
<b>CSE (Data Science) (44)</b>	Probability and Statistics <b>R2022051</b> (Common to CSE,CST,CSE(AIML),CSE(AI),CSE(DS),CSE(AIDS),CSE(CS),CSE(IOTCSIBCT),CSE(CSBS),CSE(IOT),AIDS,IoT,AIML,CSD)	Computer Organization <b>R2022421</b> (Common to CSE(AIML),CSE(AI),CSE(DS),CSE(AIDS),AIDS,AIML)	Formal Languages and Automata Theory <b>R2022053</b> (Common to CSE,CST,CSE(AIML),CSE(AI),CSE(DS),CSE(AIDS),CSE(CS),CSE(IOTCSIBCT),CSE(IOT),AIDS,AIML,IOT)	Data Warehousing and Mining <b>R2022422</b> (Comm to CSE(AIML),AI,DS,CSE(AIDS),AIDS,IOTAIML,CSD)	Managerial Economics and Financial Accountancy <b>R2022055</b> (Common to CSE,CST,IT,MM,CSE(AIML),CSE(AI),CSE(DS),CSE(AIDS),CSE(CS),CSE(IOTCSIBCT),CSE(IOT),AIDS,IOT,AIML,CSD)
<b>CSE (Artificial Intelligence and Data Science) (45)</b>	Probability and Statistics <b>R2022051</b> (Common to CSE,CST,CSE(AIML),CSE(AI),CSE(DS),CSE(AIDS),CSE(CS),CSE(IOTCSIBCT),CSE(CSBS),CSE(IOT),AIDS,IoT,AIML,CSD)	Computer Organization <b>R2022421</b> (Common to CSE(AIML),CSE(AI),CSE(DS),CSE(AIDS),AIDS,AIML)	Formal Languages and Automata Theory <b>R2022053</b> (Common to CSE,CST,CSE(AIML),CSE(AI),CSE(DS),CSE(AIDS),CSE(CS),CSE(IOTCSIBCT),CSE(IOT),AIDS,AIML,IOT)	Data Warehousing and Mining <b>R2022422</b> (Comm to CSE(AIML),AI,DS,CSE(AIDS),AIDS,IOTAIML,CSD)	Managerial Economics and Financial Accountancy <b>R2022055</b> (Common to CSE,CST,IT,MM,CSE(AIML),CSE(AI),CSE(DS),CSE(AIDS),CSE(CS),CSE(IOTCSIBCT),CSE(IOT),AIDS,IOT,AIML,CSD)



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<b>CSE (Cyber Security) (46)</b>	Probability and Statistics <b>R2022051</b> (Common to CSE,CST,CSE(AIML)CSE(AI),CSE(DS)CSE(AIDS),CSE(CS),CSE(IOTCSIBCT),CSE(CSBS),CSE(IOT),AIDS,IoT,AIML,CSD)	Database Management Systems <b>R2022052</b> (Common to CSE,CST,CSE(CS),CSE(IOTCSIBCT), CSE(CSBS),CSE(IOT), IOT)	Formal Languages and Automata Theory <b>R2022053</b> (Common to CSE,CST,CSE(AIML),CSE(AI),CSE(DS), CSE(AIDS),CSE(CS),CSE(IOTCSIBCT),CSE(IOT),AIDS,AIML,IOT)	Computer Organization & Architecture <b>R2022061</b> (Common to CST, CSE(CS), CSE(IOTCSIBCT), CSE(IOT),IOT)	Managerial Economics and Financial Accountancy <b>R2022055</b> (Common to CSE,CST,IT,MM,CSE(AIML),CSE(AI),CSE(DS),CSE(AIDS),CSE(CS),CSE(IOTCSIBCT),CSE(IOT),AIDS,IOT,AIML,CSD)
<b>CSE (Internet of things and Cyber security including Block chain Technology) (47)</b>	Probability and Statistics <b>R2022051</b> (Common to CSE,CST,CSE(AIML)CSE(AI),CSE(DS)CSE(AIDS),CSE(CS),CSE(IOTCSIBCT),CSE(CSBS),CSE(IOT),AIDS,AIML)	Database Management Systems <b>R2022052</b> (Common to CSE,CST,CSE(CS),CSE(IOTCSIBCT), CSE(CSBS),CSE(IOT), IOT)	Formal Languages and Automata Theory <b>R2022053</b> (Common to CSE,CST,CSE(AIML),CSE(AI),CSE(DS), CSE(AIDS),CSE(CS),CSE(IOTCSIBCT),CSE(IOT),AIDS,AIML,IOT)	Computer Organization & Architecture <b>R2022061</b> (Common to CST, CSE(CS), CSE(IOTCSIBCT), CSE(IOT),IOT)	Managerial Economics and Financial Accountancy <b>R2022055</b> (Common to CSE,CST,IT,MM,CSE(AIML),CSE(AI),CSE(DS),CSE(AIDS),CSE(CS),CSE(IOTCSIBCT),CSE(IOT),AIDS,IOT,AIML,CSD)
<b>CSE (Computer Science and Business System) (48)</b>	Probability and Statistics <b>R2022051</b> (Common to CSE,CST,CSE(AIML)CSE(AI),CSE(DS)CSE(AIDS),CSE(CS),CSE(IOTCSIBCT),CSE(CSBS),CSE(IOT),AIDS,IoT,AIML,CSD)	Database Management Systems <b>R2022052</b> (Common to CSE,CST,CSE(CS),CSE(IOTCSIBCT), CSE(CSBS),CSE(IOT), IOT)	Operating Systems <b>R2022481</b> (Common to CSE(CSBS), CS)	Java Programming <b>R2022054</b> (Common to CSE,IT,CSE(CSBS),CS)	Fundamentals of Economics <b>R2022482</b>
<b>CSE (Internet of Things) (49)</b>	Probability and Statistics <b>R2022051</b> (Common to CSE,CST,CSE(AIML)CSE(AI),CSE(DS)CSE(AIDS),CSE(CS),CSE(IOTCSIBCT),CSE(CSBS),CSE(IOT),AIDS,IoT,AIML,CSD)	Database Management Systems <b>R2022052</b> (Common to CSE,CST,CSE(CS),CSE(IOTCSIBCT),CSE(CSBS),CSE(IOT), IOT)	Formal Languages and Automata Theory <b>R2022053</b> (Common to CSE,CST,CSE(AIML),CSE(AI),CSE(DS),CSE(AIDS),CSE(CS),CSE(IOTCSIBCT),CSE(IOT),AIDS,AIML,IOT)	Computer Organization & Architecture <b>R2022061</b> (Common to CST, CSE(CS), CSE(IOTCSIBCT), CSE(IOT),IOT)	Managerial Economics and Financial Accountancy <b>R2022055</b> (Common to CSE,CST,IT,MM,CSE(AIML),CSE(AI),CSE(DS),CSE(AIDS),CSE(CS),CSE(IOTCSIBCT),CSE(IOT),AIDS,IOT,AIML,CSD)



**JAWAHARLAL NEHRU TECHNOLOGICAL UNIVERSITY KAKINADA**

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**II B.TECH II SEMESTER (R20 REGULATION) I MID & ONLINE QUIZ EXAMINATIONS, FEBRUARY - 2024**

**TIME TABLE**

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BRANCH	DAY AND DATE				
	19-02-2024 (Monday)	20-02-2024 (Tuesday)	21-02-2024 (Wednesday)	22-02-2024 (Thursday)	23-02-2024 (Friday)
<b>FOOD ENGINEERING (51)</b>	Python Programming <b>R2022021</b> (Common to EEE, FE)	Principles of Food Engineering - II <b>R2022511</b>	Food Chemistry <b>R2022512</b>	Processing of Cereals, Pulses and Oilseeds <b>R2022513</b>	Managerial Economics & Financial Analysis <b>R2022015</b>
<b>ARTIFICIAL INTELLIGENCE AND DATA SCIENCE (54)</b>	Probability and Statistics <b>R2022051</b> (Common to CSE,CST,CSE(AIML),CSE(AI),CSE(DS),CSE(AIDS),CSE(CS),CSE(IOTCSIBCT),CSE(CSBS),CSE(IOT),AIDS,IoT,AIML,CSD)	Computer Organization <b>R2022421</b> (Common to CSE(AIML),CSE(AI),CSE(DS),CSE(AIDS),AIDS,AIML)	Formal Languages and Automata Theory <b>R2022053</b> (Common to CSE,CST,CSE(AIML),CSE(AI),CSE(DS),CSE(AIDS),CSE(CS),CSE(IOTCSIBCT),CSE(IOT),AIDS,AIML,IOT)	Data Warehousing and Mining <b>R2022422</b> (Comm to CSE(AIML),AI,DS,CSE(AIDS),AIDS,IOT,AIML,CSD)	Managerial Economics and Financial Accountancy <b>R2022055</b> (Common to CSE,CST,IT,MM,CSE(AIML),CSE(AI),CSE(DS),CSE(AIDS),CSE(CS),CSE(IOTCSIBCT),CSE(IOT),AIDS,IOT,AIML,CSD)
<b>PHARMACEUTICAL ENGINEERING (55)</b>	Heat Transfer for Pharmaceutical Engineers <b>R2022551</b>	Physical Pharmaceutics <b>R2022552</b>	Principles of Microbiology and Biochemistry <b>R2022553</b>	Reaction Engineering for Pharmaceutical Engineers <b>R2022554</b>	Anatomy and Physiology <b>R2022555</b>
<b>CYBER SECURITY (59)</b>	Probability and Statistics <b>R2022051</b> (Common to CSE,CST,CSE(AIML),CSE(AI),CSE(DS),CSE(AIDS),CSE(CS),CSE(IOTCSIBCT),CSE(CSBS),CSE(IOT),AIDS,IoT,AIML,CSD)	Database Management Systems <b>R2022052</b> (Common to CSE,CST,CSE(CS),CSE(IOTCSIBCT),CSE(CSBS),CSE(IOT), IOT)	Formal Languages and Automata Theory <b>R2022053</b> (Common to CSE,CST,CSE(AIML),CSE(AI),CSE(DS),CSE(AIDS),CSE(CS),CSE(IOTCSIBCT),CSE(IOT),AIDS,AIML,IOT)	Computer Organization & Architecture <b>R2022061</b> (Common to CST, CSE(CS), CSE(IOTCSIBCT), CSE(IOT),IOT)	Managerial Economics and Financial Accountancy <b>R2022055</b> (Common to CSE,CST,IT,MM,CSE(AIML),CSE(AI),CSE(DS),CSE(AIDS),CSE(CS),CSE(IOTCSIBCT),CSE(IOT),AIDS,IOT,AIML,CSD)
<b>INTERNET OF THINGS (60)</b>	Probability and Statistics <b>R2022051</b> (Common to CSE,CST,CSE(AIML),CSE(AI),CSE(DS),CSE(AIDS),CSE(CS),CSE(IOTCSIBCT),CSE(CSBS),CSE(IOT),AIDS,IoT,AIML,CSD)	Database Management Systems <b>R2022052</b> (Common to CSE,CST,CSE(CS),CSE(IOTCSIBCT),CSE(CSBS),CSE(IOT), IOT)	Formal Languages and Automata Theory <b>R2022053</b> (Common to CSE,CST,CSE(AIML),CSE(AI),CSE(DS),CSE(AIDS),CSE(CS),CSE(IOTCSIBCT),CSE(IOT),AIDS,AIML,IOT)	Computer Organization & Architecture <b>R2022061</b> (Common to CST, CSE(CS), CSE(IOTCSIBCT), CSE(IOT),IOT)	Managerial Economics and Financial Accountancy <b>R2022055</b> (Common to CSE,CST,IT,MM,CSE(AIML),CSE(AI),CSE(DS),CSE(AIDS),CSE(CS),CSE(IOTCSIBCT),CSE(IOT),AIDS,IOT,AIML,CSD)





II B.TECH II SEMESTER (R20)

# JAWAHARLAL NEHRU TECHNOLOGICAL UNIVERSITY KAKINADA

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## II B.TECH II SEMESTER (R20 REGULATION) I MID & ONLINE QUIZ EXAMINATIONS, FEBRUARY - 2024

### TIME TABLE

TIME: 10.00 AM TO 12.00 NOON

BRANCH	DAY AND DATE				
	19-02-2024 (Monday)	20-02-2024 (Tuesday)	21-02-2024 (Wednesday)	22-02-2024 (Thursday)	23-02-2024 (Friday)
<b>ARTIFICIAL INTELLIGENCE AND MACHINE LEARNING (61)</b>	Probability and Statistics <b>R2022051</b> (Common to CSE,CST,CSE(AIML),CSE(AI),CSE(DS),CSE(AIDS),CSE(CS),CSE(IOTCSIBCT),CSE(CSBS),CSE(IOT),AIDS,IoT,AIML,CSD)	Computer Organization <b>R2022421</b> (Common to CSE(AIML),CSE(AI),CSE(DS),CSE(AIDS),AIDS,AIML)	Formal Languages and Automata Theory <b>R2022053</b> (Common to CSE,CST,CSE(AIML),CSE(AI),CSE(DS),CSE(AIDS),CSE(CS),CSE(IOTCSIBCT),CSE(IOT),AIDS,AIML,IOT)	Data Warehousing and Mining <b>R2022422</b> (Comm to CSE(AIML),AIDS,CSE(AIDS),AIDS,IOTAIML,CSD)	Managerial Economics and Financial Accountancy <b>R2022055</b> (Common to CSE,CST,IT,MM,CSE(AIML),CSE(AI),CSE(DS),CSE(AIDS),CSE(CS),CSE(IOTCSIBCT),CSE(IOT),AIDS,IOT,AIML,CSD)
<b>COMPUTER SCIENCE AND DESIGN (62)</b>	Probability and Statistics <b>R2022051</b> (Common to CSE,CST,CSE(AIML),CSE(AI),CSE(DS),CSE(AIDS),CSE(CS),CSE(IOTCSIBCT),CSE(CSBS),CSE(IOT),AIDS,IoT,AIML,CSD)	Computer Organization <b>R2022421</b> (Common to CSE(AIML),CSE(AI),CSE(DS),CSE(AIDS),AIDS,AIML)	Visual Design and Communication <b>R2022621</b>	Data Warehousing and Mining <b>R2022422</b> (Comm to CSE(AIML),AIDS,CSE(AIDS),AIDS,IOTAIML,CSD)	Managerial Economics and Financial Accountancy <b>R2022055</b> (Common to CSE,CST,IT,MM,CSE(AIML),CSE(AI),CSE(DS),CSE(AIDS),CSE(CS),CSE(IOTCSIBCT),CSE(IOT),AIDS,IOT,AIML,CSD)

NOTE:

- (i) ANY OMISSIONS OR CLASHES IN THIS TIME TABLE MAY PLEASE BE INFORMED TO THE CONTROLLER OF EXAMINATIONS, IMMEDIATELY.
- (ii) EVEN IF GOVERNMENT DECLARES HOLIDAY ON ANY OF THE ABOVE DATES, THE EXAMINATIONS SHALL BE CONDUCTED AS USUAL.
- (iii) THE PRINCIPALS ARE REQUESTED TO INFORM THE UNIVERSITY ANY OTHER SUBSTITUTE SUBJECTS THAT ARE NOT INCLUDED IN THE ABOVE LIST IMMEDIATELY.

Date: 08-02-2024

*H. R. K. K. K.*  
Controller of Examinations (UG)



# JAWAHARLAL NEHRU TECHNOLOGICAL UNIVERSITY KAKINADA

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## III B.TECH II SEMESTER (R20 REGULATION) I MID & ONLINE QUIZ EXAMINATIONS, FEB/MAR - 2024

### TIME TABLE

TIME: 10.00 AM TO 12.00 NOON

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	26.02.2024 (Monday)	27.02.2024 (Tuesday)	28.02.2024 (Wednesday)	29.02.2024 (Thursday)	01.03.2024 (Friday)	02.03.2024 (Saturday)
<b>CIVIL ENGINEERING (01 CE)</b>	Design And Drawing of Steel Structures (R2032011)	Water Resource Engineering (R2032012)	Geotechnical Engineering-II (R2032013)	<b><u>Professional Elective (PE- II) :-</u></b> Advanced Structural Analysis <b>R203201A</b> Architecture and Town Planning <b>R203201B</b> Road Safety Engineering <b>R203201C</b> Traffic Engineering <b>R203201D</b>	<b><u>Open Elective (OE II) :-</u></b> Elements of Civil Engineering <b>R203201E</b> Environmental Engineering <b>R203201F</b> Disaster Management <b>R203201G</b> Water Resource Engineering <b>R203201H</b> Hydraulics and Hydraulic Machinery <b>R203201I</b> Green Technologies <b>R203201J</b> Remote Sensing and GIS <b>R203201K</b> <small>(Common to CE,MM)</small>	.....
<b>ELECTRICAL AND ELECTRONICS ENGINEERING (02 EEE)</b>	Microprocessors and Microcontrollers (R2032021)	Electrical Measurements and Instrumentation (R2032022)	Power System Analysis (R2032023)	<b><u>Professional Elective (PE) :-</u></b> Signal and Systems <b>R203202A</b> Electric Drives <b>R203202B</b> Advanced Control Systems <b>R203202C</b> Switchgear and Protection <b>R203202D</b> Big Data Analytics <b>R203202E</b>	<b><u>Open Elective (OE II) :-</u></b> Battery Management Systems and Charging Stations <b>R203202F</b> Fundamentals of utilization of Electrical Energy <b>R203202G</b> Indian Electricity Act <b>R203202H</b>	.....
<b>MECHANICAL ENGINEERING (03 ME)</b>	Heat Transfer (R2032031)	Design of Machine Members-II (R2031032)	Introduction to Artificial Intelligence and Machine Learning (R2032033)	<b><u>Professional Elective (PE) :-</u></b> Automobile Engineering <b>R203203A</b> Smart Manufacturing <b>R203203B</b> Advanced Mechanics of Solids <b>R203203C</b> Statistical Quality Control <b>R203203D</b> Industrial Hydraulics and Pneumatics <b>R203203E</b>	<b><u>Open Elective (OE II) :-</u></b> Industrial Robotics <b>R203203G</b> Essentials of Mechanical Engineering <b>R203203H</b> Advanced Materials <b>R203203I</b> Introduction to Automobile Engineering <b>R203203J</b>	.....



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BRANCH	DATE & DAY					
	26.02.2024 (Monday)	27.02.2024 (Tuesday)	28.02.2024 (Wednesday)	29.02.2024 (Thursday)	01.03.2024 (Friday)	02.03.2024 (Saturday)
<b>ELECTRONICS &amp; COMMUNICATION ENGINEERING (04 ECE)</b>	Microprocessor and Microcontrollers (R2032041)	VLSI Design (R2032042)	Digital Signal Processing (R2032043)	<u>Professional Elective (PE) :-</u> Microwave Engineering R203204A Mobile & Cellular Communication R203204B Embedded Systems R203204C CMOS Analog IC Design R203204D	<u>Open Elective (OE II) :-</u> Basics of Signals and Systems R203204E Electronic Measurements and Instrumentation R203204F Principles of Signal Processing R203204G Industrial Electronics R203204H Consumer Electronics R203204I Fundamentals of Microprocessors and Microcontrollers R203204J Transducers and Sensors R203204K IOT and Applications R203204L Soft Computing Techniques R203204M IC Applications R203204N Principles of Communications R203204O Basic Electronics R203204P Data Communications R203204Q Digital Logic Design R203204R Remote Sensing and GIS R203204S Bio Medical Instrumentation R203204T	.....
<b>COMPUTER SCIENCE &amp; ENGINEERING (05 CSE)</b>	Machine Learning (R2032051) (Common to CSE,IT)	Compiler Design (R2032052)	Cryptography and Network Security (R2032053) (Common to CSE,IT)	<u>Professional Elective (PE) :-</u> Mobile Computing R203205A (Common to CSE,IT) Big Data Analytics R203205B Object Oriented Analysis and Design R203205C Network Programming R203205D (Comm to CSE,CSE(AIML),CSE(AI),AIML,CSD)	<u>Open Elective (OE II) :-</u> MEAN Stack Development R203205E (Common to CSE,CSE(AIML),CSE(AI),CSE(DS),CSE(AIDS),AIDS,,AIML,CSD) Python Programming R203205F (Common to CSE,IT) Web Technologies R203205G (Common to CSE,IT) Soft Computing R203205H Distributed Computing R203205I (Common to CSE,IT) AI and ML for Robotics R203205J (Common to CSE,IT) Computer Networks R203205K (Common to CSE,IT) Big Data Analytics R203205L (Common to CSE,IT) Computational Tools R203205M (Common to CSE,IT)	.....



# JAWAHARLAL NEHRU TECHNOLOGICAL UNIVERSITY KAKINADA

UNIVERSITY EXAMINATION CENTER, KAKINADA

## III B.TECH II SEMESTER (R20 REGULATION) I MID & ONLINE QUIZ EXAMINATIONS, FEB/MAR - 2024

### TIME TABLE

TIME: 10.00 AM TO 12.00 NOON

BRANCH	DATE & DAY					
	26.02.2024 (Monday)	27.02.2024 (Tuesday)	28.02.2024 (Wednesday)	29.02.2024 (Thursday)	01.03.2024 (Friday)	02.03.2024 (Saturday)
<b>INFORMATION TECHNOLOGY (12 IT)</b>	Machine Learning <b>(R2032051)</b> (Common to CSE,IT)	Big Data Analytics <b>(R2032121)</b> (Comm to IT,CSE(DS),CSE(AIDS), AIDS)	Cryptography and Network Security <b>(R2032053)</b> (Common to CSE,IT)	<b>Professional Elective (PE II) :-</b> Mobile Computing <b>R203205A</b> (Common to CSE,IT) MEAN Stack Development <b>R203212A</b> Design Patterns <b>R203212B</b> Scripting Languages <b>R203212C</b>	<b>Open Elective (OE II) :-</b> Python Programming <b>R203205F</b> (Common to CSE,IT) Web Technologies <b>R203205G</b> (Common to CSE,IT) Soft Computing <b>R203205H</b> (Common to CSE,IT) Distributed Computing <b>R203205I</b> (Common to CSE,IT) AI and ML for Robotics <b>R203205J</b> (Common to CSE,IT) Computer Networks <b>R203205K</b> (Common to CSE,IT) Big Data Analytics <b>R203205L</b> (Common to CSE,IT) Computational Tools <b>R203205M</b> (Common to CSE,IT)	.....
<b>AUTO MOBILE ENGINEERING (24 AME)</b>	Automobile Components and Chassis Design <b>(R2032241)</b>	Automobile Transmission Systems <b>(R2032242)</b>	Vehicle Body Engineering <b>(R2032243)</b>	<b>Professional Elective (PE II) :-</b> CFD for Automobile Applications <b>R203224A</b> Condition Monitoring <b>R203224B</b> Noise Vibrations and Harshness <b>R203224C</b> Mechatronics <b>R203224D</b> Measurements and Control Systems <b>R203224E</b>	<b>Open Elective (OE II) :-</b> Alternative Fuels for Automobiles <b>R203224G</b> Vehicle Stability and Control <b>R203224H</b> Electric Vehicles and Hybrid Technology <b>R203224I</b>	.....
<b>MINING ENGINEERING (26 MM)</b>	Surface Mining <b>(R2032261)</b>	Mine Legislation and Safety <b>(R2032262)</b>	Underground Metal Mining <b>(R2032263)</b>	<b>Professional Elective (PE) :-</b> Computer Applications and Tools <b>R203226A</b> Mine Economics <b>R203226B</b> Mine Mechanization <b>R203226C</b> Mine Automation <b>R203226D</b>	<b>Open Elective (OE II) :-</b> Mineral Economics, Business and Trade <b>R203226E</b> Landslides & Slope Stability Engineering <b>R203226F</b> Remote Sensing and GIS <b>R203201K</b> Geostatistics <b>R203226G</b>	.....



# JAWAHARLAL NEHRU TECHNOLOGICAL UNIVERSITY KAKINADA

UNIVERSITY EXAMINATION CENTER, KAKINADA

## III B.TECH II SEMESTER (R20 REGULATION) I MID & ONLINE QUIZ EXAMINATIONS, FEB/MAR - 2024

### TIME TABLE

TIME: 10.00 AM TO 12.00 NOON

BRANCH	DATE & DAY					
	26.02.2024 (Monday)	27.02.2024 (Tuesday)	28.02.2024 (Wednesday)	29.02.2024 (Thursday)	01.03.2024 (Friday)	02.03.2024 (Saturday)
<b>AGRICULTURAL ENGINEERING (35 AGE)</b>	Soil and Water Conservation Engineering (R2032351)	Farm Machinery and Equipment - II (R2032352)	Agricultural Process Engineering (R2032353)	<b>Professional Elective (PE) :-</b> Food Packaging Technology R203235A Watershed Management R203235B Human Engineering and Safety R203235C	<b>Open Elective (OE II) :-</b> Principles of Soil Science and Agronomy R203235D Farm Power and Tractor Systems R203235E Soil and Water Conservation Engineering R203235F Ground Water Hydrology, Wells and Pumps R203235G, Surface Water Hydrology R203235H, Post Harvest Engineering of Cereals, Pulses and Oilseeds R203235I, Agricultural Process Engineering R203235J	.....
<b>CSE (Artificial Intelligence and Machine Learning) (42)</b>	Computer Networks (R2032421) (Comm to CSE(AIML),CSE(AI), CSE(DS), CSE(AIDS), AIDS,AIML, CSD)	Deep Learning (R2032422) (Common to CSE{AIML}, CSE(AI),AIML)	Design and Analysis of Algorithms (R2032423) (Common to CSE(AIML),CSE(AI),CSE(DS),CSE(AIDS),AIDS,AIML,CSD)	<b>Professional Elective (PE) :-</b> Software Project Management R203242A (Comm to CSE(AIML),CSE(AI),CSE(DS),CSE(AIDS),AIDS,AIML,CSD) Distributed Systems R203242B (Comm to CSE(AIML),CSE(AI),CSE(DS),CSE(AIDS),AIDS,AIML,CSD) Internet of Things R203242C (Comm to CSE(AIML),CSE(AI),AIML) Network Programming R203205D (Comm to CSE,CSE(AIML),CSE(AI),AIML,CSD)	<b>Open Elective (OE I) :-</b> MEAN Stack Development R203205E (Common to CSE,CSE(AIML),CSE(AI),CSE(DS),CSE(AIDS),AIDS,AIML,CSD)	.....
<b>CSE (Artificial Intelligence) (43)</b>	Computer Networks (R2032421) (Comm to CSE(AIML),CSE(AI), CSE(DS), CSE(AIDS), AIDS,AIML, CSD)	Deep Learning (R2032422) (Common to CSE{AIML}, CSE(AI),AIML)	Design and Analysis of Algorithms (R2032423) (Common to CSE(AIML),CSE(AI), CSE(DS),CSE(AIDS), AIDS,AIML)	<b>Professional Elective (PE) :-</b> Software Project Management R203242A (Common to CSE(AIML),CSE(AI),CSE(DS),CSE(AIDS),AIDS,AIML,CSD) Distributed Systems R203242B (Common to CSE(AIML),CSE(AI),CSE(DS),CSE(AIDS),AIDS,AIML,CSD) Internet of Things R203242C (Common to CSE(AIML),CSE(AI),AIML) Network Programming R203205D (Comm to CSE,CSE(AIML),CSE(AI),AIML,CSD) Expert Systems R203243A	<b>Open Elective (OE II) :-</b> MEAN Stack Development R203205E (Common to CSE,CSE(AIML),CSE(AI),CSE(DS),CSE(AIDS),AIDS,AIML,CSD)	.....



# JAWAHARLAL NEHRU TECHNOLOGICAL UNIVERSITY KAKINADA

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## III B.TECH II SEMESTER (R20 REGULATION) I MID & ONLINE QUIZ EXAMINATIONS, FEB/MAR - 2024

### TIME TABLE

TIME: 10.00 AM TO 12.00 NOON

BRANCH	DATE & DAY					
	26.02.2024 (Monday)	27.02.2024 (Tuesday)	28.02.2024 (Wednesday)	29.02.2024 (Thursday)	01.03.2024 (Friday)	02.03.2024 (Saturday)
<b>CSE (Data Science) (44)</b>	<b>Computer Networks (R2032421)</b> (Comm to CSE(AIML),CSE(AI), CSE(DS), CSE(AIDS), AIDS,AIML, CSD)	<b>Big Data Analytics (R2032121)</b> (Common to IT,CSE(DS),CSE(AIDS),AIDS)	<b>Design and Analysis of Algorithms (R2032423)</b> (Common to CSE(AIML),CSE(AI),CSE(DS),CSE(AIDS),AIDS,AIML)	<u><b>Professional Elective (PE) :-</b></u> Deep Learning <b>R203244A</b> (Comm to CSE(DS),CSE(AIDS),AIDS,CSD) Software Project Management <b>R203242A</b> (Common to CSE(AIML),CSE(AI),CSE(DS),CSE(AIDS),AIDS,AIML,CSD) Distributed Systems <b>R203242B</b> (Common to CSE(AIML),CSE(AI),CSE(DS),CSE(AIDS),AIDS,AIML,CSD) Data Wrangling in Data Science <b>R203244B</b> (Comm to CSE(DS),CSE(AIDS),AIDS) ETL Principles <b>R203244C</b>	<u><b>Open Elective (OE II) :-</b></u> MEAN Stack Development <b>R203205E</b> (Common to CSE,CSE(AIML),CSE(AI),CSE(DS),CSE(AIDS),AIDS,AIML,CSD)	.....
<b>CSE (Artificial Intelligence and Data Science) (45)</b>	<b>Computer Networks (R2032421)</b> (Comm to CSE(AIML),CSE(AI), CSE(DS), CSE(AIDS), AIDS,AIML, CSD)	<b>Big Data Analytics (R2032121)</b> (Common to IT,CSE(DS),CSE(AIDS),AIDS)	<b>Design and Analysis of Algorithms (R2032423)</b> (Common to CSE(AIML),CSE(AI),CSE(DS),CSE(AIDS),AIDS,AIML)	<u><b>Professional Elective (PE) :-</b></u> Deep Learning <b>R203244A</b> (Comm to CSE(DS),CSE(AIDS),AIDS,CSD) Software Project Management <b>R203242A</b> (Common to CSE(AIML),CSE(AI),CSE(DS),CSE(AIDS),AIDS,AIML,CSD) Distributed Systems <b>R203242B</b> (Common to CSE(AIML),CSE(AI),CSE(DS),CSE(AIDS),AIDS,AIML,CSD) Data Wrangling in Data Science <b>R203244B</b> (Comm to CSE(DS),CSE(AIDS),AIDS) Snow Flake Cloud Analytics <b>R203245A</b> (Common to CSE(AIDS),AIDS)	<u><b>Open Elective (OE II) :-</b></u> MEAN Stack Development <b>R203205E</b> (Common to CSE,CSE(AIML),CSE(AI),CSE(DS),CSE(AIDS),AIDS,AIML,CSD)	.....
<b>CSE (Cyber Security) (46)</b>	<b>Machine Learning (R2032462)</b> (Common to CSE(CS),CSE(IOT),CS)	<b>Cryptography and Network Security (R2032461)</b> (Comm to CSE(CS),IOTCSIBCT,CS)	<b>Introduction to Cyber Security (R2032463)</b> (Common to CSE(CS),IOTCSIBCT,CS)	.....	<u><b>Open Elective (OE II) :-</b></u> Web Services <b>R203246B</b> (Comm to CSE(CS),IOTCSIBCT,CS)	.....



# JAWAHARLAL NEHRU TECHNOLOGICAL UNIVERSITY KAKINADA

UNIVERSITY EXAMINATION CENTER, KAKINADA

## III B.TECH II SEMESTER (R20 REGULATION) I MID & ONLINE QUIZ EXAMINATIONS, FEB/MAR - 2024

### TIME TABLE

TIME: 10.00 AM TO 12.00 NOON

BRANCH	DATE & DAY					
	26.02.2024 (Monday)	27.02.2024 (Tuesday)	28.02.2024 (Wednesday)	29.02.2024 (Thursday)	01.03.2024 (Friday)	02.03.2024 (Saturday)
CSE (Internet of things and Cyber security including Block chain Technology) (47)	Block Chain Technologies (R2032471)	Cryptography and Network Security (R2032461) (Common to IT,CSE(DS),CSE(AIDS), AIDS)	Introduction to Cybersecurity (R2032463) (Common to CSE(CS),IOTCSIBCT, CS)	.....	<b>Open Elective (OE II) :-</b> Web Services R203246B (Comm to CSE(CS)IOTCSIBCT,CS)	.....
CSE (Internet of Things) (49)	Machine Learning (R2032462) (Common to CSE(CS)CSE(IOT),CS )	Embedded System Design (R2032491)	Sensors and Actuator Devices for IoT (R2032492)	.....	<b>Open Elective (OE II) :-</b> Social Network and Semantic Web Course R203249B	.....
FOOD ENGINEERING (51)	Mass Transfer in Food Processing (R2032511)	Processing of Milk, Meat and Marine Products (R2032512)	Food Packaging Technologies (R2032513)	Separation Techniques in Food Processing R203251A Thermal Operations in Food Processing R203251B Automation in Food Industry R203251C	Membrane Technology in Food Engineering R203251D Renewable Energy Systems R203251E TQM in Food Industry R203251F	.....
ARTIFICIAL INTELLIGENCE AND DATA SCIENCE (54)	Computer Networks (R2032421) (Comm to CSE(AIML),CSE(AI), CSE(DS), CSE(AIDS), AIDS,AIML, CSD)	Big Data Analytics (R2032121) (Common to IT,CSE(DS),CSE(AIDS), AIDS)	Design and Analysis of Algorithms (R2032423) (Common to CSE(AIML),CSE(AI), CSE(DS),CSE(AIDS), AIDS,AIML)	<b>Professional Elective (PE) :-</b> Deep Learning R203244A (Common to CSE(DS),CSE(AIDS),AIDS,CSD) Software Project Management R203242A Distributed Systems R203242B (Common to CSE(AIML),CSE(AI),CSE(DS),CSE(AIDS),AIDS ,AIML,CSD) Data Wrangling in Data Science R203244B (Common to CSE(DS),CSE(AIDS),AIDS) Snow Flake Cloud Analytics R203245A (Common to CSE(AIDS),AIDS)	<b>Open Elective (OE II) :-</b> MEAN Stack Development R203205E (Common to CSE,CSE(AIML),CSE(AI),CSE(DS),CSE(AIDS),AIDS, ,AIML,CSD)	.....



# JAWAHARLAL NEHRU TECHNOLOGICAL UNIVERSITY KAKINADA

UNIVERSITY EXAMINATION CENTER, KAKINADA

## III B.TECH II SEMESTER (R20 REGULATION) I MID & ONLINE QUIZ EXAMINATIONS, FEB/MAR - 2024

### TIME TABLE

TIME: 10.00 AM TO 12.00 NOON

BRANCH	DATE & DAY					
	26.02.2024 (Monday)	27.02.2024 (Tuesday)	28.02.2024 (Wednesday)	29.02.2024 (Thursday)	01.03.2024 (Friday)	02.03.2024 (Saturday)
<b>PHARMACEUTICAL ENGINEERING (55)</b>	Pharmaceutical Engineering – II <b>(R2032551)</b>	Instrumental Methods of Analysis <b>(R2032552)</b>	Principles of Transducers and Measurements <b>(R2032553)</b>	<b>Professional Elective (PE) :-</b> Computer Aided Drug Design <b>R203255A</b> Pharmaceutical Regulatory Affairs <b>R203255B</b> Novel Drug Delivery Systems <b>R203255C</b>	<b>Open Elective (OE II) :-</b> Hospital Management and Information Systems <b>R203255D</b> Neural Networks and Fuzzy Logic <b>R203255E</b> Introduction to Database Management <b>R203255F</b>	Water Conservation Management <b>(R2032554)</b>
<b>CYBER SECURITY (59)</b>	Machine Learning <b>(R2032462)</b> (Common to CSE(CS),CSE(IOT),CS)	Cryptography and Network Security <b>(R2032461)</b> (Common to IT,CSE(DS),CSE(AIDS),AIDS)	Introduction to Cyber Security <b>(R2032463)</b> (Common to CSE(CS),IOTCSIBCT,CS)	.....	<b>Open Elective (OE II) :-</b> Web Services <b>R203246B</b> (Common to CSE(CS),IOTCSIBCT,CS)	.....
<b>ARTIFICIAL INTELLIGENCE AND MACHINE LEARNING (61)</b>	Computer Networks <b>(R2032421)</b> (Comm to CSE(AIML),CSE(AI), CSE(DS), CSE(AIDS), AIDS,AIML, CSD)	Deep Learning <b>(R2032422)</b> (Common to CSE{ AIML}, CSE(AI),AIML)	Design and Analysis of Algorithms <b>(R2032423)</b> (Common to CSE(AIML),CSE(AI),CSE(DS),CSE(AIDS),AIDS,AIML)	<b>Professional Elective (PE) :-</b> Software Project Management <b>R203242A</b> (Common to CSE(AIML),CSE(AI),CSE(DS),CSE(AIDS),AIDS,AIML,CSD) Distributed Systems <b>R203242B</b> (Common to CSE(AIML),CSE(AI),CSE(DS),CSE(AIDS),AIDS,AIML,CSD) Internet of Things <b>R203242C</b> (Common to CSE(AIML),CSE(AI),AIML) Network Programming <b>R203205D</b> (Comm to CSE,CSE(AIML),CSE(AI),AIML,CSD)	<b>Open Elective (OE II) :-</b> MEAN Stack Development <b>R203205E</b> (Common to CSE,CSE(AIML),CSE(AI),CSE(DS),CSE(AIDS),AIDS,AIML,CSD)	.....





# JAWAHARLAL NEHRU TECHNOLOGICAL UNIVERSITY KAKINADA

UNIVERSITY EXAMINATION CENTER, KAKINADA

## III B.TECH II SEMESTER (R20 REGULATION) I MID & ONLINE QUIZ EXAMINATIONS, FEB/MAR - 2024

### TIME TABLE

TIME: 10.00 AM TO 12.00 NOON

BRANCH	DATE & DAY					
	26.02.2024 (Monday)	27.02.2024 (Tuesday)	28.02.2024 (Wednesday)	29.02.2024 (Thursday)	01.03.2024 (Friday)	02.03.2024 (Saturday)
<b>COMPUTER SCIENCE AND DESIGN (62)</b>	Computer Networks <b>(R2032421)</b> (Comm to CSE(AIML),CSE(AI), CSE(DS), CSE(AIDS), AIDS,AIML, CSD)	Computer Aided Design <b>(R2032621)</b>	Design and Analysis of Algorithms <b>(R2031423)</b> (Common to CSE(AIML),CSE(AI),CSE(DS),CSE(AIDS),AIDS,AI ML)	<b>Professional Elective (PE) :-</b> Deep Learning <b>R203244A</b> (Common to CSE(DS),CSE(AIDS),AIDS,CSD) Software Project Management <b>R203242A</b> (Common to CSE(AIML),CSE(AI),CSE(DS),CSE(AIDS),AIDS ,AIML,CSD) Distributed Systems <b>R203242B</b> (Common to CSE(AIML),CSE(AI),CSE(DS),CSE(AIDS),AIDS ,AIML,CSD) Network Programming <b>R203205D</b> (Comm to CSE,CSE(AIML),CSE(AI),AIML,CSD)	<b>Open Elective (OE II) :-</b> MEAN Stack Development <b>R203205E</b> (Common to CSE,CSE(AIML),CSE(AI),CSE(DS),CSE(AIDS),AIDS, ,AIML,CSD)	.....

**NOTE:**

- (i) ANY OMISSIONS OR CLASHES IN THIS TIME TABLE MAY PLEASE BE INFORMED TO THE CONTROLLER OF EXAMINATIONS, IMMEDIATELY.
- (ii) EVEN IF GOVERNMENT DECLARES HOLIDAY ON ANY OF THE ABOVE DATES, THE EXAMINATIONS SHALL BE CONDUCTED AS USUAL.
- (iii) THE PRINCIPALS ARE REQUESTED TO INFORM THE UNIVERSITY ANY OTHER SUBSTITUTE SUBJECTS THAT ARE NOT INCLUDED IN THE ABOVE LIST IMMEDIATELY.

Date: 15-02-2024

  
Controller of Examinations (UG)



**I B.TECH I SEMESTER (R23)**

**JAWAHARLAL NEHRU TECHNOLOGICAL UNIVERSITY KAKINADA**  
UNIVERSITY EXAMINATION CENTER, KAKINADA

**I B.TECH II SEMESTER (R23 REGULATION) II MID & ONLINE QUIZ EXAMINATIONS, JUNE-2024**

**TIME TABLE**

**TIME: 10.00 AM TO 12.00 NOON**

<b>DATE &amp; DAY</b>	<b>05-06-2024 (Wednesday)</b>	<b>06-06-2024 (Thursday)</b>	<b>07-06-2024 (Friday)</b>	<b>10-06-2024 (Monday)</b>	<b>11-06-2024 (Tuesday)</b>
<b>Branch &amp; Subjects</b>	Engineering Physics <b>R231201</b> (Common to EEE, CSE, Ph.E)  Communicative English <b>R231207</b> (Common to CE, ME, ECE, IT, AME, Mining, Agri E, CSE- Allied)	Differential Equations & Vector Calculus <b>R231202</b> (Common to All Branches)	Basic Electrical and Electronics Engineering <b>R231203</b> (Common to EEE, CSE, Ph.E)  Basic Civil & Mechanical Engineering <b>R231211</b> (Common to CE, ME, ECE, IT, AME, Mining, Agri E, CSE- Allied)	Data Structures ( <b>R231205</b> ) (Common to CSE, IT, CSE-Allied)  Electrical Circuit Analysis – I ( <b>R231206</b> ) (Only for EEE)  Introduction To Mining Geology <b>(R231210)</b> (Only for Mining)  Engineering Mechanics ( <b>R231212</b> ) (Common to CE, ME)  Network Analysis ( <b>R231213</b> ) (Only for ECE)  Fluid Mechanics And Mechanical Unit Operations ( <b>R231214</b> ) (Only for Ph.E)  Engineering Mechanics ( <b>R231215</b> ) (Only for AME)  Principles Of Soil Science And Agronomy <b>(R231216)</b> (Only for Agri E)	Engineering Graphics <b>R231204</b> (Common to EEE, CSE, Ph.E)  Engineering Chemistry <b>R231208</b> (Common to CE, ME, AME, Mining, Agri E)  Chemistry <b>R231209</b> (Common to ECE, IT, CSE-Allied)

**NOTE:**

- i. ANY OMISSIONS OR CLASHES IN THIS TIME TABLE MAY PLEASE BE INFORMED TO THE CONTROLLER OF EXAMINATIONS IMMEDIATELY.
- ii. EVEN IF GOVERNMENT DECLARES HOLIDAY ON ANY OF THE ABOVE DATES, THE EXAMINATIONS SHALL BE CONDUCTED AS USUAL.
- iii. THE PRINCIPALS ARE REQUESTED TO INFORM THE UNIVERSITY ANY OTHER SUBSTITUTE SUBJECTS THAT ARE NOT INCLUDED IN THE ABOVE TIME TABLE IMMEDIATELY.

**Date: 31-05-2024**

**Controller of Examinations (UG)**



**JAWAHARLAL NEHRU TECHNOLOGICAL UNIVERSITY KAKINADA**

UNIVERSITY EXAMINATION CENTER, KAKINADA

**II B.TECH II SEMESTER (R20 REGULATION) II MID & ONLINE QUIZ EXAMINATIONS, APRIL - 2024**

**TIME TABLE**

**TIME: 10.00 AM TO 12.00 NOON**

BRANCH	DAY AND DATE				
	15-04-2024 (Monday)	16-04-2024 (Tuesday)	18-04-2024 (Thursday)	19-04-2024 (Friday)	20-04-2024 (Saturday)
<b>CIVIL ENGINEERING (01-CE)</b>	Complex Variables and Statistical Methods <b>R2022011</b> (Comm to CE,ME,AME,MM)	Strength of Materials -II <b>R2022012</b>	Hydraulics and Hydraulic Machinery <b>R2022013</b>	Environmental Engineering <b>R2022014</b>	Managerial Economics & Financial Analysis <b>R2022015</b> (Comm to CE,EEE,EIE,ECT,AGE,FE)
<b>ELECTRICAL AND ELECTRONICS ENGINEERING (02-EEE)</b>	Python Programming <b>R2022021</b> (Common to EEE, FE)	Digital Electronics <b>R2022022</b>	Power System-I <b>R2022023</b>	Induction and Synchronous Machines <b>R2022024</b>	Managerial Economics & Financial Analysis <b>R2022015</b> (Comm to CE,EEE,EIE,ECT,AGE,FE)
<b>MECHANICAL ENGINEERING (03-ME)</b>	Complex Variables and Statistical Methods <b>R2022011</b> (Comm to CE,ME,AME,MM)	Material Science & Metallurgy <b>R2022031</b>	Dynamics of Machinery <b>R2022032</b>	Thermal Engineering-I <b>R2022033</b>	Industrial Engineering and Management <b>R2022034</b>
<b>ELECTRONICS &amp; COMMUNICATION ENGINEERING (04-ECE)</b>	Electronic Circuit Analysis <b>R2022041</b> (Comm to ECE,EIE,ECT)	Digital IC Design <b>R2022042</b>	Analog Communications <b>R2022043</b> (Common to ECE,ECT)	Linear Control Systems <b>R2022044</b> (Common to ECE,EIE)	Management and Organizational Behavior <b>R2022045</b> (Common to ECE, PE)
<b>COMPUTER SCIENCE &amp; ENGINEERING (05-CSE)</b>	Probability and Statistics <b>R2022051</b> (Common to CSE,CST,CSE(AIML),CSE(AI),CSE(DS),CSE(AIDS),CSE(CS),CSE(IOTCSIBCT),CSE(CSBS),CSE(IOT),AIDS,IoT,AI ML,CSD)	Database Management Systems <b>R2022052</b> (Common to CSE,CST,CSE(CS),CSE(IOTCSIBCT),CSE(CSBS),CSE(IOT),IOT)	Formal Languages and Automata Theory <b>R2022053</b> (Common to CSE,CST,CSE(AIML),CSE(AI),CSE(DS),CSE(AIDS),CSE(CS),CSE(IOTCSIBCT),CSE(IOT),AIDS,AI ML,IOT)	Java Programming <b>R2022054</b> (Common to CSE,IT,CSE(CSBS),CS)	Managerial Economics and Financial Accountancy <b>R2022055</b> (Common to CSE,CST,IT,MM,CSE(AIML),CSE(AI),CSE(DS),CSE(AIDS),CSE(CS),CSE(IOTCSIBCT),CSE(IOT),AIDS,IOT,AI ML,CSD)



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**II B.TECH II SEMESTER (R20 REGULATION) II MID & ONLINE QUIZ EXAMINATIONS, APRIL - 2024**

**TIME TABLE**

**TIME: 10.00 AM TO 12.00 NOON**

BRANCH	DAY AND DATE				
	15-04-2024 (Monday)	16-04-2024 (Tuesday)	18-04-2024 (Thursday)	19-04-2024 (Friday)	20-04-2024 (Saturday)
<b>COMPUTER SCIENCE &amp; TECHNOLOGY (06)</b>	Probability and Statistics <b>R2022051</b> (Common to CSE,CST,CSE(AIML),CSE(AD),CSE(DS),CSE(AIDS),CSE(CS),CSE(IOTCSIBCT),CSE(CSBS),CSE(IOT),AIDS,IoT,AIML,CSD)	Database Management Systems <b>R2022052</b> (Common to CSE,CST,CSE(CS),CSE(IOTCSIBCT),CSE(CSBS),CSE(IOT), IOT)	Formal Languages and Automata Theory <b>R2022053</b> (Common to CSE,CST,CSE(AIML),CSE(AD),CSE(DS),CSE(AIDS),CSE(CS),CSE(IOTCSIBCT),CSE(IOT),AIDS,AIML,IOT)	Computer Organization & Architecture <b>R2022061</b> (Common to CST, CSE(CS), CSE(IOTCSIBCT), CSE(IOT),IOT)	Managerial Economics and Financial Accountancy <b>R2022055</b> (Common to CSE,CST,IT,MM,CSE(AIML),CSE(AI),CSE(DS),CSE(AIDS),CSE(CS),CSE(IOTCSIBCT),CSE(IOT),AIDS,IOT,AIML,CSD)
<b>ELECTRONICS AND INSTRUMENTATION ENGINEERING (10-EIE)</b>	Electronic Circuit Analysis <b>R2022041</b> (Comm to ECE,EIE,ECT)	Microprocessor and Microcontrollers <b>R2022101</b>	Integrated Circuits and applications <b>R2022102</b>	Linear Control Systems <b>R2022044</b> (Common to ECE,EIE)	Managerial Economics & Financial Analysis <b>R2022015</b> (Comm to CE,EEE,EIE,ECT,AGE,FE)
<b>INFORMATION TECHNOLOGY (12-IT)</b>	Statistics with R <b>R2022121</b>	Principles of Software Engineering <b>R2022122</b>	Automata Theory and Compiler Design <b>R2022123</b>	Java Programming <b>R2022054</b> (Common to CSE,IT,CSE(CSBS),CS)	Managerial Economics and Financial Accountancy <b>R2022055</b> (Common to CSE,CST,IT,MM,CSE(AIML),CSE(AI),CSE(DS),CSE(AIDS),CSE(CS),CSE(IOTCSIBCT),CSE(IOT),AIDS,IOT,AIML,CSD)
<b>ELECTRONICS &amp; COMMUNICATION TECHNOLOGY (14)</b>	Electronic Circuit Analysis <b>R2022041</b> (Comm to ECE,EIE,ECT)	Computer Architecture and Organization <b>R2022141</b>	Analog Communications <b>R2022043</b> (Common to ECE,ECT)	Electromagnetic Waves and Transmission Lines <b>R2022142</b>	Managerial Economics & Financial Analysis <b>R2022015</b> (Comm to CE,EEE,EIE,ECT,AGE,FE)
<b>AUTO MOBILE ENGINEERING (24-AME)</b>	Complex Variables and Statistical Methods <b>R2022011</b> (Comm to CE,ME,AME,MM)	Applied Thermodynamics <b>R2022241</b>	Automobile Engines <b>R2022242</b>	Automobile Electrical and Electronics <b>R2022243</b>	Operations Research <b>R2022244</b>



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**II B.TECH II SEMESTER (R20 REGULATION) II MID & ONLINE QUIZ EXAMINATIONS, APRIL - 2024**

**TIME TABLE**

**TIME: 10.00 AM TO 12.00 NOON**

BRANCH	DAY AND DATE				
	15-04-2024 (Monday)	16-04-2024 (Tuesday)	18-04-2024 (Thursday)	19-04-2024 (Friday)	20-04-2024 (Saturday)
<b>MINING ENGINEERING (26-MM)</b>	Complex Variables and Statistical Methods <b>R2022011</b> (Comm to CE,ME,AME,MM)	Fluid Mechanics and Hydraulic Power <b>R2022261</b>	Rock Mechanics <b>R2022262</b>	Mine Ventilation <b>R2022263</b>	Managerial Economics and Financial Accountancy <b>R2022055</b> (Common to CSE,CST,IT,MM,CSE(AIML),CSE(AI),CSE(DS),CSE(AIDS),CSE(CS),CSE(IOTCSIBCT),CSE(IOT),AIDS,IOT,AIML,CSD)
<b>PETROLEUM ENGINEERING/PETROLEUM TECHNOLOGY (27-PE)</b>	Mathematics –IV <b>R2022271</b>	Instrumentation, Process Dynamics & Control <b>R2022272</b>	Thermodynamics for Petroleum Engineers <b>R2022273</b>	Drilling & Well Completions <b>R2022274</b>	Management and Organizational Behavior <b>R2022045</b> (Common to ECE, PE)
<b>AGRICULTURAL ENGINEERING (35-AGE)</b>	Heat and Mass Transfer <b>R2022351</b>	Ground Water Hydrology, Well and Pumps <b>R2022352</b>	Theory of Structures <b>R2022353</b>	Soil Mechanics <b>R2022354</b>	Managerial Economics & Financial Analysis <b>R2022015</b> (Comm to CE,EEE,EIE,ECT,AGE,FE)
<b>CSE (Artificial Intelligence and Machine Learning) (42)</b>	Probability and Statistics <b>R2022051</b> (Common to CSE,CST,CSE(AIML),CSE(AI),CSE(DS),CSE(AIDS),CSE(CS),CSE(IOTCSIBCT),CSE(CSBS),CSE(IOT),AIDS,IoT,AIML,CSD)	Computer Organization <b>R2022421</b> (Common to CSE(AIML),CSE(AI),CSE(DS),CSE(AIDS),AIDS,AIML)	Formal Languages and Automata Theory <b>R2022053</b> (Common to CSE,CST,CSE(AIML),CSE(AI),CSE(DS),CSE(AIDS),CSE(CS),CSE(IOTCSIBCT),CSE(IOT),AIDS,AIML,IOT)	Data Warehousing and Mining <b>R2022422</b> (Comm to CSE(AIML),AI,DS,CSE(AIDS),AIDS,IOT,AIML,CSD)	Managerial Economics and Financial Accountancy <b>R2022055</b> (Common to CSE,CST,IT,MM,CSE(AIML),CSE(AI),CSE(DS),CSE(AIDS),CSE(CS),CSE(IOTCSIBCT),CSE(IOT),AIDS,IOT,AIML,CSD)



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**II B.TECH II SEMESTER (R20 REGULATION) II MID & ONLINE QUIZ EXAMINATIONS, APRIL - 2024**

**TIME TABLE**

**TIME: 10.00 AM TO 12.00 NOON**

BRANCH	DAY AND DATE				
	15-04-2024 (Monday)	16-04-2024 (Tuesday)	18-04-2024 (Thursday)	19-04-2024 (Friday)	20-04-2024 (Saturday)
<b>CSE (Artificial Intelligence) (43)</b>	Probability and Statistics <b>R2022051</b> (Common to CSE,CST,CSE(AIML),CSE(AI),CSE(DS),CSE(AIDS),CSE(CS),CSE(IOTCSIBCT),CSE(CSBS),CSE(IOT),AIDS,IoT,AIML,CSD)	Computer Organization <b>R2022421</b> (Common to CSE(AIML),CSE(AI),CSE(DS),CSE(AIDS),AIDS,AIML)	Formal Languages and Automata Theory <b>R2022053</b> (Common to CSE,CST,CSE(AIML),CSE(AI),CSE(DS),CSE(AIDS),CSE(CS),CSE(IOTCSIBCT),CSE(IOT),AIDS,AIML,IOT)	Data Warehousing and Mining <b>R2022422</b> (Comm to CSE(AIML),AI,DS,CSE(AIDS),AIDS,IOTAIML,CSD)	Managerial Economics and Financial Accountancy <b>R2022055</b> (Common to CSE,CST,IT,MM,CSE(AIML),CSE(AI),CSE(DS),CSE(AIDS),CSE(CS),CSE(IOTCSIBCT),CSE(IOT),AIDS,IOT,AIML,CSD)
<b>CSE (Data Science) (44)</b>	Probability and Statistics <b>R2022051</b> (Common to CSE,CST,CSE(AIML),CSE(AI),CSE(DS),CSE(AIDS),CSE(CS),CSE(IOTCSIBCT),CSE(CSBS),CSE(IOT),AIDS,IoT,AIML,CSD)	Computer Organization <b>R2022421</b> (Common to CSE(AIML),CSE(AI),CSE(DS),CSE(AIDS),AIDS,AIML)	Formal Languages and Automata Theory <b>R2022053</b> (Common to CSE,CST,CSE(AIML),CSE(AI),CSE(DS),CSE(AIDS),CSE(CS),CSE(IOTCSIBCT),CSE(IOT),AIDS,AIML,IOT)	Data Warehousing and Mining <b>R2022422</b> (Comm to CSE(AIML),AI,DS,CSE(AIDS),AIDS,IOTAIML,CSD)	Managerial Economics and Financial Accountancy <b>R2022055</b> (Common to CSE,CST,IT,MM,CSE(AIML),CSE(AI),CSE(DS),CSE(AIDS),CSE(CS),CSE(IOTCSIBCT),CSE(IOT),AIDS,IOT,AIML,CSD)
<b>CSE (Artificial Intelligence and Data Science) (45)</b>	Probability and Statistics <b>R2022051</b> (Common to CSE,CST,CSE(AIML),CSE(AI),CSE(DS),CSE(AIDS),CSE(CS),CSE(IOTCSIBCT),CSE(CSBS),CSE(IOT),AIDS,IoT,AIML,CSD)	Computer Organization <b>R2022421</b> (Common to CSE(AIML),CSE(AI),CSE(DS),CSE(AIDS),AIDS,AIML)	Formal Languages and Automata Theory <b>R2022053</b> (Common to CSE,CST,CSE(AIML),CSE(AI),CSE(DS),CSE(AIDS),CSE(CS),CSE(IOTCSIBCT),CSE(IOT),AIDS,AIML,IOT)	Data Warehousing and Mining <b>R2022422</b> (Comm to CSE(AIML),AI,DS,CSE(AIDS),AIDS,IOTAIML,CSD)	Managerial Economics and Financial Accountancy <b>R2022055</b> (Common to CSE,CST,IT,MM,CSE(AIML),CSE(AI),CSE(DS),CSE(AIDS),CSE(CS),CSE(IOTCSIBCT),CSE(IOT),AIDS,IOT,AIML,CSD)



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**II B.TECH II SEMESTER (R20 REGULATION) II MID & ONLINE QUIZ EXAMINATIONS, APRIL - 2024**

**TIME TABLE**

**TIME: 10.00 AM TO 12.00 NOON**

BRANCH	DAY AND DATE				
	15-04-2024 (Monday)	16-04-2024 (Tuesday)	18-04-2024 (Thursday)	19-04-2024 (Friday)	20-04-2024 (Saturday)
<b>CSE (Cyber Security) (46)</b>	Probability and Statistics <b>R2022051</b> (Common to CSE,CST,CSE(AIML),CSE(AI),CSE(DS),CSE(AIDS),CSE(CS),CSE(IOTCSIBCT),CSE(CSBS),CSE(IOT),AIDS,IoT,AIML,CSD)	Database Management Systems <b>R2022052</b> (Common to CSE,CST,CSE(CS),CSE(IOTCSIBCT), CSE(CSBS),CSE(IOT), IOT)	Formal Languages and Automata Theory <b>R2022053</b> (Common to CSE,CST,CSE(AIML),CSE(AI),CSE(DS), CSE(AIDS),CSE(CS),CSE(IOTCSIBCT),CSE(IOT),AIDS,AIML,IOT)	Computer Organization & Architecture <b>R2022061</b> (Common to CST, CSE(CS), CSE(IOTCSIBCT), CSE(IOT),IOT)	Managerial Economics and Financial Accountancy <b>R2022055</b> (Common to CSE,CST,IT,MM,CSE(AIML),CSE(AI),CSE(DS),CSE(AIDS),CSE(CS),CSE(IOTCSIBCT),CSE(IOT),AIDS,IOT,AIML,CSD)
<b>CSE (Internet of things and Cyber security including Block chain Technology) (47)</b>	Probability and Statistics <b>R2022051</b> (Common to CSE,CST,CSE(AIML),CSE(AI),CSE(DS),CSE(AIDS),CSE(CS),CSE(IOTCSIBCT),CSE(CSBS),CSE(IOT),AIDS,AIML)	Database Management Systems <b>R2022052</b> (Common to CSE,CST,CSE(CS),CSE(IOTCSIBCT), CSE(CSBS),CSE(IOT), IOT)	Formal Languages and Automata Theory <b>R2022053</b> (Common to CSE,CST,CSE(AIML),CSE(AI),CSE(DS), CSE(AIDS),CSE(CS),CSE(IOTCSIBCT),CSE(IOT),AIDS,AIML,IOT)	Computer Organization & Architecture <b>R2022061</b> (Common to CST, CSE(CS), CSE(IOTCSIBCT), CSE(IOT),IOT)	Managerial Economics and Financial Accountancy <b>R2022055</b> (Common to CSE,CST,IT,MM,CSE(AIML),CSE(AI),CSE(DS),CSE(AIDS),CSE(CS),CSE(IOTCSIBCT),CSE(IOT),AIDS,IOT,AIML,CSD)
<b>CSE (Computer Science and Business System) (48)</b>	Probability and Statistics <b>R2022051</b> (Common to CSE,CST,CSE(AIML),CSE(AI),CSE(DS),CSE(AIDS),CSE(CS),CSE(IOTCSIBCT),CSE(CSBS),CSE(IOT),AIDS,IoT,AIML,CSD)	Database Management Systems <b>R2022052</b> (Common to CSE,CST,CSE(CS),CSE(IOTCSIBCT), CSE(CSBS),CSE(IOT), IOT)	Operating Systems <b>R2022481</b> (Common to CSE(CSBS), CS)	Java Programming <b>R2022054</b> (Common to CSE,IT,CSE(CSBS),CS)	Fundamentals of Economics <b>R2022482</b>
<b>CSE (Internet of Things) (49)</b>	Probability and Statistics <b>R2022051</b> (Common to CSE,CST,CSE(AIML),CSE(AI),CSE(DS),CSE(AIDS),CSE(CS),CSE(IOTCSIBCT),CSE(CSBS),CSE(IOT),AIDS,IoT,AIML,CSD)	Database Management Systems <b>R2022052</b> (Common to CSE,CST,CSE(CS),CSE(IOTCSIBCT),CSE(CSBS),CSE(IOT), IOT)	Formal Languages and Automata Theory <b>R2022053</b> (Common to CSE,CST,CSE(AIML),CSE(AI),CSE(DS),CSE(AIDS),CSE(CS),CSE(IOTCSIBCT),CSE(IOT),AIDS,AIML,IOT)	Computer Organization & Architecture <b>R2022061</b> (Common to CST, CSE(CS), CSE(IOTCSIBCT), CSE(IOT),IOT)	Managerial Economics and Financial Accountancy <b>R2022055</b> (Common to CSE,CST,IT,MM,CSE(AIML),CSE(AI),CSE(DS),CSE(AIDS),CSE(CS),CSE(IOTCSIBCT),CSE(IOT),AIDS,IOT,AIML,CSD)



**JAWAHARLAL NEHRU TECHNOLOGICAL UNIVERSITY KAKINADA**

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**II B.TECH II SEMESTER (R20 REGULATION) II MID & ONLINE QUIZ EXAMINATIONS, APRIL - 2024**

**TIME TABLE**

**TIME: 10.00 AM TO 12.00 NOON**

BRANCH	DAY AND DATE				
	15-04-2024 (Monday)	16-04-2024 (Tuesday)	18-04-2024 (Thursday)	19-04-2024 (Friday)	20-04-2024 (Saturday)
<b>FOOD ENGINEERING (51)</b>	Python Programming <b>R2022021</b> (Common to EEE, FE)	Principles of Food Engineering - II <b>R2022511</b>	Food Chemistry <b>R2022512</b>	Processing of Cereals, Pulses and Oilseeds <b>R2022513</b>	Managerial Economics & Financial Analysis <b>R2022015</b>
<b>ARTIFICIAL INTELLIGENCE AND DATA SCIENCE (54)</b>	Probability and Statistics <b>R2022051</b> (Common to CSE,CST,CSE(AIML),CSE(AI),CSE(DS),CSE(AIDS),CSE(CS),CSE(IOTCSIBCT),CSE(CSBS),CSE(IOT),AIDS,IoT,AIML,CSD)	Computer Organization <b>R2022421</b> (Common to CSE(AIML),CSE(AI),CSE(DS),CSE(AIDS),AIDS,AIML)	Formal Languages and Automata Theory <b>R2022053</b> (Common to CSE,CST,CSE(AIML),CSE(AI),CSE(DS),CSE(AIDS),CSE(CS),CSE(IOTCSIBCT),CSE(IOT),AIDS,AIML,IOT)	Data Warehousing and Mining <b>R2022422</b> (Comm to CSE(AIML),AI,DS,CSE(AIDS),AIDS,IOT,AIML,CSD)	Managerial Economics and Financial Accountancy <b>R2022055</b> (Common to CSE,CST,IT,MM,CSE(AIML),CSE(AI),CSE(DS),CSE(AIDS),CSE(CS),CSE(IOTCSIBCT),CSE(IOT),AIDS,IOT,AIML,CSD)
<b>PHARMACEUTICAL ENGINEERING (55)</b>	Heat Transfer for Pharmaceutical Engineers <b>R2022551</b>	Physical Pharmaceutics <b>R2022552</b>	Principles of Microbiology and Biochemistry <b>R2022553</b>	Reaction Engineering for Pharmaceutical Engineers <b>R2022554</b>	Anatomy and Physiology <b>R2022555</b>
<b>CYBER SECURITY (59)</b>	Probability and Statistics <b>R2022051</b> (Common to CSE,CST,CSE(AIML),CSE(AI),CSE(DS),CSE(AIDS),CSE(CS),CSE(IOTCSIBCT),CSE(CSBS),CSE(IOT),AIDS,IoT,AIML,CSD)	Database Management Systems <b>R2022052</b> (Common to CSE,CST,CSE(CS),CSE(IOTCSIBCT),CSE(CSBS),CSE(IOT), IOT)	Formal Languages and Automata Theory <b>R2022053</b> (Common to CSE,CST,CSE(AIML),CSE(AI),CSE(DS),CSE(AIDS),CSE(CS),CSE(IOTCSIBCT),CSE(IOT),AIDS,AIML,IOT)	Computer Organization & Architecture <b>R2022061</b> (Common to CST, CSE(CS), CSE(IOTCSIBCT), CSE(IOT),IOT)	Managerial Economics and Financial Accountancy <b>R2022055</b> (Common to CSE,CST,IT,MM,CSE(AIML),CSE(AI),CSE(DS),CSE(AIDS),CSE(CS),CSE(IOTCSIBCT),CSE(IOT),AIDS,IOT,AIML,CSD)
<b>INTERNET OF THINGS (60)</b>	Probability and Statistics <b>R2022051</b> (Common to CSE,CST,CSE(AIML),CSE(AI),CSE(DS),CSE(AIDS),CSE(CS),CSE(IOTCSIBCT),CSE(CSBS),CSE(IOT),AIDS,IoT,AIML,CSD)	Database Management Systems <b>R2022052</b> (Common to CSE,CST,CSE(CS),CSE(IOTCSIBCT),CSE(CSBS),CSE(IOT), IOT)	Formal Languages and Automata Theory <b>R2022053</b> (Common to CSE,CST,CSE(AIML),CSE(AI),CSE(DS),CSE(AIDS),CSE(CS),CSE(IOTCSIBCT),CSE(IOT),AIDS,AIML,IOT)	Computer Organization & Architecture <b>R2022061</b> (Common to CST, CSE(CS), CSE(IOTCSIBCT), CSE(IOT),IOT)	Managerial Economics and Financial Accountancy <b>R2022055</b> (Common to CSE,CST,IT,MM,CSE(AIML),CSE(AI),CSE(DS),CSE(AIDS),CSE(CS),CSE(IOTCSIBCT),CSE(IOT),AIDS,IOT,AIML,CSD)





II B.TECH II SEMESTER (R20)

# JAWAHARLAL NEHRU TECHNOLOGICAL UNIVERSITY KAKINADA

UNIVERSITY EXAMINATION CENTER, KAKINADA

## II B.TECH II SEMESTER (R20 REGULATION) II MID & ONLINE QUIZ EXAMINATIONS, APRIL - 2024

### TIME TABLE

TIME: 10.00 AM TO 12.00 NOON

BRANCH	DAY AND DATE				
	15-04-2024 (Monday)	16-04-2024 (Tuesday)	18-04-2024 (Thursday)	19-04-2024 (Friday)	20-04-2024 (Saturday)
<b>ARTIFICIAL INTELLIGENCE AND MACHINE LEARNING (61)</b>	Probability and Statistics <b>R2022051</b> (Common to CSE,CST,CSE(AIML),CSE(AI),CSE(DS),CSE(AIDS),CSE(CS),CSE(IOTCSIBCT),CSE(CSBS),CSE(IOT),AIDS,IoT,AIML,CSD)	Computer Organization <b>R2022421</b> (Common to CSE(AIML),CSE(AI),CSE(DS),CSE(AIDS),AIDS,AIML)	Formal Languages and Automata Theory <b>R2022053</b> (Common to CSE,CST,CSE(AIML),CSE(AI),CSE(DS),CSE(AIDS),CSE(CS),CSE(IOTCSIBCT),CSE(IOT),AIDS,AIML,IOT)	Data Warehousing and Mining <b>R2022422</b> (Comm to CSE(AIML),AIDS,CSE(AIDS),AIDS,IOT,AIML,CSD)	Managerial Economics and Financial Accountancy <b>R2022055</b> (Common to CSE,CST,IT,MM,CSE(AIML),CSE(AI),CSE(DS),CSE(AIDS),CSE(CS),CSE(IOTCSIBCT),CSE(IOT),AIDS,IOT,AIML,CSD)
<b>COMPUTER SCIENCE AND DESIGN (62)</b>	Probability and Statistics <b>R2022051</b> (Common to CSE,CST,CSE(AIML),CSE(AI),CSE(DS),CSE(AIDS),CSE(CS),CSE(IOTCSIBCT),CSE(CSBS),CSE(IOT),AIDS,IoT,AIML,CSD)	Computer Organization <b>R2022421</b> (Common to CSE(AIML),CSE(AI),CSE(DS),CSE(AIDS),AIDS,AIML)	Visual Design and Communication <b>R2022621</b>	Data Warehousing and Mining <b>R2022422</b> (Comm to CSE(AIML),AIDS,CSE(AIDS),AIDS,IOT,AIML,CSD)	Managerial Economics and Financial Accountancy <b>R2022055</b> (Common to CSE,CST,IT,MM,CSE(AIML),CSE(AI),CSE(DS),CSE(AIDS),CSE(CS),CSE(IOTCSIBCT),CSE(IOT),AIDS,IOT,AIML,CSD)

NOTE:

- (i) ANY OMISSIONS OR CLASHES IN THIS TIME TABLE MAY PLEASE BE INFORMED TO THE CONTROLLER OF EXAMINATIONS, IMMEDIATELY.
- (ii) EVEN IF GOVERNMENT DECLARES HOLIDAY ON ANY OF THE ABOVE DATES, THE EXAMINATIONS SHALL BE CONDUCTED AS USUAL.
- (iii) THE PRINCIPALS ARE REQUESTED TO INFORM THE UNIVERSITY ANY OTHER SUBSTITUTE SUBJECTS THAT ARE NOT INCLUDED IN THE ABOVE LIST IMMEDIATELY.

Date: 02-04-2024

Controller of Examinations (UG)



# JAWAHARLAL NEHRU TECHNOLOGICAL UNIVERSITY KAKINADA

UNIVERSITY EXAMINATION CENTER, KAKINADA

## III B.TECH II SEMESTER (R20 REGULATION) II MID & ONLINE QUIZ EXAMINATIONS, APRIL/MAY - 2024

### REVISED TIME TABLE

TIME: 02.30 PM TO 04.30 PM

BRANCH	DATE & DAY					
	29.04.2024 (Monday)	30.04.2024 (Tuesday)	01.05.2024 (Wednesday)	02.05.2024 (Thursday)	03.05.2024 (Friday)	04.05.2024 (Saturday)
<b>CIVIL ENGINEERING (01 CE)</b>	Design And Drawing of Steel Structures (R2032011)	Water Resource Engineering (R2032012)	Geotechnical Engineering-II (R2032013)	<b>Professional Elective (PE- II) :-</b> Advanced Structural Analysis R203201A Architecture and Town Planning R203201B Road Safety Engineering R203201C Traffic Engineering R203201D	<b>Open Elective (OE II) :-</b> Elements of Civil Engineering R203201E Environmental Engineering R203201F Disaster Management R203201G Water Resource Engineering R203201H Hydraulics and Hydraulic Machinery R203201I Green Technologies R203201J Remote Sensing and GIS R203201K (Common to CE,MM)	.....
<b>ELECTRICAL AND ELECTRONICS ENGINEERING (02 EEE)</b>	Microprocessors and Microcontrollers (R2032021)	Electrical Measurements and Instrumentation (R2032022)	Power System Analysis (R2032023)	<b>Professional Elective (PE) :-</b> Signal and Systems R203202A Electric Drives R203202B Advanced Control Systems R203202C Switchgear and Protection R203202D Big Data Analytics R203202E	<b>Open Elective (OE II) :-</b> Battery Management Systems and Charging Stations R203202F Fundamentals of utilization of Electrical Energy R203202G Indian Electricity Act R203202H	.....
<b>MECHANICAL ENGINEERING (03 ME)</b>	Heat Transfer (R2032031)	Design of Machine Members-II (R2031032)	Introduction to Artificial Intelligence and Machine Learning (R2032033)	<b>Professional Elective (PE) :-</b> Automobile Engineering R203203A Smart Manufacturing R203203B Advanced Mechanics of Solids R203203C Statistical Quality Control R203203D Industrial Hydraulics and Pneumatics R203203E	<b>Open Elective (OE II) :-</b> Industrial Robotics R203203G Essentials of Mechanical Engineering R203203H Advanced Materials R203203I Introduction to Automobile Engineering R203203J	.....



# JAWAHARLAL NEHRU TECHNOLOGICAL UNIVERSITY KAKINADA

UNIVERSITY EXAMINATION CENTER, KAKINADA

## III B.TECH II SEMESTER (R20 REGULATION) II MID & ONLINE QUIZ EXAMINATIONS, APRIL/MAY - 2024

### REVISED TIME TABLE

TIME: 02.30 PM TO 04.30 PM

BRANCH	DATE & DAY					
	29.04.2024 (Monday)	30.04.2024 (Tuesday)	01.05.2024 (Wednesday)	02.05.2024 (Thursday)	03.05.2024 (Friday)	04.05.2024 (Saturday)
<b>ELECTRONICS &amp; COMMUNICATION ON ENGINEERING (04 ECE)</b>	Microprocessor and Microcontrollers (R2032041)	VLSI Design (R2032042)	Digital Signal Processing (R2032043)	<u><b>Professional Elective (PE) :-</b></u> Microwave Engineering R203204A Mobile & Cellular Communication <b>R203204B</b> Embedded Systems R203204C CMOS Analog IC Design R203204D	<u><b>Open Elective (OE II) :-</b></u> Basics of Signals and Systems R203204E Electronic Measurements and Instrumentation <b>R203204F</b> Principles of Signal Processing R203204G Industrial Electronics R203204H Consumer Electronics R203204I Fundamentals of Microprocessors and Microcontrollers <b>R203204J</b> Transducers and Sensors R203204K IOT and Applications R203204L Soft Computing Techniques R203204M IC Applications R203204N Principles of Communications R203204O Basic Electronics R203204P Data Communications R203204Q Digital Logic Design R203204R Remote Sensing and GIS R203204S Bio Medical Instrumentation R203204T	.....
<b>COMPUTER SCIENE &amp; ENGINEERING (05 CSE)</b>	Machine Learning (R2032051) (Common to CSE,IT)	Compiler Design (R2032052)	Cryptography and Network Security (R2032053) (Common to CSE,IT)	<u><b>Professional Elective (PE) :-</b></u> Mobile Computing R203205A (Common to CSE,IT) Big Data Analytics R203205B Object Oriented Analysis and Design <b>R203205C</b> Network Programming R203205D (Comm to CSE,CSE(AIML),CSE(AI),AIML,CSD)	<u><b>Open Elective (OE II) :-</b></u> MEAN Stack Development R203205E <small>(Common to CSE,CSE(AIML),CSE(AI),CSE(DS),CSE(AIDS),AIDS,,AIML,CSD)</small> Python Programming R203205F (Common to CSE,IT) Web Technologies R203205G (Common to CSE,IT) Soft Computing R203205H Distributed Computing R203205I (Common to CSE,IT) AI and ML for Robotics R203205J (Common to CSE,IT) Computer Networks R203205K (Common to CSE,IT) Big Data Analytics <b>R203205L</b> (Common to CSE,IT) Computational Tools R203205M (Common to CSE,IT)	.....



# JAWAHARLAL NEHRU TECHNOLOGICAL UNIVERSITY KAKINADA

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## III B.TECH II SEMESTER (R20 REGULATION) II MID & ONLINE QUIZ EXAMINATIONS, APRIL/MAY - 2024

### REVISED TIME TABLE

TIME: 02.30 PM TO 04.30 PM

BRANCH	DATE & DAY					
	29.04.2024 (Monday)	30.04.2024 (Tuesday)	01.05.2024 (Wednesday)	02.05.2024 (Thursday)	03.05.2024 (Friday)	04.05.2024 (Saturday)
<b>INFORMATION TECHNOLOGY (12 IT)</b>	Machine Learning (R2032051) (Common to CSE,IT)	Big Data Analytics (R2032121) (Comm to IT,CSE(DS),CSE(AIDS), AIDS)	Cryptography and Network Security (R2032053) (Common to CSE,IT)	<u>Professional Elective (PE II) :-</u> Mobile Computing R203205A (Common to CSE,IT) MEAN Stack Development R203212A Design Patterns R203212B Scripting Languages R203212C	<u>Open Elective (OE II) :-</u> Python Programming R203205F (Common to CSE,IT) Web Technologies R203205G (Common to CSE,IT) Soft Computing R203205H (Common to CSE,IT) Distributed Computing R203205I (Common to CSE,IT) AI and ML for Robotics R203205J (Common to CSE,IT) Computer Networks R203205K (Common to CSE,IT) Big Data Analytics R203205L (Common to CSE,IT) Computational Tools R203205M (Common to CSE,IT)	.....
<b>AUTO MOBILE ENGINEERING (24 AME)</b>	Automobile Components and Chassis Design (R2032241)	Automobile Transmission Systems (R2032242)	Vehicle Body Engineering (R2032243)	<u>Professional Elective (PE II) :-</u> CFD for Automobile Applications R203224A Condition Monitoring R203224B Noise Vibrations and Harshness R203224C Mechatronics R203224D Measurements and Control Systems R203224E	<u>Open Elective (OE II) :-</u> Alternative Fuels for Automobiles R203224G Vehicle Stability and Control R203224H Electric Vehicles and Hybrid Technology R203224I	.....
<b>MINING ENGINEERING (26 MM)</b>	Surface Mining (R2032261)	Mine Legislation and Safety (R2032262)	Underground Metal Mining (R2032263)	<u>Professional Elective (PE) :-</u> Computer Applications and Tools R203226A Mine Economics R203226B Mine Mechanization R203226C Mine Automation R203226D	<u>Open Elective (OE II) :-</u> Mineral Economics, Business and Trade R203226E Landslides & Slope Stability Engineering R203226F Remote Sensing and GIS R203201K Geostatistics R203226G	.....



# JAWAHARLAL NEHRU TECHNOLOGICAL UNIVERSITY KAKINADA

UNIVERSITY EXAMINATION CENTER, KAKINADA

## III B.TECH II SEMESTER (R20 REGULATION) II MID & ONLINE QUIZ EXAMINATIONS, APRIL/MAY - 2024

### REVISED TIME TABLE

TIME: 02.30 PM TO 04.30 PM

BRANCH	DATE & DAY					
	29.04.2024 (Monday)	30.04.2024 (Tuesday)	01.05.2024 (Wednesday)	02.05.2024 (Thursday)	03.05.2024 (Friday)	04.05.2024 (Saturday)
<b>AGRICULTURAL ENGINEERING (35 AGE)</b>	Soil and Water Conservation Engineering (R2032351)	Farm Machinery and Equipment - II (R2032352)	Agricultural Process Engineering (R2032353)	<b>Professional Elective (PE) :-</b> Food Packaging Technology R203235A Watershed Management R203235B Human Engineering and Safety R203235C	<b>Open Elective (OE II) :-</b> Principles of Soil Science and Agronomy R203235D Farm Power and Tractor Systems R203235E Soil and Water Conservation Engineering R203235F Ground Water Hydrology, Wells and Pumps R203235G, Surface Water Hydrology R203235H, Post Harvest Engineering of Cereals, Pulses and Oilseeds R203235I, Agricultural Process Engineering R203235J	.....
<b>CSE (Artificial Intelligence and Machine Learning) (42)</b>	Computer Networks (R2032421) (Comm to CSE(AIML),CSE(AI), CSE(DS), CSE(AIDS), AIDS,AIML, CSD)	Deep Learning (R2032422) (Common to CSE{AIML}, CSE(AI),AIML)	Design and Analysis of Algorithms (R2032423) (Common to CSE(AIML),CSE(AI),CSE(DS),CSE(AIDS),AIDS,AIML,CSD)	<b>Professional Elective (PE) :-</b> Software Project Management R203242A (Comm to CSE(AIML),CSE(AI),CSE(DS),CSE(AIDS),AIDS,AIML,CSD) Distributed Systems R203242B (Comm to CSE(AIML),CSE(AI),CSE(DS),CSE(AIDS),AIDS,AIML,CSD) Internet of Things R203242C (Comm to CSE(AIML),CSE(AI),AIML) Network Programming R203205D (Comm to CSE,CSE(AIML),CSE(AI),AIML,CSD)	<b>Open Elective (OE I) :-</b> MEAN Stack Development R203205E (Common to CSE,CSE(AIML),CSE(AI),CSE(DS),CSE(AIDS),AIDS,AIML,CSD)	.....
<b>CSE (Artificial Intelligence) (43)</b>	Computer Networks (R2032421) (Comm to CSE(AIML),CSE(AI), CSE(DS), CSE(AIDS), AIDS,AIML, CSD)	Deep Learning (R2032422) (Common to CSE{AIML}, CSE(AI),AIML)	Design and Analysis of Algorithms (R2032423) (Common to CSE(AIML),CSE(AI), CSE(DS),CSE(AIDS), AIDS,AIML)	<b>Professional Elective (PE) :-</b> Software Project Management R203242A (Common to CSE(AIML),CSE(AI),CSE(DS),CSE(AIDS),AIDS,AIML,CSD) Distributed Systems R203242B (Common to CSE(AIML),CSE(AI),CSE(DS),CSE(AIDS),AIDS,AIML,CSD) Internet of Things R203242C (Common to CSE(AIML),CSE(AI),AIML) Network Programming R203205D (Comm to CSE,CSE(AIML),CSE(AI),AIML,CSD) Expert Systems R203243A	<b>Open Elective (OE II) :-</b> MEAN Stack Development R203205E (Common to CSE,CSE(AIML),CSE(AI),CSE(DS),CSE(AIDS),AIDS,AIML,CSD)	.....



# JAWAHARLAL NEHRU TECHNOLOGICAL UNIVERSITY KAKINADA

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## III B.TECH II SEMESTER (R20 REGULATION) II MID & ONLINE QUIZ EXAMINATIONS, APRIL/MAY - 2024

### REVISED TIME TABLE

TIME: 02.30 PM TO 04.30 PM

BRANCH	DATE & DAY					
	29.04.2024 (Monday)	30.04.2024 (Tuesday)	01.05.2024 (Wednesday)	02.05.2024 (Thursday)	03.05.2024 (Friday)	04.05.2024 (Saturday)
<b>CSE (Data Science) (44)</b>	Computer Networks <b>(R2032421)</b> (Comm to CSE(AIML),CSE(AI), CSE(DS), CSE(AIDS), AIDS,AIML, CSD)	Big Data Analytics <b>(R2032121)</b> (Common to IT,CSE(DS),CSE(AIDS),AIDS)	Design and Analysis of Algorithms <b>(R2032423)</b> (Common to CSE(AIML),CSE(AI),CSE(DS),CSE(AIDS),AIDS,AIML)	<b>Professional Elective (PE) :-</b> Deep Learning <b>R203244A</b> (Comm to CSE(DS),CSE(AIDS),AIDS,CSD) Software Project Management <b>R203242A</b> (Common to CSE(AIML),CSE(AI),CSE(DS),CSE(AIDS),AIDS,AIML,CSD) Distributed Systems <b>R203242B</b> (Common to CSE(AIML),CSE(AI),CSE(DS),CSE(AIDS),AIDS,AIML,CSD) Data Wrangling in Data Science <b>R203244B</b> (Comm to CSE(DS),CSE(AIDS),AIDS) ETL Principles <b>R203244C</b>	<b>Open Elective (OE II) :-</b> MEAN Stack Development <b>R203205E</b> (Common to CSE,CSE(AIML),CSE(AI),CSE(DS),CSE(AIDS),AIDS,AIML,CSD)	.....
<b>CSE (Artificial Intelligence and Data Science) (45)</b>	Computer Networks <b>(R2032421)</b> (Comm to CSE(AIML),CSE(AI), CSE(DS), CSE(AIDS), AIDS,AIML, CSD)	Big Data Analytics <b>(R2032121)</b> (Common to IT,CSE(DS),CSE(AIDS),AIDS)	Design and Analysis of Algorithms <b>(R2032423)</b> (Common to CSE(AIML),CSE(AI),CSE(DS),CSE(AIDS),AIDS,AIML)	<b>Professional Elective (PE) :-</b> Deep Learning <b>R203244A</b> (Comm to CSE(DS),CSE(AIDS),AIDS,CSD) Software Project Management <b>R203242A</b> (Common to CSE(AIML),CSE(AI),CSE(DS),CSE(AIDS),AIDS,AIML,CSD) Distributed Systems <b>R203242B</b> (Common to CSE(AIML),CSE(AI),CSE(DS),CSE(AIDS),AIDS,AIML,CSD) Data Wrangling in Data Science <b>R203244B</b> (Comm to CSE(DS),CSE(AIDS),AIDS) Snow Flake Cloud Analytics <b>R203245A</b> (Common to CSE(AIDS),AIDS)	<b>Open Elective (OE II) :-</b> MEAN Stack Development <b>R203205E</b> (Common to CSE,CSE(AIML),CSE(AI),CSE(DS),CSE(AIDS),AIDS,AIML,CSD)	.....
<b>CSE (Cyber Security) (46)</b>	Machine Learning <b>(R2032462)</b> (Common to CSE(CS),CSE(IOT),CS)	Cryptography and Network Security <b>(R2032461)</b> (Comm to CSE(CS),IOTCSIBCT,CS)	Introduction to Cyber Security <b>(R2032463)</b> (Common to CSE(CS),IOTCSIBCT,CS)	.....	<b>Open Elective (OE II) :-</b> Web Services <b>R203246B</b> (Comm to CSE(CS),IOTCSIBCT,CS)	.....



# JAWAHARLAL NEHRU TECHNOLOGICAL UNIVERSITY KAKINADA

UNIVERSITY EXAMINATION CENTER, KAKINADA

## III B.TECH II SEMESTER (R20 REGULATION) II MID & ONLINE QUIZ EXAMINATIONS, APRIL/MAY - 2024

### REVISED TIME TABLE

TIME: 02.30 PM TO 04.30 PM

BRANCH	DATE & DAY					
	29.04.2024 (Monday)	30.04.2024 (Tuesday)	01.05.2024 (Wednesday)	02.05.2024 (Thursday)	03.05.2024 (Friday)	04.05.2024 (Saturday)
CSE (Internet of things and Cyber security including Block chain Technology) (47)	Block Chain Technologies (R2032471)	Cryptography and Network Security (R2032461) (Common to IT,CSE(DS),CSE(AIDS), AIDS)	Introduction to Cybersecurity (R2032463) (Common to CSE(CS),IOTCSIBCT, CS)	.....	<b>Open Elective (OE II) :-</b> Web Services R203246B (Comm to CSE(CS)IOTCSIBCT,CS)	.....
CSE (Internet of Things) (49)	Machine Learning (R2032462) (Common to CSE(CS)CSE(IOT),CS )	Embedded System Design (R2032491)	Sensors and Actuator Devices for IoT (R2032492)	.....	<b>Open Elective (OE II) :-</b> Social Network and Semantic Web Course R203249B	.....
FOOD ENGINEERING (51)	Mass Transfer in Food Processing (R2032511)	Processing of Milk, Meat and Marine Products (R2032512)	Food Packaging Technologies (R2032513)	Separation Techniques in Food Processing R203251A Thermal Operations in Food Processing R203251B Automation in Food Industry R203251C	Membrane Technology in Food Engineering R203251D Renewable Energy Systems R203251E TQM in Food Industry R203251F	.....
ARTIFICIAL INTELLIGENCE AND DATA SCIENCE (54)	Computer Networks (R2032421) (Comm to CSE(AIML),CSE(AI), CSE(DS), CSE(AIDS), AIDS,AIML, CSD)	Big Data Analytics (R2032121) (Common to IT,CSE(DS),CSE(AIDS), AIDS)	Design and Analysis of Algorithms (R2032423) (Common to CSE(AIML),CSE(AI), CSE(DS),CSE(AIDS), AIDS,AIML)	<b>Professional Elective (PE) :-</b> Deep Learning R203244A (Common to CSE(DS),CSE(AIDS),AIDS,CSD) Software Project Management R203242A Distributed Systems R203242B (Common to CSE(AIML),CSE(AI),CSE(DS),CSE(AIDS),AIDS ,AIML,CSD) Data Wrangling in Data Science R203244B (Common to CSE(DS),CSE(AIDS),AIDS) Snow Flake Cloud Analytics R203245A (Common to CSE(AIDS),AIDS)	<b>Open Elective (OE II) :-</b> MEAN Stack Development R203205E (Common to CSE,CSE(AIML),CSE(AI),CSE(DS),CSE(AIDS),AIDS, ,AIML,CSD)	.....



# JAWAHARLAL NEHRU TECHNOLOGICAL UNIVERSITY KAKINADA

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## III B.TECH II SEMESTER (R20 REGULATION) II MID & ONLINE QUIZ EXAMINATIONS, APRIL/MAY - 2024

### REVISED TIME TABLE

TIME: 02.30 PM TO 04.30 PM

BRANCH	DATE & DAY					
	29.04.2024 (Monday)	30.04.2024 (Tuesday)	01.05.2024 (Wednesday)	02.05.2024 (Thursday)	03.05.2024 (Friday)	04.05.2024 (Saturday)
<b>PHARMACEUTICAL ENGINEERING (55)</b>	Pharmaceutical Engineering – II (R2032551)	Instrumental Methods of Analysis (R2032552)	Principles of Transducers and Measurements (R2032553)	<u>Professional Elective (PE) :-</u> Computer Aided Drug Design <b>R203255A</b> Pharmaceutical Regulatory Affairs <b>R203255B</b> Novel Drug Delivery Systems <b>R203255C</b>	<u>Open Elective (OE II) :-</u> Hospital Management and Information Systems <b>R203255D</b> Neural Networks and Fuzzy Logic <b>R203255E</b> Introduction to Database Management <b>R203255F</b>	Water Conservation Management (R2032554)
<b>CYBER SECURITY (59)</b>	Machine Learning (R2032462) (Common to CSE(CS),CSE(IOT),CS)	Cryptography and Network Security (R2032461) (Common to IT,CSE(DS),CSE(AIDS),AIDS)	Introduction to Cyber Security (R2032463) (Common to CSE(CS),IOTCSIBCT,CS)	.....	<u>Open Elective (OE II) :-</u> Web Services <b>R203246B</b> (Common to CSE(CS),IOTCSIBCT,CS)	.....
<b>ARTIFICIAL INTELLIGENCE AND MACHINE LEARNING (61)</b>	Computer Networks (R2032421) (Comm to CSE(AIML),CSE(AI), CSE(DS), CSE(AIDS), AIDS,AIML, CSD)	Deep Learning (R2032422) (Common to CSE{ AIML}, CSE(AI),AIML)	Design and Analysis of Algorithms (R2032423) (Common to CSE(AIML),CSE(AI),CSE(DS),CSE(AIDS),AIDS,AIML)	<u>Professional Elective (PE) :-</u> Software Project Management <b>R203242A</b> (Common to CSE(AIML),CSE(AI),CSE(DS),CSE(AIDS),AIDS,AIML,CSD) Distributed Systems <b>R203242B</b> (Common to CSE(AIML),CSE(AI),CSE(DS),CSE(AIDS),AIDS,AIML,CSD) Internet of Things <b>R203242C</b> (Common to CSE(AIML),CSE(AI),AIML) Network Programming <b>R203205D</b> (Comm to CSE,CSE(AIML),CSE(AI),AIML,CSD)	<u>Open Elective (OE II) :-</u> MEAN Stack Development <b>R203205E</b> (Common to CSE,CSE(AIML),CSE(AI),CSE(DS),CSE(AIDS),AIDS,AIML,CSD)	.....





# JAWAHARLAL NEHRU TECHNOLOGICAL UNIVERSITY KAKINADA

UNIVERSITY EXAMINATION CENTER, KAKINADA

## III B.TECH II SEMESTER (R20 REGULATION) II MID & ONLINE QUIZ EXAMINATIONS, APRIL/MAY - 2024

### REVISED TIME TABLE

TIME: 02.30 PM TO 04.30 PM

BRANCH	DATE & DAY					
	29.04.2024 (Monday)	30.04.2024 (Tuesday)	01.05.2024 (Wednesday)	02.05.2024 (Thursday)	03.05.2024 (Friday)	04.05.2024 (Saturday)
<b>COMPUTER SCIENCE AND DESIGN (62)</b>	Computer Networks <b>(R2032421)</b> (Comm to CSE(AIML),CSE(AI), CSE(DS), CSE(AIDS), AIDS,AIML, CSD)	Computer Aided Design <b>(R2032621)</b>	Design and Analysis of Algorithms <b>(R2031423)</b> (Common to CSE(AIML),CSE(AI),CSE(DS),CSE(AIDS),AIDS,AI ML)	<b>Professional Elective (PE) :-</b> Deep Learning <b>R203244A</b> (Common to CSE(DS),CSE(AIDS),AIDS,CSD) Software Project Management <b>R203242A</b> (Common to CSE(AIML),CSE(AI),CSE(DS),CSE(AIDS),AIDS ,AIML,CSD) Distributed Systems <b>R203242B</b> (Common to CSE(AIML),CSE(AI),CSE(DS),CSE(AIDS),AIDS ,AIML,CSD) Network Programming <b>R203205D</b> (Comm to CSE,CSE(AIML),CSE(AI),AIML,CSD)	<b>Open Elective (OE II) :-</b> MEAN Stack Development <b>R203205E</b> (Common to CSE,CSE(AIML),CSE(AI),CSE(DS),CSE(AIDS),AIDS, ,AIML,CSD)	.....

**NOTE:**

- (i) ANY OMISSIONS OR CLASHES IN THIS TIME TABLE MAY PLEASE BE INFORMED TO THE CONTROLLER OF EXAMINATIONS, IMMEDIATELY.
- (ii) EVEN IF GOVERNMENT DECLARES HOLIDAY ON ANY OF THE ABOVE DATES, THE EXAMINATIONS SHALL BE CONDUCTED AS USUAL.
- (iii) THE PRINCIPALS ARE REQUESTED TO INFORM THE UNIVERSITY ANY OTHER SUBSTITUTE SUBJECTS THAT ARE NOT INCLUDED IN THE ABOVE LIST IMMEDIATELY.

Date: 22-04-2024

  
Controller of Examinations (UG)



# JAWAHARLAL NEHRU TECHNOLOGICAL UNIVERSITY KAKINADA

UNIVERSITY EXAMINATION CENTER, KAKINADA

## II B.TECH I SEMESTER (R20 REGULATION) REGULAR/SUPPLEMENTARY EXAMINATIONS, DECEMBER - 2023

### TIME TABLE

TIME: 10.00 AM TO 01.00 PM

BRANCH	DAY AND DATE				
	16-12-2023 (Saturday)	19-12-2023 (Tuesday)	21-12-2023 (Thursday)	23-12-2023 (Saturday)	27-12-2023 (Wednesday)
<b>CIVIL ENGINEERING (01-CE)</b>	Mathematics -III <b>R2021011</b> (Except EEE,FE)	Strength of Materials-I <b>R2021012</b>	Fluid Mechanics <b>R2021013</b>	Surveying and Geometrics <b>R2021014</b>	Highway Engineering <b>R2021015</b>
<b>ELECTRICAL AND ELECTRONICS ENGINEERING (02-EEE)</b>	Mathematics – IV <b>R2021021</b>	Electronic Devices and Circuits <b>R2021022</b>	Electrical Circuit Analysis –II <b>R2021023</b>	DC Machines and Transformers <b>R2021024</b>	Electro Magnetic Fields <b>R2021025</b>
<b>MECHANICAL ENGINEERING (03-ME)</b>	Mathematics -III <b>R2021011</b> (Except EEE,FE)	Mechanics of Solids <b>R2021031</b> (Common to ME,AME)	Production Technology <b>R2021033</b>	Fluid Mechanics & Hydraulic Machines <b>R2021032</b> (Comm to ME,AME)	Kinematics of Machinery <b>R2021034</b>
<b>ELECTRONICS &amp; COMMUNICATION ENGINEERING (04-ECE)</b>	Mathematics -III <b>R2021011</b> (Except EEE,FE)	Electronic Devices and Circuits <b>R2021041</b> (Common to ECE,EIE,ECT)	Switching Theory and Logic Design <b>R2021042</b> (Common to ECE,EIE,ECT)	Signals and Systems <b>R2021043</b> (Common to ECE,EIE,ECT)	Random Variables and Stochastic Processes <b>R2021044</b> (Common to ECE,ECT)
<b>COMPUTER SCIENCE &amp; ENGINEERING (05-CSE)</b>	Mathematics -III <b>R2021011</b> (Except EEE,FE)	Mathematical Foundations of Computer Science <b>R2021054</b> (Comm to CSE, CST, CSE (AIML), AI,DS,CSE(AIDS),CSE (CS),IOTCSBT,CSBS,IOT,AIDS,CS,AIML,IOT,CSD)	Object Oriented Programming through C++ <b>R2021051</b> (Common to CSE,IT)	Operating Systems <b>R2021052</b> (Common to CSE,CST, IT,CS,IOTCSBT,IOT,CS)	Software Engineering <b>R2021053</b>
<b>COMPUTER SCIENCE &amp; TECHNOLOGY (06)</b>	Mathematics -III <b>R2021011</b> (Except EEE,FE)	Mathematical Foundations of Computer Science <b>R2021054</b> (Comm to CSE,CST,CSE(AIML), AI,DS,CSE(AIDS),CSE(CS),IOTCSBT,CSBS,IOT,AIDS,CS,AIML,IOT,CSD)	Data Structures <b>R2021061</b> (Common to CST,CSE (CS) CS,OITCSBT,CSBS,IOT,CS,IOT)	Operating Systems <b>R2021052</b> (Common to CSE,CST,IT, CSE(CS),IOTCSBT,IOT)	Java Programming <b>R2021062</b> (Comm to CST,CSE(CS), OITCSBT,IOT,CS,IOT)



II B.TECH I SEMESTER (R20)

**JAWAHARLAL NEHRU TECHNOLOGICAL UNIVERSITY KAKINADA**

UNIVERSITY EXAMINATION CENTER, KAKINADA

**II B.TECH I SEMESTER (R20 REGULATION) REGULAR/SUPPLEMENTARY EXAMINATIONS, DECEMBER - 2023****TIME TABLE****TIME: 10.00 AM TO 01.00 PM**

BRANCH	DAY AND DATE				
	16-12-2023 (Saturday)	19-12-2023 (Tuesday)	21-12-2023 (Thursday)	23-12-2023 (Saturday)	27-12-2023 (Wednesday)
<b>ELECTRONICS AND INSTRUMENTATION ENGINEERING (10-EIE)</b>	Mathematics -III <b>R2021011</b> (Except EEE,FE)	Electronic Devices and Circuits <b>R2021041</b> (Common to ECE,EIE,ECT)	Switching Theory and Logic Design <b>R2021042</b> (Common to ECE,EIE,ECT)	Signals and Systems <b>R2021043</b> (Common to ECE,EIE,ECT)	Electronic Measurements and Instrumentation <b>R2021101</b>
<b>INFORMATION TECHNOLOGY (12-IT)</b>	Mathematics -III <b>R2021011</b> (Except EEE,FE)	Discrete Mathematics and Graph Theory <b>R2021122</b>	Object Oriented Programming through C++ <b>R2021051</b> (Common to CSE, IT)	Operating Systems <b>R2021052</b> (Common to CSE,CST,IT,CS,IOTCSBT,IOT)	Database Management Systems <b>R2021121</b> (Common to IT,CSE(AIML), AIDS,CSE(AIDS), AIDS,AIML,CSD)
<b>ELECTRONICS &amp; COMMUNICATION TECHNOLOGY (14)</b>	Mathematics -III <b>R2021011</b> (Except EEE,FE)	Electronic Devices and Circuits <b>R2021041</b> (Common to ECE,EIE,ECT)	Switching Theory and Logic Design <b>R2021042</b> (Common to ECE,EIE,ECT)	Signals and Systems <b>R2021043</b> (Common to ECE,EIE,ECT)	Random Variables and Stochastic Process <b>R2021044</b> (Common to ECE,ECT)
<b>AUTO MOBILE ENGINEERING (24-AME)</b>	Mathematics -III <b>R2021011</b> (Except EEE,FE)	Mechanics of Solids <b>R2021031</b> (Common to ME,AME)	Thermodynamics <b>R2021241</b>	Fluid Mechanics & Hydraulic Machines <b>R2021032</b> (Comm to ME,AME)	Components of Automobile Chassis <b>R2021242</b>
<b>MINING ENGINEERING (26-MM)</b>	Mathematics -III <b>R2021011</b> (Except EEE,FE)	Development of Mineral Deposits <b>R2021261</b>	Mine Surveying <b>R2021262</b>	Engineering and Economic Geology <b>R2021263</b>	Mineral Processing Technology <b>R2021264</b>
<b>PETROLEUM ENGINEERING/PETROLEUM TECHNOLOGY (27-PE)</b>	Mathematics -III <b>R2021011</b> (Except EEE,FE)	Petroleum Geology <b>R2021271</b>	Fluid Mechanics for Petroleum Engineers <b>R2021272</b>	Heat Transfer Operations <b>R2021273</b>	Material and Energy Balances <b>R2021274</b>



**JAWAHARLAL NEHRU TECHNOLOGICAL UNIVERSITY KAKINADA**

UNIVERSITY EXAMINATION CENTER, KAKINADA

**II B.TECH I SEMESTER (R20 REGULATION) REGULAR/SUPPLEMENTARY EXAMINATIONS, DECEMBER - 2023**

**TIME TABLE**

**TIME: 10.00 AM TO 01.00 PM**

BRANCH	DAY AND DATE				
	16-12-2023 (Saturday)	19-12-2023 (Tuesday)	21-12-2023 (Thursday)	23-12-2023 (Saturday)	27-12-2023 (Wednesday)
<b>AGRICULTURAL ENGINEERING (35-AGE)</b>	Mathematics -III <b>R2021011</b> (Except EEE,FE)	Surveying and Leveling <b>R2021351</b>	Fluid Mechanics and Open Channel Hydraulics <b>R2021352</b>	Properties and Strength of Materials <b>R2021353</b>	Farm Power and Tractor Systems <b>R2021354</b>
<b>CSE (Artificial Intelligence and Machine Learning) (42)</b>	Mathematics -III <b>R2021011</b> (Except EEE,FE)	Mathematical Foundations of Computer Science <b>R2021054</b> (Comm to CSE,CST,CSE(AIML), AI,DS,CSE(AIDS),CSE(CS),IOTCSBT,CSBS ,IOT,AIDS,CS,AIML,IOT,CSD)	Introduction to Artificial Intelligence and Machine Learning <b>R2021421</b> (Common to CSE(AIML), AIML)	Object Oriented Programming with Java <b>R2021422</b> (Comm to CSE(AIML),AI,DS,CSE(AIDS), AIDS,AIML)	Database Management Systems <b>R2021121</b> (Common to IT,CSE(AIML),AI,DS, CSE(AIDS), AIDS,AIML,CSD)
<b>CSE (Artificial Intelligence) (43)</b>	Mathematics -III <b>R2021011</b> (Except EEE,FE)	Mathematical Foundations of Computer Science <b>R2021054</b> (Comm to CSE,CST,CSE(AIML), AI,DS,CSE(AIDS),CSE(CS),IOTCSBT,CSBS ,IOT,AIDS,CS,AIML,IOT,CSD)	Introduction to Artificial Intelligence <b>R2021431</b>	Object Oriented Programming with Java <b>R2021422</b> (Comm to CSE(AIML), AI,DS,CSE(AIDS),AIDS,AIML)	Database Management Systems <b>R2021121</b> (Common to IT,CSE(AIML) AI,DS,CSE(AIDS), AIDS,AIML, CSD)
<b>CSE (Data Science) (44)</b>	Mathematics -III <b>R2021011</b> (Except EEE,FE)	Mathematical Foundations of Computer Science <b>R2021054</b> (Comm to CSE,CST,CSE(AIML), AI,DS,CSE(AIDS),CSE(CS),IOTCSBT,CSBS ,IOT,AIDS,CS,AIML,IOT,CSD)	Fundamentals of Data Science <b>R2021441</b>	Object Oriented Programming with Java <b>R2021422</b> (Comm to CSE(AIML), AI,DS,CSE(AIDS),AIDS,AIML)	Database Management Systems <b>R2021121</b> (Common to IT,CSE(AIML) AI,DS,CSE(AIDS), AIDS,AIML, CSD)
<b>CSE (Artificial Intelligence and Data Science) (45)</b>	Mathematics -III <b>R2021011</b> (Except EEE,FE)	Mathematical Foundations of Computer Science <b>R2021054</b> (Comm to CSE,CST,CSE(AIML), AI,DS,CSE(AIDS),CS,IOTCSBT,CSBS,IOT, AIDS,AIML,IOT,CSD)	Introduction to Artificial Intelligence and Data Science <b>R2021451</b> (Comm to CSE(AIDS),AIDS)	Object Oriented Programming with Java <b>R2021422</b> (Comm to CSE(AIML),AI,DS,CSE(AIDS),AIDS, AIML)	Database Management Systems <b>R2021121</b> (Common to IT,CSE(AIML) AI,DS,CSE(AIDS), AIDS,AIML, CSD)



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### TIME TABLE

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BRANCH	DAY AND DATE				
	16-12-2023 (Saturday)	19-12-2023 (Tuesday)	21-12-2023 (Thursday)	23-12-2023 (Saturday)	27-12-2023 (Wednesday)
<b>CSE (Cyber Security) (46)</b>	Mathematics -III <b>R2021011</b> (Except EEE,FE)	Mathematical Foundations of Computer Science <b>R2021054</b> (Comm to CSE,CST,CSE(AIML), AIDS,CSE(AIDS),CSE(CS),IOTCSBT,CSBS ,IOT,AIDS,CS,AIML,IOT,CSD)	Data Structures <b>R2021061</b> (Common to CST,CSE(CS)CS, OITCSBT,CSBS,IOT,CS,IOT)	Operating Systems <b>R2021052</b> (Common to CSE,CST,IT,CS,IOTCSBT,IOT)	Java Programming <b>R2021062</b> (Comm to CST,CSE(CS),OITCSBT,IOT,CS,IOT)
<b>CSE (Internet of things and Cyber security including Block chain Technology) (47)</b>	Mathematics -III <b>R2021011</b> (Except EEE,FE)	Mathematical Foundations of Computer Science <b>R2021054</b> (Comm to CSE,CST, CSE(AIML),AIDS,CSE(AIDS), CSE(CS),IOTCSBT,CSBS,IOT, AIDS,CS,AIML,IOT,CSD)	Data Structures <b>R2021061</b> (Common to CST,CSE(CS)CS,OITCSBT,CSBS,IO T,CS,IOT)	Operating Systems <b>R2021052</b> (Common to CSE,CST,IT,CS,IOTCSBT,IOT)	Java Programming <b>R2021062</b> (Comm to CST,CSE(CS),OITCSBT,IOT,CS,IOT)
<b>CSE (Computer Science and Business System) (48)</b>	Mathematics -III <b>R2021011</b> (Except EEE,FE)	Mathematical Foundations of Computer Science <b>R2021054</b> (Comm to CSE,CST,CSE(AIML),AIDS, CSE(AIDS),CS,IOTCSBT,CSBS, IOT,AIDS,AIML)	Data Structures <b>R2021061</b> (Common to CST,CSE(CS)CS,OITCSBT,CSBS,IO T,CS,IOT)	Formal Languages & Automata Theory <b>R2021481</b>	Computer Organization & Architecture <b>R2021482</b>
<b>CSE (Internet of Things) (49)</b>	Mathematics -III <b>R2021011</b> (Except EEE,FE)	Mathematical Foundations of Computer Science <b>R2021054</b> (Comm to CSE,CST,CSE(AIML),AIDS, CSE(AIDS),CSE(CS),IOTCSBT,CSBS,IOT,A IDS,CS,AIML,IOT,CSD)	Data Structures <b>R2021061</b> (Common to CST,CSE(CS)CS,OITCSBT,CSBS,IO T,CS,IOT)	Operating Systems <b>R2021052</b> (Common to CSE,CST,IT,CS,IOTCSBT,IOT)	Java Programming <b>R2021062</b> (Comm to CST,CSE(CS),OITCSBT,IOT,CS,IOT)
<b>FOOD ENGINEERING (51)</b>	Probability and Statistics <b>R2021511</b>	Principles of Food Engineering -I <b>R2021512</b>	Mechanical Operations in Food Processing <b>R2021513</b>	Fluid Mechanics in Food Processing <b>R2021514</b>	Food Microbiology <b>R2021515</b>



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**II B.TECH I SEMESTER (R20 REGULATION) REGULAR/SUPPLEMENTARY EXAMINATIONS, DECEMBER - 2023**

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	16-12-2023 (Saturday)	19-12-2023 (Tuesday)	21-12-2023 (Thursday)	23-12-2023 (Saturday)	27-12-2023 (Wednesday)
<b>ARTIFICIAL INTELLIGENCE AND DATA SCIENCE (54)</b>	Mathematics -III <b>R2021011</b> (Except EEE,FE)	Mathematical Foundations of Computer Science <b>R2021054</b> (Comm to CSE,CST,CSE(AIML),AIDS, CSE(AIDS),CSE(CS),IOTCSBT,CSBS, IOT,AIDS,CS,AIML,IOT,CSD)	Introduction to Artificial Intelligence and Data Science <b>R2021451</b> (Comm to CSE(AIDS),AIDS)	Object Oriented Programming with Java <b>R2021422</b> (Comm to CSE(AIML),AIDS,CSE(AIDS), AIDS,AIML)	Database Management Systems <b>R2021121</b> (Common to IT,CSE(AIML) AI,DS,CSE(AIDS), AIDS,AIML, CSD)
<b>PHARMACEUTICAL ENGINEERING (55)</b>	Mathematics – III <b>R2021011</b> (Except EEE,FE) (Vector Calculus, Transforms and PDE)	Pharmacology <b>R2021551</b>	Material and Energy Balance Computations <b>R2021552</b>	Fluid Mechanics and Mechanical Unit Operations <b>R2021553</b>	Thermodynamics for pharmaceutical Engineers <b>R2021554</b>
<b>CYBER SECURITY (59)</b>	Mathematics -III <b>R2021011</b> (Except EEE,FE)	Mathematical Foundations of Computer Science <b>R2021054</b> (Comm to CSE,CST,CSE(AIML),AIDS, CSE(AIDS),CSE(CS),IOTCSBT,CSBS, IOT,AIDS,CS,AIML,IOT,CSD)	Data Structures <b>R2021061</b> (Common to CST,CSE(CS)CS,OITCSBT, CSBS,IOT,CS,IOT)	Operating Systems <b>R2021052</b> (Common to CSE,CST,IT,CSE(CS),IOTCSBT,IOT)	Java Programming <b>R2021062</b> (Comm to CST,CSE(CS),OITCSBT,IOT,CS,.,IOT)
<b>INTERNET OF THINGS (60)</b>	Mathematics -III <b>R2021011</b> (Except EEE,FE)	Mathematical Foundations of Computer Science <b>R2021054</b> (Comm to CSE,CST,CSE(AIML),AIDS, CSE(AIDS),CSE(CS),IOTCSBT,CSBS, IOT,AIDS,CS,AIML, IOT, CSD)	Data Structures <b>R2021061</b> (Common to CST,CSE(CS)CS,OITCSBT,C SBS,IOT,CS,IOT)	Operating Systems <b>R2021052</b> (Common to CSE,CST,IT,CS,IOTCSBT,IO T)	Java Programming <b>R2021062</b> (Comm to CST,CSE(CS),OITCSBT,IOT, CS,IOT)
<b>ARTIFICIAL INTELLIGENCE AND MACHINE LEARNING (61)</b>	Mathematics -III <b>R2021011</b> (Except EEE,FE)	Mathematical Foundations of Computer Science <b>R2021054</b> (Comm to CSE,CST, CSE (AIML),AIDS,CSE(AIDS),CSE(CS), IOTCSBT,CSBS,IOT,AIDS,CS,AIMLIOT,CS D)	Introduction to Artificial Intelligence and Machine Learning <b>R2021421</b> (Common to CSE(AIML),AIML)	Object Oriented Programming with Java <b>R2021422</b> (Comm to CSE(AIML),AIDS,CSE(AIDS),AIDS, AIML)	Database Management Systems <b>R2021121</b> (Common to IT,CSE(AIML) AI,DS,CSE(AIDS), AIDS,AIML, CSD)



II B.TECH I SEMESTER (R20)

# JAWAHARLAL NEHRU TECHNOLOGICAL UNIVERSITY KAKINADA

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## II B.TECH I SEMESTER (R20 REGULATION) REGULAR/SUPPLEMENTARY EXAMINATIONS, DECEMBER - 2023

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BRANCH	DAY AND DATE				
	16-12-2023 (Saturday)	19-12-2023 (Tuesday)	21-12-2023 (Thursday)	23-12-2023 (Saturday)	27-12-2023 (Wednesday)
<b>COMPUTER SCIENCE AND DESIGN (62)</b>	Mathematics -III <b>R2021011</b> (Except EEE,FE)	Mathematical Foundations of Computer Science <b>R2021054</b> (Comm to CSE,CST, CSE (AIML),AI,DS,CSE(AIDS),CSE(CS),OT CSBT,CSBS,IOT,AIDS,CS,AIML,IOT, CSD)	Computer Graphics <b>R2021621</b>	Multimedia and Application Development <b>R2021622</b>	Database Management Systems <b>R2021121</b> (Common to IT,CSE(AIML) AI,DS,CSE(AIDS), AIDS,AIML,CSD)

NOTE:

- (i) ANY OMISSIONS OR CLASHES IN THIS TIME TABLE MAY PLEASE BE INFORMED TO THE CONTROLLER OF EXAMINATIONS, IMMEDIATELY.
- (ii) EVEN IF GOVERNMENT DECLARES HOLIDAY ON ANY OF THE ABOVE DATES, THE EXAMINATIONS SHALL BE CONDUCTED AS USUAL.
- (iii) THE PRINCIPALS ARE REQUESTED TO INFORM THE UNIVERSITY ANY OTHER SUBSTITUTE SUBJECTS THAT ARE NOT INCLUDED IN THE ABOVE LIST IMMEDIATELY.

DATE: 27-11-2023

  
Controller of Examinations (UG)



# JAWAHARLAL NEHRU TECHNOLOGICAL UNIVERSITY KAKINADA

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## III B.TECH I SEMESTER (R20 REGULATION) REGULAR/SUPPLEMENTARY EXAMINATIONS, DECEMBER-2023

### TIME TABLE

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BRANCH	DATE & DAY						
	18-12-2023 (Monday)	20-12-2023 (Wednesday)	22-12-2023 (Friday)	26-12-2023 (Tuesday)	28-12-2023 (Thursday)	30-12-2023 (Saturday)	30-12-2023 (Saturday)
<b>CIVIL ENGINEERING (01 CE)</b>	Structural Analysis (R2031011)	Design And Drawing of Reinforced Concrete Structures (R2031012)	Geotechnical Engineering - I (R2031013)	<b>Professional Elective (PE) :-</b>  Construction Technology & Management R203101A / Remote Sensing and GIS R203101B / Environmental Impact Assessment R203101C / Low-Cost Housing R203101D	<b>Open Elective (OE I) :-</b>  Strength of Materials R203101E / Fluid Mechanics R203101F / Surveying and Geomatics R203101G / Highway Engineering R203101H / Safety Engineering R203101I / Environmental Management R203101J / Urban Planning R203101K	.....	Repair & Retro-Filling of Buildings (R203101P)
<b>ELECTRICAL AND ELECTRONIC ENGINEERING (02 EEE)</b>	Power Systems-II (R2031021)	Power Electronics (R2031022)	Control Systems (R2031023)	<b>Professional Elective (PE) :-</b>  Linear Ic Applications R203102A / Utilization Of Electrical Energy R203102B / Computer Architecture And Organization R203102C / Optimization Techniques R203102D / Object Oriented Programming Through Java R203102E / Optimization Techniques R203102D / Object Oriented Programming Through Java R203102E	<b>Open Elective (OE I) :-</b>  Renewable Energy Sources R203102F / Concepts Of Optimization Techniques R203102G / Concepts of Control Systems R203102H	Data Base Management Systems (R203105M)  Special Electrical Machines (R203102M)	Operating Systems (R203105N) Electrical Distribution Systems (203102N) Power Quality (R203102L)
<b>MECHANICAL ENGINEERING (03 ME)</b>	Thermal Engineering-II (R2031031)	Design of Machine Members-I (R2031032)	Machining, Machine Tools & Metrology (R2031033)	<b>Professional Elective (PE) :-</b>  Finite Element Methods R203103A / Industrial Robotics R203103B / Advanced Materials R203103C / Renewable Energy Sources R203103D / Mechanics of Composites R203103E / MOOCs (NPTEL/Swayam) R203103F	<b>Open Elective (OE I) :-</b>  Sustainable Energy Technologies R203103G / Operations Research R203103H / Nano Technology R203103I / Thermal Management of Electronic systems R203103J	Data Base Management Systems (R203105M)  Advanced Mechanics of Fluids (R203103K)	Operating Systems (R203105N)  Experimental Methods in Fluid Mechanics (R203103X)





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**III B.TECH I SEMESTER (R20 REGULATION) REGULAR/SUPPLEMENTARY EXAMINATIONS, DECEMBER-2023**  
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<b>ELECTRONIC S &amp; COMMUNICATION ENGINEERING (04 ECE)</b>	Analog ICs and Applications (R2031041)	Electromagnetic Waves and Transmission Lines (R2031042)	Digital Communications (R2031043)	<b>Professional Elective (PE I) :-</b>	<b>Open Elective (OE I) :-</b>	Data Base Management Systems (R203105M)	Operating Systems (R203105N)
				Antenna And Wave Propagation R203104A / Electronic Measurements & Instrumentation R203104B / Computer Architecture & Organization R203104C	Basics of Signals and Systems R203104D / Electronic Measurements and Instrumentation R203104E / Principles of Signal Processing R203104F / Industrial Electronics R203104G / Consumer Electronics R203104H / Fundamentals of Microprocessors and Microcontrollers R203104I / Transducers and Sensors R203104J / IOT and Applications R203104K / Soft Computing Techniques R203104L / IC Applications R203104M / Principles of Communications R203104N / Basic Electronics R203104O / Data Communications R203104P / Digital Logic Design R203104Q / Remote Sensing and GIS R203104R / Bio Medical Instrumentation R203104S / Introduction to Microprocessor and Microcontrollers R203114G		
<b>COMPUTER SCIENCE &amp; ENGINEERING (05 CSE)</b>	Computer Networks (R2031051) (Common to CSE,IT)	Design and Analysis of Algorithms (R2031052) (Common to CSE,IT)	Data Warehousing and Data Mining (R2031053)	<b>Professional Elective (PE II) :-</b>	<b>Open Elective (OE I) :-</b>	Electronics Devices And Basic Circuits (R203104T) Statistical Foundation For Data Science (R203105P) Text Mining And Time Series Analysis (R203105O)	Digital Electronics (R203104U) Data Visualization (R203105Q) Mathematics For Machine Learning (R203105R) Public Key Infrastructure and Trust Management (R203105S)
				Artificial Intelligence R203105A / Software Project Management R203105B / Distributed Systems R203105C / Advanced Unix Programming R193205D	Optimization in Operations Research R203105E / Data Structures R203105F / Object Oriented Progra. through JAVA R203105G / Data Base Management Systems R203105H / Computer Graphics R203105I / Advanced UNIX Programming R203105J / Computer Organization and Arch. R203105K / Operating Systems R203105L		



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<b>INFORMATION TECHNOLOGY (12 IT)</b>	Computer Networks (R2031051) (Common to CSE,IT)	Design and Analysis of Algorithms (R2031052) (Common to CSE,IT)	Data Mining Techniques (R2031121)	Professional Elective (PE II) :-  Artificial Intelligence R203105A / Distributed Systems R203105C / Advanced Unix Programming R203105D / Agile Software Process R203112A	Open Elective (OE I) :-  DevOps R203112B / Data Structures R203105F / Object Oriented Progra. through JAVA R203105G / Data Base Management Systems R203105H / Computer Graphics R203105I / Advanced UNIX Programming R203105J / Computer Organization and Arch. R203105K / Operating Systems R203105L	.....	.....
<b>AUTO MOBILE ENGINEERING (24 AME)</b>	Theory of Machines (R2031241)	Production Technology (R2031242)	Vehicle Dynamics (R2031243)	Professional Elective (PE) :-  Alternative Fuels for Engines R203124A / Two and Three Wheelers R203124B / Microprocessor and Micro Controllers R203124C / Heat Transfer R203124D / Industrial Hydraulics and Pneumatics R203124E / MOOC's/NPTEL R203124F	Open Elective (OE I) :-  Basic Automobile Engineering R203124G / Automobile Maintenance and Safety R203124H / Automobile Emissions and Effects R203124I	.....	.....
<b>MINING ENGINEERING (26 MM)</b>	Mine Hazards and Rescue (R2031261)	Underground Coal Mining (R2031262)	Mine Hoisting and Transportation (R2031263)	Professional Elective (PE) :-  Remote Sensing and GIS R203101B / Resource Evaluation and Geo-Statistics - R203126A / Mine Planning and Design R203126B / Mine Safety & Ergonomics R203126C	Open Elective (OE I) :-  Introduction to Underground Mining R203126D / Introduction to Surface Mining R203126E / Tunneling and Underground Space Design R203126F / Engineering Survey R203126G	.....	.....
<b>AGRICULTURAL ENGINEERING (35 AGE)</b>	Farm Machinery and Equipment - I (R2031351)	Surface Water Hydrology (R2031352)	Post Harvest Engineering of Cereals, Pulses and Oilseeds (R2031353)	Professional Elective - I  Seed Processing and Storage Engineering R203135A / Greenhouse Technology R203135B / Tractor Design and Testing R203135C	Open Elective - I  Principles of Soil Science and Agronomy R203135D / Farm Power and Tractor Systems R203135E / Soil and Water Conservation Engineering R203135F / Ground Water Hydrology, Wells and Pumps R203135G / Surface Water Hydrology R203135H / Post Harvest Engineering of Cereals Pulses and Oilseeds R203135I / Agricultural Process Engineering R203135J	.....	.....



# JAWAHARLAL NEHRU TECHNOLOGICAL UNIVERSITY KAKINADA

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CSE (Artificial Intelligence and Machine Learning) (42)	Compiler Design (R2031421) (Common to CSE(AIML), CSE(AI),CSE(DS),CSE(AIDS),AIDS,AIML,CSD)	Operating Systems (R2031422) (Common to CSE(AIML), CSE(AI),CSE(DS),CSE(AIDS),AIDS,AIML,CS D)	Machine Learning (R2031423) (Common to CSE(AIML),CSE(AI), CSE(DS),CSE(AIDS), AIDS,AIML)	<u>Professional Elective (PE) :-</u>	<u>Open Elective (OE I) :-</u>	.....	.....
				Software Engineering R203142A / Computer Vision R203142B / Data Visualization R203142C / DevOps R203142D / MOOC's-NPTEL R203142E	Optimization in Operations Research R203105E		
CSE (Artificial Intelligence) (43)	Compiler Design (R2031421) (Common to CSE(AIML), CSE(AI),CSE(DS),CSE(AIDS),AIDS,AIML,CSD)	Operating Systems (R2031422) (Common to CSE(AIML), CSE(AI),CSE(DS),CSE(AIDS),AIDS,AIML,CS D)	Machine Learning (R2031423) (Common to CSE(AIML),CSE(AI), CSE(DS),CSE(AIDS), AIDS,AIML)	<u>Professional Elective (PE) :-</u>	<u>Open Elective (OE I) :-</u>	.....	.....
				Software Engineering R203142A / Computer Vision R203142B / Data Visualization R203142C / DevOps R203142D	Optimization in Operations Research R203105E		
CSE (Data Science) (44)	Compiler Design (R2031421) (Common to CSE(AIML), CSE(AI),CSE(DS),CSE(AIDS),AIDS,AIML,CSD)	Operating Systems (R2031422) (Common to CSE(AIML), CSE(AI),CSE(DS),CSE(AIDS),AIDS,AIML,CS D)	Machine Learning (R2031423) (Common to CSE(AIML),CSE(AI), CSE(DS),CSE(AIDS), AIDS,AIML)	<u>Professional Elective (PE) :-</u>	<u>Open Elective (OE I) :-</u>	.....	.....
				Software Engineering R203142A / DevOps R203142D / Object Oriented Analysis and Design R203144A / Internet of Things R203144B	Optimization in Operations Research R203105E		
CSE (Artificial Intelligence and Data Science) (45)	Compiler Design (R2031421) (Common to CSE(AIML), CSE(AI),CSE(DS),CSE(AIDS),AIDS,AIML,CSD)	Operating Systems (R2031422) (Common to CSE(AIML), CSE(AI),CSE(DS),CSE(AIDS),AIDS,AIML,CS D)	Machine Learning (R2031423) (Common to CSE(AIML),CSE(AI), CSE(DS),CSE(AIDS), AIDS,AIML)	<u>Professional Elective (PE) :-</u>	<u>Open Elective (OE I) :-</u>	.....	.....
				Software Engineering R203142A / Object Oriented Analysis and Design R203144A / Internet of Things R203144B / DevOps R203142D	Optimization in Operations Research R203105E		
CSE (Cyber Security) (46)	Computer Networks (R2031461) (Common to CSE(CS),IOTCSIB CT,CSE(IOT),CS, CSBS)	Software Engineering (R2031462) (Common to CSE(CS),CS)	Design and Analysis of Algorithms (R2031463) (Common to CSE(CS),IOTCSOB CT,CSE(IOT),CS)	<u>Professional Elective (PE) :-</u>	<u>Open Elective (OE I) :-</u>	.....	.....
				Computer Graphics R203146A / Artificial Intelligence R203146B / Compiler Design R203146C / Advanced Data Structures R203146D / Principles of Programming Languages R203146E	Web Technologies R203146F / Data Structures R203146G / Computer Networks R203146H / Data Base Management Systems R203146I / Problem Solving using Python R203146J		



# JAWAHARLAL NEHRU TECHNOLOGICAL UNIVERSITY KAKINADA

UNIVERSITY EXAMINATION CENTER, KAKINADA

## III B.TECH I SEMESTER (R20 REGULATION) REGULAR/SUPPLEMENTARY EXAMINATIONS, DECEMBER-2023

### TIME TABLE

TIME: 10.00 AM TO 01.00 PM

BRANCH	DATE & DAY						
	18-12-2023 (Monday)	20-12-2023 (Wednesday)	22-12-2023 (Friday)	26-12-2023 (Tuesday)	28-12-2023 (Thursday)	30-12-2023 (Saturday)	30-12-2023 (Saturday)
CSE (Internet of things and Cyber security including Block chain Technology) (47)	Computer Networks (R2031461) <small>(Common to CSE(CS),IOTCSIBCT,CSE(IOT),CS,CSBS)</small>	IoT Architecture and its Protocols (R2031471) <small>(Common to IOTCSIBCT,CSE(IOT))</small>	Design and Analysis of Algorithms (R2031463) <small>(Common to CSE(CS),IOTCSOBC T,CSE(IOT),CS)</small>	<u>Professional Elective (PE) :-</u>	<u>Open Elective (OE I) :-</u>	.....	.....
				Data Warehousing & Data Mining R203147A / Compiler Design R203146C / Software Engineering R203142A / Micro Processors & Micro Controllers R203147B / Computer Graphics R203146A	Web Technologies R203147C / Data Structures R203147D / Computer Networks R203147E / Data Base Management Systems R203147F / Problem Solving using Python R203147G / Open Electives offered by other Departments R203148D		
CSE (Internet of Things) (49)	Computer Networks (R2031461) <small>(Common to CSE(CS),IOTCSIBCT,CSE(IOT),CS,CSBS)</small>	IoT Architecture and its Protocols (R2031471) <small>(Common to IOTCSIBCT,CSE(IOT))</small>	Design and Analysis of Algorithms (R2031463) <small>(Common to CSE(CS),IOTCSOBC T,CSE(IOT),CS)</small>	<u>Professional Elective (PE) :-</u>	<u>Open Elective (OE I) :-</u>	.....	.....
				Compiler Design R203146C / Software Engineering R203142A / Computer Graphics R203146A / Principles of Programming Languages R203146E / Advanced Computer Architecture R203149A	Natural Language Processing R203149B / Data Structures R203149C / Computer Networks R203149D / Data Base Management System R203149E / Problem Solving using Python R203149F		
FOOD ENGINEERING (51)	Heat Transfer in Food Processing (R2031511)	Processing of Fruits Vegetables Spices and Plantation Crops (R2031512)	Food Plant Design and Process Economics (R2031513)	Transport Phenomena in Food Engineering R203151A / Statistical Methods in Food Engineering R203151B / Process Modeling and Simulation R203151C	Food Material Science and Engineering R203151D / Biochemical Engineering R203151E / Food Thermodynamics R203151F	.....	.....
ARTIFICIAL INTELLIGENCE AND DATA SCIENCE (54)	Compiler Design (R2031421) <small>(Common to CSE(AIML), CSE(AI),CSE(DS), CSE(AIDS),AIDS, AIML,CSD)</small>	Operating Systems (R2031422) <small>(Common to CSE(AIML), CSE(AI),CSE(DS),CSE(AIDS),AIDS,AIML,CSD)</small>	Machine Learning (R2031423) <small>(Common to CSE(AIML),CSE(AI),CSE(DS),CSE(AIDS),AIDS,AIML)</small>	<u>Professional Elective (PE) :-</u>	<u>Open Elective (OE I) :-</u>	.....	.....
				Software Engineering R203142A / DevOps R203142D / Object Oriented Analysis and Design R203144A / Internet of Things R203144B	Optimization in Operations Research R203105E		
PHARMACEUTICAL ENGINEERING (55)	Managerial Economics and Financial Accountancy (R2031551)	Pharmaceutical Engineering-I (R2031552)	Biopharmaceutics and Pharmacokinetics (R2031553)	<u>Professional Elective (PE) :-</u>	<u>Open Elective (OE I) :-</u>	Biostatistics R2031554	.....
				Quality Control and Assurance R203155A / Food Processing Technology R203155B / Pharmaceutical Biotechnology R203155C	Non-Conventional Energy Sources R203155D / Introduction to Data Structures R203155E / Design and Analysis of Experiments R203155F		



# JAWAHARLAL NEHRU TECHNOLOGICAL UNIVERSITY KAKINADA

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## III B.TECH I SEMESTER (R20 REGULATION) REGULAR/SUPPLEMENTARY EXAMINATIONS, DECEMBER-2023

### TIME TABLE

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BRANCH	DATE & DAY						
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<b>CYBER SECURITY (59)</b>	Computer Networks <b>(R2031461)</b> <small>(Common to CSE(CS),IOTCSIB CT,CSE(IOT),CS,C SBS)</small>	Software Engineering <b>(R2031462)</b> <small>(Common to CSE(CS),CS)</small>	Design and Analysis of Algorithms <b>(R2031463)</b> <small>(Common to CSE(CS),IOTCSOB CT,CSE(IOT),CS)</small>	Professional Elective (PE) :-  Computer Graphics <b>R203146A</b> / Artificial Intelligence <b>R203146B</b> / Compiler Design <b>R203146C</b> / Advanced Data Structures <b>R203146D</b> / Principles of Programming Languages <b>R203146E</b>	Open Elective (OE I) :-  Web Technologies <b>R203146F</b> / Data Structures <b>R203146G</b> / Computer Networks <b>R203146H</b> / Data Base Management Systems <b>R203146I</b> / Problem Solving using Python <b>R203146J</b>	.....	.....
<b>ARTIFICIAL INTELLIGENCE AND MACHINE LEARNING (61)</b>	Compiler Design <b>(R2031421)</b> <small>(Common to CSE(AIML), CSE(AI),CSE(DS), CSE(AIDS),AIDS, AIML,CSD)</small>	Operating Systems <b>(R2031422)</b> <small>(Common to CSE(AIML), CSE(AI),CSE(DS),CSE(AIDS),AIDS,AIML, CSD)</small>	Machine Learning <b>(R2031423)</b> <small>(Common to CSE(AIML),CSE(AI),CSE(DS),CSE(AIDS),AIDS,AIML)</small>	Professional Elective (PE) :-  Software Engineering <b>R203142A</b> / Computer Vision <b>R203142B</b> / Data Visualization <b>R203142C</b> / DevOps <b>R203142D</b> / MOOC's/NPTEL <b>R203142E</b>	Open Elective (OE I) :-  Optimization in Operations Research <b>R203105E</b>	.....	.....
<b>COMPUTER SCIENCE AND DESIGN (62)</b>	Compiler Design <b>(R2031421)</b> <small>(Common to CSE(AIML), CSE(AI),CSE(DS), CSE(AIDS),AIDS, AIML,CSD)</small>	Operating Systems <b>(R2031422)</b> <small>(Common to CSE(AIML), CSE(AI),CSE(DS),CSE(AIDS),AIDS,AIML, CSD)</small>	Human Computer Interaction <b>(R2031621)</b>	Professional Elective (PE) :-  Software Engineering <b>R203142A</b> / Object Oriented Analysis and Design <b>R203144A</b> / Internet of Things <b>R203144B</b> / DevOps <b>R203142D</b>	Open Elective (OE I) :-  Optimization in Operations Research <b>R203105E</b>	.....	.....

**NOTE:**

- (i) ANY OMISSIONS OR CLASHES IN THIS TIME TABLE MAY PLEASE BE INFORMED TO THE CONTROLLER OF EXAMINATIONS, IMMEDIATELY.
- (ii) EVEN IF GOVERNMENT DECLARES HOLIDAY ON ANY OF THE ABOVE DATES, THE EXAMINATIONS SHALL BE CONDUCTED AS USUAL.
- (iii) THE PRINCIPALS ARE REQUESTED TO INFORM THE UNIVERSITY ANY OTHER SUBSTITUTE SUBJECTS THAT ARE NOT INCLUDED IN THE ABOVE LIST IMMEDIATELY.

DATE: 27-11-2023

*H. R. K. K.*  
Controller of Examinations (UG)



**JAWAHARLAL NEHRU TECHNOLOGICAL UNIVERSITY KAKINADA**  
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**IV B.TECH - I SEMESTER (R20) REGULAR EXAMINATIONS, JANUARY - 2024**

**T I M E T A B L E**

**TIME : 10.00 AM TO 01.00 PM**

Branch	DATE & DAY							
	02-01-2024 (Tuesday)	04-01-2024 (Thursday)	06-01-2024 (Saturday)	08-01-2024 (Monday)	10-01-2024 (Wednesday)	12-01-2024 (Friday)	18-01-2024 (Thursday)	20-01-2024 (Saturday)
<b>Civil Engineering (01)</b>	Universal Human Values-2: Understanding Harmony (R2041011) <i>(Common to CE, EEE, ME, ECE, CSE, IT, AME, MiE, AgriE, CSE(AIML), CSE(AI), CSE(DS), CSE(AIDS), CSE(CS), CSE(IOTCSIBCT), CSE(IOT), FE, AIDS, CS, AIML, CSD)</i>	<b>Professional Elective-III</b> : Advanced Structural Engineering (R204101A)/ Bridge Engineering (R204101B)/ Structural Dynamics (R204101C)/ Urban Transportation Planning (R204101D)	<b>Professional Elective-IV</b> : Ground Improvement Techniques (R204101E)/ Geo-Spatial Technologies (R204101F)/ Disaster Management & Mitigation (R204101G)/ Soil dynamics & Machine Foundations (R204101H)	<b>Professional Elective-V</b> : Design & Drawing of Irrigation Structures (R204101I)/ Earth & Rock fill Dams (R204101J)/ Urban Hydrology (R204101K)/ SWAYAM / NPTEL /MOOCS COURSES (12 weeks duration) (R204101L)	<b>Open Elective-III</b> : Strength of Materials (R204101M)/ Fluid Mechanics (R204101N)/ Surveying and Geomatics (R204101O)/ Highway Engineering (R204101P)/ Safety Engineering (R204101Q)/ Environmental Management (R204101R)/ Urban Planning (R204101S)	<b>Open Elective-IV</b> : Elements of Civil Engineering (R204101T)/ Environmental Engineering (R204101U)/ Disaster Management (R204101V)/ Water Resource Engineering (R204101W)/ Hydraulics and Hydraulic Machinery (R204101X)/ Green Technologies (R204101Y)/ Remote Sensing and GIS (R204101Z)	.....	.....
<b>Electrical &amp; Electronics Engineering (02)</b>	Universal Human Values-2: Understanding Harmony (R2041011) <i>(Common to CE, EEE, ME, ECE, CSE, IT, AME, MiE, AgriE, CSE(AIML), CSE(AI), CSE(DS), CSE(AIDS), CSE(CS), CSE(IOTCSIBCT), CSE(IOT), FE, AIDS, CS, AIML, CSD)</i>	<b>Professional Elective-III</b> : Digital Signal Processing (R204102A)/ Renewable and Distributed Energy Technologies (R204102B)/ Flexible Alternating Current Transmission Systems (R204102C)/ Power Systems Deregulation (R204102D)/ Data Base Management Systems (R204102E)	<b>Professional Elective-IV</b> : Hybrid Electric Vehicles (R204102F)/ High Voltage Engineering (R204102G)/ Programmable Logic Controllers and Applications (R204102H)	<b>Professional Elective-V</b> : Power System Operation and Control (R204102I)/ Switched Mode Power Conversion (R204102J)/ AI Applications to Electrical Engineering (R204102K)	<b>Open Elective-III</b> : Concepts of Microprocessors and Microcontrollers (R204102L)/ Fundamentals of Electric Vehicles (R204102M)/ Concepts of Internet of Things (R204102N)	<b>Open Elective-IV</b> : Concepts of Power System Engineering (R204102O)/ Concepts of Smart Grid Technologies (R204102P)	Data Science (R204105R) <i>(Common to EEE PE-V &amp; CSE, IT, CSE(AIML), CSE(AI), CSE(DS), CSE(AIDS), AIDS, AIML, CSD OE-3)</i>	Deep Learning Techniques (R204105E) <i>(Common to EEE, CSE, IT, PE-IV &amp; CSE, IT, CSE(AIML), CSE(AI), CSE(DS), CSE(AIDS), AIDS, AIML, CSD OE-4)/</i> MEAN Stack Technologies (R204105V) <i>(Common to EEE PE-V &amp; CSE, IT, CSE(AIML), CSE(AI), CSE(DS), CSE(AIDS), AIDS, AIML, CSD OE-4)</i> Cloud Computing with AWS (R204105W) <i>(Common to EEE PE-IV &amp; CSE, IT, CSE(AIML), CSE(AI), CSE(DS), CSE(AIDS), AIDS, AIML, CSD OE-4)</i>



**JAWAHARLAL NEHRU TECHNOLOGICAL UNIVERSITY KAKINADA**  
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**IV B.TECH - I SEMESTER (R20) REGULAR EXAMINATIONS, JANUARY - 2024**  
**TIME TABLE**

**TIME : 10.00 AM TO 01.00 PM**

Branch	DATE & DAY							
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<b>Mechanical Engineering (03)</b>	Universal Human Values-2: Understanding Harmony <b>(R2041011)</b> <i>(Common to CE, EEE, ME, ECE, CSE, IT, AME, MIE, AgriE, CSE(AIML), CSE(AI), CSE(DS), CSE(AIDS), CSE(CS), CSE(IOTCSIBCT), CSE(IOT), FE, AIDS, CS, AIML, CSD)</i>	<b>Professional Elective-III</b> : Mechanical Vibrations <b>(R204103A)</b> / Operations Research <b>(R204103B)</b> / Unconventional Machining Processes <b>(R204103C)</b> / Computational Fluid Dynamics <b>(R204103D)</b> / Gas Dynamics and Jet Propulsion <b>(R204103E)</b> / MOOCs (NPTEL/Swayam) Course (12 Week duration) <b>(R204103F)</b>	<b>Professional Elective-IV</b> : Automation in Manufacturing <b>(R204103G)</b> / Power Plant Engineering <b>(R204103H)</b> / Big Data Analytics <b>(R204103I)</b> / Production Planning and Control <b>(R204103J)</b> / Condition Monitoring <b>(R204103K)</b> / MOOCs (NPTEL/Swayam) Course (12 Week duration) <b>(R204103L)</b>	<b>Professional Elective-V</b> : Advanced Manufacturing Processes <b>(R204103M)</b> / Refrigeration & Air-Conditioning <b>(R204103O)</b> / Non Destructive Evaluation <b>(R204103Q)</b> / MOOCs (NPTEL/Swayam) Course (12 Week duration) <b>(R204103R)</b>	<b>Open Elective-III</b> : Finite Element Methods <b>(R204103S)</b> / Introduction to Artificial Intelligence & Machine Learning <b>(R204103T)</b>	<b>Open Elective-IV</b> : Optimization Techniques <b>(R204103U)</b> / Smart Manufacturing <b>(R204103V)</b> / Safety Engineering <b>(R204103W)</b> / Operations Management <b>(R204103X)</b>	Mechatronics <b>(R204103N)</b> <i>(Common to PE-V &amp; OE-3)</i> / Additive Manufacturing <b>(R204103P)</b> <i>(Common to PE-V &amp; OE-3)</i>	.....



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<b>Electronics &amp; Communication Engineering (04)</b>	Universal Human Values-2: Understanding Harmony <b>(R2041011)</b> <i>(Common to CE, EEE, ME, ECE, CSE, IT, AME, MiE, AgriE, CSE(AIML), CSE(AI), CSE(DS), CSE(AIDS), CSE(CS), CSE(IOTCSIBCT), CSE(IOT), FE, AIDS, CS, AIML, CSD)</i>	<b>Professional Elective-III</b> : Optical Communication <b>(R204104A)</b> / Digital Image Processing <b>(R204104B)</b> / Low Power VLSI Design <b>(R204104C)</b>	<b>Professional Elective-IV</b> : Satellite Communications <b>(R204104D)</b> / Soft Computing Techniques <b>(R204104E)</b> / Digital IC Design using CMOS <b>(R204104F)</b>	<b>Professional Elective-V</b> : Radar engineering <b>(R204104G)</b> / Pattern recognition & Machine Learning <b>(R204104H)</b> / Internet of Things <b>(R204104I)</b>	<b>Open Elective-III</b> : Basics of Signals and Systems <b>(R204104J)</b> / Electronic Measurements and Instrumentation <b>(R204104K)</b> / Principles of Signal Processing <b>(R204104L)</b> / Industrial Electronics <b>(R204104M)</b> / Consumer Electronics <b>(R204104N)</b> / Fundamentals of Microprocessors and Microcontrollers <b>(R204104O)</b> / Transducers and Sensors <b>(R204104P)</b> / IOT and Applications <b>(R204104Q)</b>	<b>Open Elective-IV</b> : Soft Computing Techniques <b>(R204104R)</b> / Principles of Communications <b>(R204104T)</b> / Basic Electronics <b>(R204104U)</b> / Data Communications <b>(R204104V)</b> / Digital Logic design <b>(R204104W)</b> / Remote Sensing and GIS <b>(R204104X)</b> / Bio Medical Instrumentation <b>(R204104Y)</b>	<b>Open Elective-IV</b> : IC Applications <b>(R204104S)</b>	.....





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<b>Computer Science &amp; Engineering (05)</b>	Universal Human Values-2: Understanding Harmony <b>(R2041011)</b> <i>(Common to CE, EEE, ME, ECE, CSE, IT, AME, MiE, AgriE, CSE(AIML), CSE(AI), CSE(DS), CSE(AIDS), CSE(CS), CSE(IOTCSIBCT), CSE(IOT), FE, AIDS, CS, AIML, CSD)</i>	<b>Professional Elective-III</b> : Cloud Computing <b>(R204105A)</b> <i>(Common to CSE, IT)</i> / Neural Networks and Soft Computing <b>(R204105B)</b> / Ad-hoc and Sensor Networks <b>(R204105C)</b> / Cyber Security & Forensics <b>(R204105D)</b> <i>(Common to CSE, IT)</i>	<b>Professional Elective-IV</b> : Computer Vision <b>(R204105G)</b> <i>(Common to CSE, CSE(AIDS), AIDS, CSD)</i> / MOOCS-NPTEL/SWAYAM <b>(R204105H)</b>	<b>Professional Elective-V</b> : Wireless Network Security <b>(R204105J)</b> / Ethical Hacking <b>(R204105K)</b> <i>(Common to CSE, IT)</i> / MOOCS-NPTEL/SWAYAM <b>(R204105L)</b> / Block Chain Technologies <b>(R204105I)</b> <i>(Common to CSE, IT)</i>	<b>Open Elective-III</b> : API and Microservices (Job Oriented Course) <b>(R204105M)</b> / AI Tools & Techniques <b>(R204105N)</b> / Image Processing <b>(R204105O)</b> / Information Security <b>(R204105P)</b> / Mobile Application Development <b>(R204105Q)</b> / Cyber Security <b>(R204105S)</b> / Introduction to Internet of Things <b>(R204105T)</b> <i>(Common to OE-III as CSE, IT, CSE(AIML), CSE(AI), CSE(DS), CSE(AIDS), AIDS, AIML, CSD)</i>	<b>Open Elective-IV</b> : Secure Coding Techniques (Job Oriented Course) <b>(R204105U)</b> / Block Chain Technologies <b>(R204105X)</b> / Introduction to Machine Learning <b>(R204105Z)</b> / Machine Learning with Python <b>(R2041051)</b> <i>(Common to OE-IV as CSE, IT, CSE(AIML), CSE(AI), CSE(DS), CSE(AIDS), AIDS, AIML, CSD)</i>	Social Network And Semantic Web (Job Oriented Course) <b>(R204105F)</b> <i>(Common to CSE, PE-IV &amp; CSE(IOTCSIBCT) OE-3)</i> / Data Science <b>(R204105R)</b> <i>(Common to EEE PE-V &amp; CSE, IT, CSE(AIML), CSE(AI), CSE(DS), CSE(AIDS), AIDS, AIML, CSD OE-3)</i>	Deep Learning Techniques <b>(R204105E)</b> <i>(Common to EEE, CSE, IT, PE-IV &amp; CSE, IT, CSE(AIML), CSE(AI), CSE(DS), CSE(AIDS), AIDS, AIML, CSD OE-4)</i> / MEAN Stack Technologies <b>(R204105V)</b> / Cloud Computing with AWS <b>(R204105W)</b> <i>(Common to EEE PE-IV &amp; CSE, IT, CSE(AIML), CSE(AI), CSE(DS), CSE(AIDS), AIDS, AIML, CSD OE-4)</i> / Cryptography and Network Security <b>(R204105Y)</b> <i>(Common to CSE(AIML), CSE(AI), AIML, CSD PE-III &amp; CSE, IT, CSE(AIML), CSE(AI), CSE(DS), CSE(AIDS), AIDS, AIML, CSD OE-4)</i>
<b>Information Technology (12)</b>	Universal Human Values-2: Understanding Harmony <b>(R2041011)</b> <i>(Common to CE, EEE, ME, ECE, CSE, IT, AME, MiE, AgriE, CSE(AIML), CSE(AI), CSE(DS), CSE(AIDS), CSE(CS), CSE(IOTCSIBCT), CSE(IOT), FE, AIDS, CS, AIML, CSD)</i>	<b>Professional Elective-III</b> : Cloud Computing <b>(R204105A)</b> <i>(Common to CSE, IT)</i> / Cyber Security & Forensics <b>(R204105D)</b> <i>(Common to CSE, IT)</i> / Artificial Neural Networks <b>(R204112A)</b> / Internet of Things (IoT) <b>(R204112B)</b>	<b>Professional Elective-IV</b> : Advanced Databases <b>(R204112D)</b> / MOOCS-NPTEL/SWAYAM <b>(R204112E)</b> / Social Networks Analysis <b>(R204112C)</b>	<b>Professional Elective-V</b> : M-Commerce <b>(R204112F)</b> / Ethical Hacking <b>(R204105K)</b> <i>(Common to CSE, IT)</i> / MOOCS-NPTEL/SWAYAM <b>(R204112G)</b> / Block Chain Technologies <b>(R204105I)</b> <i>(Common to CSE, IT)</i>	<b>Open Elective-III</b> : AI Tools & Techniques <b>(R204105N)</b> / Image Processing <b>(R204105O)</b> / Information Security <b>(R204105P)</b> / Mobile Application Development <b>(R204105Q)</b> / Cyber Security <b>(R204105S)</b> / Introduction to Internet of Things <b>(R204105T)</b> <i>(Common to OE-III as CSE, IT, CSE(AIML), CSE(AI), CSE(DS), CSE(AIDS), AIDS, AIML, CSD)</i>	<b>Open Elective-IV</b> : Block Chain Technologies <b>(R204105X)</b> / Introduction to Machine Learning <b>(R204105Z)</b> / Machine Learning with Python <b>(R2041051)</b> <i>(Common to OE-IV as CSE, IT, CSE(AIML), CSE(AI), CSE(DS), CSE(AIDS), AIDS, AIML, CSD)</i>	Data Science <b>(R204105R)</b> <i>(Common to EEE PE-V &amp; CSE, IT, CSE(AIML), CSE(AI), CSE(DS), CSE(AIDS), AIDS, AIML, CSD OE-3)</i>	Deep Learning Techniques <b>(R204105E)</b> <i>(Common to EEE, CSE, IT, PE-IV &amp; CSE, IT, CSE(AIML), CSE(AI), CSE(DS), CSE(AIDS), AIDS, AIML, CSD OE-4)</i> / MEAN Stack Technologies <b>(R204105V)</b> / Cloud Computing with AWS <b>(R204105W)</b> <i>(Common to EEE PE-IV &amp; CSE, IT, CSE(AIML), CSE(AI), CSE(DS), CSE(AIDS), AIDS, AIML, CSD OE-4)</i> / Cryptography and Network Security <b>(R204105Y)</b> <i>(Common to CSE(AIML), CSE(AI), AIML, CSD PE-III &amp; CSE, IT, CSE(AIML), CSE(AI), CSE(DS), CSE(AIDS), AIDS, AIML, CSD OE-4)</i>



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<b>Automobile Engineering (24)</b>	Universal Human Values-2: Understanding Harmony <b>(R2041011)</b> <i>(Common to CE, EEE, ME, ECE, CSE, IT, AME, MiE, AgriE, CSE(AIML), CSE(AI), CSE(DS), CSE(AIDS), CSE(CS), CSE(IOTCSIBCT), CSE(IOT), FE, AIDS, CS, AIML, CSD)</i>	<b>Professional Elective-III</b> : Automobile HVAC <b>(R204124B)</b> / Special Purpose Vehicles <b>(R204124C)</b> / Vehicle Infotronics <b>(R204124E)</b> / MOOC's/NPTEL <b>(R204124F)</b>	<b>Professional Elective-IV</b> : Automobile Certification and Homologation <b>(R204124G)</b> / Total Quality Management <b>(R204124H)</b> / Electric Vehicles and Hybrid Technology <b>(R204124I)</b> / Facilities Planning and Material Handling <b>(R204124J)</b> / Rapid Prototyping <b>(R204124K)</b> / MOOC's/NPTEL <b>(R204124L)</b>	<b>Professional Elective-V</b> : Automobile Comfort Systems And Ergonomics <b>(R204124M)</b> / Lean Manufacturing <b>(R204124N)</b> / Vehicle Design Data Characteristics <b>(R204124O)</b> / Reliability Engineering <b>(R204124P)</b> / Smart, Autonomous and Connected Vehicles <b>(R204124Q)</b> / MOOC's/NPTEL <b>(R204124R)</b>	<b>Open Elective-III</b> : Automobile Power train <b>(R204124S)</b> / IC Engines <b>(R204124T)</b>	<b>Open Elective-IV</b> : Automobile Materials and Manufacturing Techniques <b>(R204124U)</b> / Automobile Electrical and Electronics <b>(R204124V)</b>	Automobile Safety <b>(R204124A)</b> (Common to PE-III & OE-3)	Engine Management Systems <b>(R204124D)</b> (Common to PE-III & OE-4)
<b>Mining Engineering (26)</b>	Universal Human Values-2: Understanding Harmony <b>(R2041011)</b> <i>(Common to CE, EEE, ME, ECE, CSE, IT, AME, MiE, AgriE, CSE(AIML), CSE(AI), CSE(DS), CSE(AIDS), CSE(CS), CSE(IOTCSIBCT), CSE(IOT), FE, AIDS, CS, AIML, CSD)</i>	<b>Professional Elective-III</b> : Operations Research <b>(R204126A)</b> / Dimensional Stone Mining <b>(R204126B)</b> / Advanced Mining Techniques <b>(R204126C)</b> / Planning of Underground Metal mining techniques <b>(R204126D)</b>	<b>Professional Elective-IV</b> : Mine closure and Reclamation <b>(R204126E)</b> / Surface Mine Environment <b>(R204126F)</b> / Mineral Economics, Business and Trade <b>(R204126H)</b>	<b>Professional Elective-V</b> : Subsidence Engineering <b>(R204126I)</b> / Rock Slope Engineering <b>(R204126J)</b> / Advances in Rock Fragmentation <b>(R204126K)</b> / Tunneling and Underground Space Technology <b>(R204126L)</b>	<b>Open Elective-III</b> : Mine Waste Management <b>(R204126M)</b> / Mine Reclamation <b>(R204126N)</b> / Environmental Impact of Mining <b>(R204126O)</b>	<b>Open Elective-IV</b> : Principles of Mineral Engineering <b>(R204126P)</b> / Mine Instrumentation <b>(R204126Q)</b> / Mine Safety & Ergonomics <b>(R204126R)</b> / Numerical Methods in Mining Engineering <b>(R204126S)</b>	Sustainable Development for Mining <b>(R204126G)</b> (Common to PE-IV & OE-3)	.....



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<b>Agricultural Engineering (35)</b>	Universal Human Values-2: Understanding Harmony <b>(R2041011)</b> <i>(Common to CE, EEE, ME, ECE, CSE, IT, AME, MIE, AgriE, CSE(AIML), CSE(AI), CSE(DS), CSE(AIDS), CSE(CS), CSE(IOTCSIBCT), CSE(IOT), FE, AIDS, CS, AIML, CSD)</i>	<b>Professional Elective-III</b> : Irrigation and Drainage Engineering <b>(R204135A)</b> / Production Technology of Agricultural Machinery <b>(R204135B)</b> / Food Plant Design and Management <b>(R204135C)</b>	<b>Professional Elective-IV</b> : Design of Soil and Water Conservation and Farm Systems <b>(R204135D)</b> / Food Process Equipment Design <b>(R204135E)</b> / Design of Agricultural Machinery <b>(R204135F)</b>	<b>Professional Elective-V</b> : Micro Irrigation Engineering <b>(R204135G)</b> / Mechatronics in Agricultural Engineering <b>(R204135H)</b> / Dairy and Food Engineering <b>(R204135I)</b>	<b>Open Elective-III</b> : Principles of Soil Science and Agronomy <b>(R204135J)</b> / Farm Power and Tractor Systems <b>(R204135K)</b> / Soil and Water Conservation Engineering <b>(R204135L)</b> / Ground Water Hydrology, Wells and Pumps <b>(R204135M)</b>	<b>Open Elective-IV</b> : Surface Water Hydrology <b>(R204135N)</b> / Post Harvest Engineering of Cereals, Pulses and Oilseeds <b>(R204135O)</b> / Agricultural Process Engineering <b>(R204135P)</b>	.....	.....
<b>CSE (Artificial Intelligence and Machine Learning) (42)</b>	Universal Human Values-2: Understanding Harmony <b>(R2041011)</b> <i>(Common to CE, EEE, ME, ECE, CSE, IT, AME, MIE, AgriE, CSE(AIML), CSE(AI), CSE(DS), CSE(AIDS), CSE(CS), CSE(IOTCSIBCT), CSE(IOT), FE, AIDS, CS, AIML, CSD)</i>	<b>Professional Elective-III</b> : Reinforcement Learning <b>(R204142A)</b> / Soft Computing <b>(R204142B)</b> / Speech Processing <b>(R204142C)</b> / Block Chain Technologies <b>(R204142P)</b> <i>(Common to CSE(AIML), CSE(AI), CSE(DS), CSE(AIDS), AIDS, AIML, CSD)</i>	<b>Professional Elective-IV</b> : Robotic Process Automation <b>(R204142D)</b> / Big Data Analytics <b>(R204142E)</b> <i>(Common to CSE(AIML), CSE(AI), AIML, PE-IV &amp; CSE(CS), CS PE-V &amp; OE-3) / NOSQL Databases <b>(R204142F)</b>/ Video Analytics <b>(R204142G)</b>/ Cloud Computing <b>(R204142O)</b> <i>(Common to CSE(AIML), CSE(AI), CSE(DS), CSE(AIDS), AIDS, AIML, CSD)</i></i>	<b>Professional Elective-V</b> : Recommender Systems <b>(R204142H)</b> / AI Chatbots <b>(R204142I)</b> / Object Oriented Analysis and Design <b>(R204142J)</b> / Semantic Web <b>(R204142K)</b> / Social Networks Analysis <b>(R204142Q)</b> <i>(Common to CSE(AIML), CSE(AI), CSE(DS), CSE(AIDS), AIDS, AIML, CSD)</i>	<b>Open Elective-III</b> : API and Microservices (Job Oriented Course) <b>(R204105M)</b> / AI Tools & Techniques <b>(R204105N)</b> / Image Processing <b>(R204105O)</b> / Information Security <b>(R204105P)</b> / Mobile Application Development <b>(R204105Q)</b> / Cyber Security <b>(R204105S)</b> / Introduction to Internet of Things <b>(R204105T)</b> <i>(Common to OE-III as CSE, IT, CSE(AIML), CSE(AI), CSE(DS), CSE(AIDS), AIDS, AIML, CSD)</i>	<b>Open Elective-IV</b> : Secure Coding Techniques (Job Oriented Course) <b>(R204105U)</b> / Block Chain Technologies <b>(R204105X)</b> / Introduction to Machine Learning <b>(R204105Z)</b> / Machine Learning with Python <b>(R2041051)</b> <i>(Common to OE-IV as CSE, IT, CSE(AIML), CSE(AI), CSE(DS), CSE(AIDS), AIDS, AIML, CSD)</i>	Data Science <b>(R204105R)</b> <i>(Common to EEE PE-V &amp; CSE, IT, CSE(AIML), CSE(AI), CSE(DS), CSE(AIDS), AIDS, AIML, CSD OE-3)</i>	Deep Learning Techniques <b>(R204105E)</b> <i>(Common to EEE, CSE, IT, PE-IV &amp; CSE, IT, CSE(AIML), CSE(AI), CSE(DS), CSE(AIDS), AIDS, AIML, CSD OE-4)</i> / MEAN Stack Technologies <b>(R204105V)</b> / Cloud Computing with AWS <b>(R204105W)</b> <i>(Common to EEE PE-IV &amp; CSE, IT, CSE(AIML), CSE(AI), CSE(DS), CSE(AIDS), AIDS, AIML, CSD OE-4)</i> / Cryptography and Network Security <b>(R204105Y)</b> <i>(Common to CSE(AIML), CSE(AI), AIML, CSD PE-III &amp; CSE, IT, CSE(AIML), CSE(AI), CSE(DS), CSE(AIDS), AIDS, AIML, CSD OE-4)</i>



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<b>CSE (Artificial Intelligence) (43)</b>	Universal Human Values-2: Understanding Harmony <b>(R2041011)</b> <i>(Common to CE, EEE, ME, ECE, CSE, IT, AME, MiE, AgriE, CSE(AIML), CSE(AI), CSE(DS), CSE(AIDS), CSE(CS), CSE(IOTCSIBCT), CSE(IOT), FE, AIDS, CS, AIML, CSD)</i>	<b>Professional Elective-III</b> : Reinforcement Learning <b>(R204142A)</b> / Soft Computing <b>(R204142B)</b> / Speech Processing <b>(R204142C)</b> / Block Chain Technologies <b>(R204142P)</b> <i>(Common to CSE(AIML), CSE(AI), CSE(DS), CSE(AIDS), AIDS, AIML, CSD)</i>	<b>Professional Elective-IV</b> : Robotic Process Automation <b>(R204142D)</b> / Big Data Analytics <b>(R204142E)</b> <i>(Common to CSE(AIML), CSE(AI), AIML, PE-IV &amp; CSE(CS), CS PE-V &amp; OE-3) /</i> NOSQL Databases <b>(R204142F)</b> / Video Analytics <b>(R204142G)</b> / Cloud Computing <b>(R204142O)</b> <i>(Common to CSE(AIML), CSE(AI), CSE(DS), CSE(AIDS), AIDS, AIML, CSD)</i>	<b>Professional Elective-V</b> : Recommender Systems <b>(R204142H)</b> / AI Chatbots <b>(R204142I)</b> / Object Oriented Analysis and Design <b>(R204142J)</b> / Semantic Web <b>(R204142K)</b> / Social Networks Analysis <b>(R204142Q)</b> <i>(Common to CSE(AIML), CSE(AI), CSE(DS), CSE(AIDS), AIDS, AIML, CSD)</i>	<b>Open Elective-III</b> : API and Microservices (Job Oriented Course) <b>(R204105M)</b> / AI Tools & Techniques <b>(R204105N)</b> / Image Processing <b>(R204105O)</b> / Information Security <b>(R204105P)</b> / Mobile Application Development <b>(R204105Q)</b> / Cyber Security <b>(R204105S)</b> / Introduction to Internet of Things <b>(R204105T)</b> <i>(Common to OE-III as CSE, IT, CSE(AIML), CSE(AI), CSE(DS), CSE(AIDS), AIDS, AIML, CSD)</i>	<b>Open Elective-IV</b> : Secure Coding Techniques (Job Oriented Course) <b>(R204105U)</b> / Block Chain Technologies <b>(R204105X)</b> / Introduction to Machine Learning <b>(R204105Z)</b> / Machine Learning with Python <b>(R2041051)</b> <i>(Common to OE-IV as CSE, IT, CSE(AIML), CSE(AI), CSE(DS), CSE(AIDS), AIDS, AIML, CSD)</i>	Data Science <b>(R204105R)</b> <i>(Common to EEE PE-V &amp; CSE, IT, CSE(AIML), CSE(AI), CSE(DS), CSE(AIDS), AIDS, AIML, CSD OE-3)</i>	Deep Learning Techniques <b>(R204105E)</b> <i>(Common to EEE, CSE, IT, PE-IV &amp; CSE, IT, CSE(AIML), CSE(AI), CSE(DS), CSE(AIDS), AIDS, AIML, CSD OE-4) /</i> MEAN Stack Technologies <b>(R204105V)</b> / Cloud Computing with AWS <b>(R204105W)</b> <i>(Common to EEE PE-IV &amp; CSE, IT, CSE(AIML), CSE(AI), CSE(DS), CSE(AIDS), AIDS, AIML, CSD OE-4) /</i> Cryptography and Network Security <b>(R204105Y)</b> <i>(Common to CSE(AIML), CSE(AI), AIML, CSD PE-III &amp; CSE, IT, CSE(AIML), CSE(AI), CSE(DS), CSE(AIDS), AIDS, AIML, CSD OE-4)</i>



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<b>CSE (Data Science) (44)</b>	Universal Human Values-2: Understanding Harmony <b>(R2041011)</b> <i>(Common to CE, EEE, ME, ECE, CSE, IT, AME, MiE, AgriE, CSE(AIML), CSE(AI), CSE(DS), CSE(AIDS), CSE(CS), CSE(IOTCSIBCT), CSE(IOT), FE, AIDS, CS, AIML, CSD)</i>	<b>Professional Elective-III</b> : Reinforcement Learning <b>(R204142A)</b> / Nature Inspired Computing Techniques <b>(R204144A)</b> / Social Media Analytics <b>(R204144B)</b> / Block Chain Technologies <b>(R204142P)</b> <i>(Common to CSE(AIML), CSE(AI), CSE(DS), CSE(AIDS), AIDS, AIML, CSD)</i>	<b>Professional Elective-IV</b> : SnowFlake Cloud Analytics <b>(R204144C)</b> / Information Retrieval Systems <b>(R204144D)</b> / NOSQL Databases <b>(R204142F)</b> / Cloud Computing <b>(R204142O)</b> <i>(Common to CSE(AIML), CSE(AI), CSE(DS), CSE(AIDS), AIDS, AIML, CSD)</i>	<b>Professional Elective-V</b> : Recommender Systems <b>(R204142H)</b> / AI Chatbots <b>(R204142I)</b> / Data Visualization <b>(R204144E)</b> / Social Networks Analysis <b>(R204142Q)</b> <i>(Common to CSE(AIML), CSE(AI), CSE(DS), CSE(AIDS), AIDS, AIML, CSD)</i>	<b>Open Elective-III</b> : API and Microservices (Job Oriented Course) <b>(R204105M)</b> / AI Tools & Techniques <b>(R204105N)</b> / Image Processing <b>(R204105O)</b> / Information Security <b>(R204105P)</b> / Mobile Application Development <b>(R204105Q)</b> / Cyber Security <b>(R204105S)</b> / Introduction to Internet of Things <b>(R204105T)</b> <i>(Common to OE-III as CSE, IT, CSE(AIML), CSE(AI), CSE(DS), CSE(AIDS), AIDS, AIML, CSD)</i>	<b>Open Elective-IV</b> : Secure Coding Techniques (Job Oriented Course) <b>(R204105U)</b> / Block Chain Technologies <b>(R204105X)</b> / Introduction to Machine Learning <b>(R204105Z)</b> / Machine Learning with Python <b>(R2041051)</b> <i>(Common to OE-IV as CSE, IT, CSE(AIML), CSE(AI), CSE(DS), CSE(AIDS), AIDS, AIML, CSD)</i>	Data Science <b>(R204105R)</b> <i>(Common to EEE PE-V &amp; CSE, IT, CSE(AIML), CSE(AI), CSE(DS), CSE(AIDS), AIDS, AIML, CSD OE-3)</i>	Deep Learning Techniques <b>(R204105E)</b> <i>(Common to EEE, CSE, IT, PE-IV &amp; CSE, IT, CSE(AIML), CSE(AI), CSE(DS), CSE(AIDS), AIDS, AIML, CSD OE-4)</i> / MEAN Stack Technologies <b>(R204105V)</b> / Cloud Computing with AWS <b>(R204105W)</b> <i>(Common to EEE PE-IV &amp; CSE, IT, CSE(AIML), CSE(AI), CSE(DS), CSE(AIDS), AIDS, AIML, CSD OE-4)</i> / Cryptography and Network Security <b>(R204105Y)</b> <i>(Common to CSE(AIML), CSE(AI), AIML, CSD PE-III &amp; CSE, IT, CSE(AIML), CSE(AI), CSE(DS), CSE(AIDS), AIDS, AIML, CSD OE-4)</i>



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<b>CSE (Artificial Intelligence and Data Science) (45)</b>	Universal Human Values-2: Understanding Harmony <b>(R2041011)</b> <i>(Common to CE, EEE, ME, ECE, CSE, IT, AME, MiE, AgriE, CSE(AIML), CSE(AI), CSE(DS), CSE(AIDS), CSE(CS), CSE(IOTCSIBCT), CSE(IOT), FE, AIDS, CS, AIML, CSD)</i>	<b>Professional Elective-III</b> : Reinforcement Learning <b>(R204142A)</b> / Nature Inspired Computing Techniques <b>(R204144A)</b> / Social Media Analytics <b>(R204144B)</b> / Block Chain Technologies <b>(R204142P)</b> <i>(Common to CSE(AIML), CSE(AI), CSE(DS), CSE(AIDS), AIDS, AIML, CSD)</i>	<b>Professional Elective-IV</b> : Computer Vision <b>(R204105G)</b> <i>(Common to CSE, CSE(AIDS), AIDS, CSD)</i> / Information Retrieval Systems <b>(R204144D)</b> / NOSQL Databases <b>(R204142F)</b> / Cloud Computing <b>(R204142O)</b> <i>(Common to CSE(AIML), CSE(AI), CSE(DS), CSE(AIDS), AIDS, AIML, CSD)</i>	<b>Professional Elective-V</b> : Recommender Systems <b>(R204142H)</b> / AI Chatbots <b>(R204142I)</b> / Data Visualization <b>(R204144E)</b> / Social Networks Analysis <b>(R204142Q)</b> <i>(Common to CSE(AIML), CSE(AI), CSE(DS), CSE(AIDS), AIDS, AIML, CSD)</i>	<b>Open Elective-III</b> : API and Microservices (Job Oriented Course) <b>(R204105M)</b> / AI Tools & Techniques <b>(R204105N)</b> / Image Processing <b>(R204105O)</b> / Information Security <b>(R204105P)</b> / Mobile Application Development <b>(R204105Q)</b> / Cyber Security <b>(R204105S)</b> / Introduction to Internet of Things <b>(R204105T)</b> <i>(Common to OE-III as CSE, IT, CSE(AIML), CSE(AI), CSE(DS), CSE(AIDS), AIDS, AIML, CSD)</i>	<b>Open Elective-IV</b> : Secure Coding Techniques (Job Oriented Course) <b>(R204105U)</b> / Block Chain Technologies <b>(R204105X)</b> / Introduction to Machine Learning <b>(R204105Z)</b> / Machine Learning with Python <b>(R2041051)</b> <i>(Common to OE-IV as CSE, IT, CSE(AIML), CSE(AI), CSE(DS), CSE(AIDS), AIDS, AIML, CSD)</i>	Data Science <b>(R204105R)</b> <i>(Common to EEE PE-V &amp; CSE, IT, CSE(AIML), CSE(AI), CSE(DS), CSE(AIDS), AIDS, AIML, CSD OE-3)</i>	Deep Learning Techniques <b>(R204105E)</b> <i>(Common to EEE, CSE, IT, PE-IV &amp; CSE, IT, CSE(AIML), CSE(AI), CSE(DS), CSE(AIDS), AIDS, AIML, CSD OE-4)</i> / MEAN Stack Technologies <b>(R204105V)</b> / Cloud Computing with AWS <b>(R204105W)</b> <i>(Common to EEE PE-IV &amp; CSE, IT, CSE(AIML), CSE(AI), CSE(DS), CSE(AIDS), AIDS, AIML, CSD OE-4)</i> / Cryptography and Network Security <b>(R204105Y)</b> <i>(Common to CSE(AIML), CSE(AI), AIML, CSD PE-III &amp; CSE, IT, CSE(AIML), CSE(AI), CSE(DS), CSE(AIDS), AIDS, AIML, CSD OE-4)</i>
<b>CSE (Cyber Security) (46)</b>	Universal Human Values-2: Understanding Harmony <b>(R2041011)</b> <i>(Common to CE, EEE, ME, ECE, CSE, IT, AME, MiE, AgriE, CSE(AIML), CSE(AI), CSE(DS), CSE(AIDS), CSE(CS), CSE(IOTCSIBCT), CSE(IOT), FE, AIDS, CS, AIML, CSD)</i>	<b>Professional Elective-III</b> : Internet Of Things <b>(R204146A)</b> / Information Coding Techniques <b>(R204146D)</b> / Mobile and Wireless Security <b>(R204146E)</b> <i>(Common to CSE(CS), CS)</i>	<b>Professional Elective-IV</b> : Ad-hoc and Sensor Networks <b>(R204146R)</b> / Big Data Analytics <b>(R204142E)</b> <i>(Common to CSE(AIML), CSE(AI), AIML, PE-IV &amp; CSE(CS), CS PE-V &amp; OE-3)</i> / Cyber Crime Investigation and Digital Forensics <b>(R204146F)</b> <i>(Common to CSE(CS), CS PE-IV, OE-4 &amp; CSE(IOTCSIBCT) PE-IV)</i>	<b>Professional Elective-V</b> : Cyber Laws and Security Policies <b>(R204146J)</b> / Intrusion Detection and Prevention System <b>(R204146K)</b> / Data Privacy <b>(R204146L)</b> / Ethical Hacking <b>(R204146M)</b>	<b>Open Elective-III</b> : DevOps (Job Oriented Course) <b>(R204146N)</b> / Cryptography and Network Security <b>(R204146O)</b>	<b>Open Elective-IV</b> : Multimedia And Rich Internet Applications (Job Oriented Course) <b>(R204146P)</b>	Data Science <b>(R204146B)</b> <i>(Common to PE-III &amp; OE-3 CSE(CS), CSE(IOTCSIBCT), CSE(IoT) CS)</i> / Cloud Computing <b>(R204146G)</b> <i>(Common to CSE(CS) PE-IV, OE-3 &amp; CSE(IoT) PE-IV)</i>	Distributed Systems <b>(R204146C)</b> <i>(Common to CSE(CS), CS PE-III &amp; OE-4)</i> / Mean Stack Technologies <b>(R204146H)</b> <i>(Common to CSE(IoT), CSE(CS), CSE(IOTCSIBCT) PE-IV &amp; CSE(IoT) OE-4)</i> / Malware Analysis & Reverse Engineering <b>(R204146I)</b> <i>(Common to CSE(CS), CSE(IOTCSIBCT) PE-IV &amp; CSE(CS) OE-4)</i> / Machine Learning <b>(R204146Q)</b> <i>(Common to CSE(IOTCSIBCT) PE-V &amp; CSE(CS), CSE(IOTCSIBCT), CSE(IoT) OE-4)</i>



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**IV B.TECH - I SEMESTER (R20) REGULAR EXAMINATIONS, JANUARY - 2024**  
**TIME TABLE**

**TIME : 10.00 AM TO 01.00 PM**

Branch	DATE & DAY							
	02-01-2024 (Tuesday)	04-01-2024 (Thursday)	06-01-2024 (Saturday)	08-01-2024 (Monday)	10-01-2024 (Wednesday)	12-01-2024 (Friday)	18-01-2024 (Thursday)	20-01-2024 (Saturday)
<b>CSE (Internet of things and Cyber security including Block chain Technology) (47)</b>	Universal Human Values-2: Understanding Harmony <b>(R2041011)</b> <i>(Common to CE, EEE, ME, ECE, CSE, IT, AME, MiE, AgriE, CSE(AIML), CSE(AI), CSE(DS), CSE(AIDS), CSE(CS), CSE(IOTCSIBCT), CSE(IOT), FE, AIDS, CS, AIML, CSD)</i>	<b>Professional Elective-III</b> : Software Testing Methodologies <b>(R204147A)</b> / NoSQL Databases <b>(R204147B)</b> / Privacy and Security in IOT <b>(R204147C)</b> / Cloud Computing <b>(R204147Q)</b>	<b>Professional Elective-IV</b> : Object Oriented Analysis & Design Using UML <b>(R204147D)</b> / Intrusion Detection Systems <b>(R204147E)</b> / Cyber Crime Investigation and Digital Forensics <b>(R204146F)</b> <i>(Common to CSE(CS), CS PE-IV, OE-4 &amp; CSE(IOTCSIBCT) PE-IV)</i>	<b>Professional Elective-V</b> : Deep Learning <b>(R204147F)</b> / Quantum Computing <b>(R204147G)</b> / Dev Ops <b>(R204147H)</b> / Mobile and Wireless Security <b>(R204147P)</b>	<b>Open Elective-III</b> : Sensors and Actuator Devices for IoT <b>(R204147J)</b> / Cryptography and Network Security <b>(R204146O)</b>	<b>Open Elective-IV</b> : Multimedia And Rich Internet Applications (Job Oriented Course) <b>(R204146P)</b> / Distributed Computing <b>(R204147M)</b>	Social Network And Semantic Web (Job Oriented Course) <b>(R204105F)</b> <i>(Common to CSE, PE-IV &amp; CSE(IOTCSIBCT) OE-3)</i> / Data Science <b>(R204146B)</b> <i>(Common to PE-III &amp; OE-3 CSE(CS), CSE(IOTCSIBCT), CSE(IoT)/ Big Data Analytics for IoT <b>(R204147I)</b></i> <i>(Common to CSE(IoT) PE-IV &amp; CSE(IOTCSIBCT), CSE(IoT) OE-3)</i>	Mean Stack Technologies <b>(R204146H)</b> <i>(Common to CSE(IoT), CSE(CS), CSE(IOTCSIBCT) PE-IV &amp; CSE(IoT) OE-4)</i> / Malware Analysis & Reverse Engineering <b>(R204146I)</b> <i>(Common to CSE(CS), CSE(IOTCSIBCT) PE-IV &amp; CSE(CS) OE-4)</i> / Machine Learning <b>(R204146Q)</b> <i>(Common to CSE(IOTCSIBCT) PE-V &amp; CSE(CS), CSE(IOTCSIBCT), CSE(IoT) OE-4)</i> / Programming and Interfacing with Microcontrollers <b>(R204147K)</b> <i>(Common to CSE(IoT) PE-III &amp; CSE(IOTCSIBCT), CSE(IoT) OE-4)</i> / Block Chain Technologies <b>(R204147L)</b> <i>(Common to CSE(IoT) PE-III &amp; CSE(IOTCSIBCT), CSE(IoT) OE-4)</i>



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**TIME TABLE**

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<b>CSE (Internet of Things) (49)</b>	Universal Human Values-2: Understanding Harmony <b>(R2041011)</b> <i>(Common to CE, EEE, ME, ECE, CSE, IT, AME, MiE, AgriE, CSE(AIML), CSE(AI), CSE(DS), CSE(AIDS), CSE(CS), CSE(IOTCSIBCT), CSE(IOT), FE, AIDS, CS, AIML, CSD)</i>	<b>Professional Elective-III</b> : Mobile Computing <b>(R204149A)</b> / No SQL Databases <b>(R204147B)</b> / Privacy and Security in IOT <b>(R204147C)</b>	<b>Professional Elective-IV</b> : Fog Computing <b>(R204149B)</b> Cyber Security & Forensics <b>(R204149H)</b>	<b>Professional Elective-V</b> : Deep Learning <b>(R204147F)</b> / Wearable Computing <b>(R204149C)</b> / Dev Ops <b>(R204147H)</b> / Software Testing Methodologies <b>(R204149I)</b>	<b>Open Elective-III</b> : Middleware Technologies (Job Oriented Course) <b>(R204149D)</b> / Sensors and Actuator Devices for IoT <b>(R204147J)</b> / Embedded System Design <b>(R204149E)</b>	<b>Open Elective-IV</b> : Multimedia And Rich Internet Applications <b>(R204146P)</b> / Cryptography and Network Security <b>(R204149J)</b>	Data Science <b>(R204146B)</b> (Common to PE-III & OE-3 CSE(CS), CSE(IOTCSIBCT), CSE(IoT) /Big Data Analytics for IoT <b>(R204147I)</b> (Common to CSE(IoT) PE-IV & CSE(IOTCSIBCT), CSE(IoT) OE-3) / Cloud Computing <b>(R204146G)</b> (Common to CSE(CS) PE-IV, OE-3 & CSE(IoT) PE-IV)	Mean Stack Technologies <b>(R204146H)</b> (Common to CSE(IoT), CSE(CS), CSE(IOTCSIBCT) PE-IV & CSE(IoT) OE-4) / Machine Learning <b>(R204146Q)</b> (Common to CSE(IOTCSIBCT) PE-V & CSE(CS), CSE(IOTCSIBCT), CSE(IoT) OE-4) / Programming and Interfacing with Microcontrollers <b>(R204147K)</b> (Common to CSE(IoT) PE-III & CSE(IOTCSIBCT), CSE(IoT) OE-4) / Block Chain Technologies <b>(R204147L)</b> (Common to CSE(IoT) PE-III & CSE(IOTCSIBCT), CSE(IoT) OE-4)
<b>FOOD ENGINEERING (51)</b>	Universal Human Values-2: Understanding Harmony <b>(R2041011)</b> <i>(Common to CE, EEE, ME, ECE, CSE, IT, AME, MiE, AgriE, CSE(AIML), CSE(AI), CSE(DS), CSE(AIDS), CSE(CS), CSE(IOTCSIBCT), CSE(IOT), FE, AIDS, CS, AIML, CSD)</i>	<b>Professional Elective-III</b> : Advances in Drying and Dehydration <b>(R204151A)</b> / Process Kinetics in Food Engineering <b>(R204151B)</b> / Non-Thermal Operations in Food Processing <b>(R204151C)</b>	<b>Professional Elective-IV</b> : Food Process Equipment Design <b>(R204151D)</b> / Sensors in Food Processing <b>(R204151E)</b> / New Product Development <b>(R204151F)</b>	<b>Professional Elective-V</b> : Entrepreneurship in Food Industries <b>(R204151G)</b> / Food Supply Chain Management <b>(R204151H)</b> / Food Business Management and Economics <b>(R204151I)</b>	<b>Open Elective-III</b> : Food Sanitation, Management and Hygiene <b>(R204151J)</b> / Energy Conservation and Audit <b>(R204151K)</b> / Food Waste Management <b>(R204151L)</b>	<b>Open Elective-IV</b> : Food Refrigeration and Cold Chain <b>(R204151M)</b> / Food Plant Operations and Maintenance <b>(R204151N)</b> / ICT Applications in Food Processing <b>(R204151O)</b> / SWAYAM / NPTEL /MOOCS COURSES (12 weeks duration) <b>(R204151P)</b>	.....	.....





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**IV B.TECH - I SEMESTER (R20) REGULAR EXAMINATIONS, JANUARY - 2024**

**T I M E T A B L E**

**TIME : 10.00 AM TO 01.00 PM**

Branch	DATE & DAY							
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<b>ARTIFICIAL INTELLIGENCE AND DATA SCIENCE (54)</b>	Universal Human Values-2: Understanding Harmony <b>(R2041011)</b> <i>(Common to CE, EEE, ME, ECE, CSE, IT, AME, MiE, AgriE, CSE(AIML), CSE(AI), CSE(DS), CSE(AIDS), CSE(CS), CSE(IOTCSIBCT), CSE(IOT), FE, AIDS, CS, AIML, CSD)</i>	<b>Professional Elective-III</b> : Reinforcement Learning <b>(R204142A)</b> / Nature Inspired Computing Techniques <b>(R204144A)</b> / Social Media Analytics <b>(R204144B)</b> / Block Chain Technologies <b>(R204142P)</b> <i>(Common to CSE(AIML), CSE(AI), CSE(DS), CSE(AIDS), AIDS, AIML, CSD)</i>	<b>Professional Elective-IV</b> : Computer Vision <b>(R204105G)</b> <i>(Common to CSE, CSE(AIDS), AIDS, CSD)</i> / Information Retrieval Systems <b>(R204144D)</b> / NOSQL Databases <b>(R204142F)</b> / Cloud Computing <b>(R204142O)</b> <i>(Common to CSE(AIML), CSE(AI), CSE(DS), CSE(AIDS), AIDS, AIML, CSD)</i>	<b>Professional Elective-V</b> : Recommender Systems <b>(R204142H)</b> / AI Chatbots <b>(R204142I)</b> / Data Visualization <b>(R204144E)</b> / Social Networks Analysis <b>(R204142Q)</b> <i>(Common to CSE(AIML), CSE(AI), CSE(DS), CSE(AIDS), AIDS, AIML, CSD)</i>	<b>Open Elective-III</b> : API and Microservices (Job Oriented Course) <b>(R204105M)</b> / AI Tools & Techniques <b>(R204105N)</b> / Image Processing <b>(R204105O)</b> / Information Security <b>(R204105P)</b> / Mobile Application Development <b>(R204105Q)</b> / Cyber Security <b>(R204105S)</b> / Introduction to Internet of Things <b>(R204105T)</b> <i>(Common to OE-III as CSE, IT, CSE(AIML), CSE(AI), CSE(DS), CSE(AIDS), AIDS, AIML, CSD)</i>	<b>Open Elective-IV</b> : Secure Coding Techniques (Job Oriented Course) <b>(R204105U)</b> / Block Chain Technologies <b>(R204105X)</b> / Introduction to Machine Learning <b>(R204105Z)</b> / Machine Learning with Python <b>(R2041051)</b> <i>(Common to OE-IV as CSE, IT, CSE(AIML), CSE(AI), CSE(DS), CSE(AIDS), AIDS, AIML, CSD)</i>	Data Science <b>(R204105R)</b> <i>(Common to EEE PE-V &amp; CSE, IT, CSE(AIML), CSE(AI), CSE(DS), CSE(AIDS), AIDS, AIML, CSD OE-3)</i>	Deep Learning Techniques <b>(R204105E)</b> <i>(Common to EEE, CSE, IT, PE-IV &amp; CSE, IT, CSE(AIML), CSE(AI), CSE(DS), CSE(AIDS), AIDS, AIML, CSD OE-4)</i> / MEAN Stack Technologies <b>(R204105V)</b> / Cloud Computing with AWS <b>(R204105W)</b> <i>(Common to EEE PE-IV &amp; CSE, IT, CSE(AIML), CSE(AI), CSE(DS), CSE(AIDS), AIDS, AIML, CSD OE-4)</i> / Cryptography and Network Security <b>(R204105Y)</b> <i>(Common to CSE(AIML), CSE(AI), AIML, CSD PE-III &amp; CSE, IT, CSE(AIML), CSE(AI), CSE(DS), CSE(AIDS), AIDS, AIML, CSD OE-4)</i>
<b>PHARMACEUTICAL ENGINEERING (55)</b>	Industrial Pharmacy <b>(R204155A)</b>	<b>Professional Elective-III</b> : Bio Medical Instrumentation <b>(R204155B)</b> / Pharmaceutical product development <b>(R204155C)</b> / Industrial Process Control <b>(R204155D)</b>	<b>Professional Elective-IV</b> : Pharmaceutical Packaging Technology <b>(R204155E)</b> / Introduction to Biomaterials and Tissue Engineering <b>(R204155F)</b> / Good Manufacturing Practices <b>(R204155G)</b>	.....	<b>Open Elective-III</b> : Robotics <b>(R204155H)</b> / Synthesis And Characterization of Nano Materials <b>(R204155I)</b> / Industrial Psychology and Human Resource Management <b>(R204155J)</b>	<b>Open Elective-IV</b> : Principles of mechanical measurements <b>(R204155K)</b> / Artificial Intelligence & Machine Learning <b>(R204155L)</b> / Bioinformatics <b>(R204155M)</b>	.....	.....



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<b>CYBER SECURITY (59)</b>	Universal Human Values-2: Understanding Harmony <b>(R2041011)</b> <i>(Common to CE, EEE, ME, ECE, CSE, IT, AME, MIE, AgriE, CSE(AIML), CSE(AI), CSE(DS), CSE(AIDS), CSE(CS), CSE(IOTCSIBCT), CSE(IOT), FE, AIDS, CS, AIML, CSD)</i>	<b>Professional Elective-III</b> : Internet Of Things <b>(R204146A)</b> / Information Coding Techniques <b>(R204146D)</b> / Mobile and Wireless Security <b>(R204146E)</b> <i>(Common to CSE(CS), CS)</i>	<b>Professional Elective-IV</b> : Ad-hoc and Sensor Networks <b>(R204146R)</b> / Big Data Analytics <b>(R204142E)</b> <i>(Common to CSE(AIML), CSE(AI), AIML, PE-IV &amp; CSE(CS), CS PE-V &amp; OE-3)</i> / Cyber Crime Investigation and Digital Forensics <b>(R204146F)</b> <i>(Common to CSE(CS), CS PE-IV, OE-4 &amp; CSE(IOTCSIBCT) PE-IV)</i>	<b>Professional Elective-V</b> : Cyber Laws and Security Policies <b>(R204146J)</b> / Intrusion Detection and Prevention System <b>(R204146K)</b> / Data Privacy <b>(R204146L)</b> / Ethical Hacking <b>(R204146M)</b>	<b>Open Elective-III</b> : DevOps (Job Oriented Course) <b>(R204146N)</b> / Cryptography and Network Security <b>(R204146O)</b>	<b>Open Elective-IV</b> : Multimedia And Rich Internet Applications (Job Oriented Course) <b>(R204146P)</b>	Data Science <b>(R204146B)</b> <i>(Common to PE-III &amp; OE-3 CSE(CS), CSE(IOTCSIBCT), CSE(IoT) CS)</i> / Cloud Computing <b>(R204146G)</b> <i>(Common to CSE(CS) PE-IV, OE-3 &amp; CSE(IoT) PE-IV)</i>	Distributed Systems <b>(R204146C)</b> <i>(Common to CSE(CS), CS PE-III &amp; OE-4)</i> / Mean Stack Technologies <b>(R204146H)</b> <i>(Common to CSE(IoT), CSE(CS), CSE(IOTCSIBCT) PE-IV &amp; CSE(IoT) OE-4)</i> / Malware Analysis & Reverse Engineering <b>(R204146I)</b> <i>(Common to CSE(CS), CSE(IOTCSIBCT) PE-IV &amp; CSE(CS) OE-4)</i> / Machine Learning <b>(R204146Q)</b> <i>(Common to CSE(IOTCSIBCT) PE-V &amp; CSE(CS), CSE(IOTCSIBCT), CSE(IoT) OE-4)</i>
<b>ARTIFICIAL INTELLIGENCE AND MACHINE LEARNING (61)</b>	Universal Human Values-2: Understanding Harmony <b>(R2041011)</b> <i>(Common to CE, EEE, ME, ECE, CSE, IT, AME, MIE, AgriE, CSE(AIML), CSE(AI), CSE(DS), CSE(AIDS), CSE(CS), CSE(IOTCSIBCT), CSE(IOT), FE, AIDS, CS, AIML, CSD)</i>	<b>Professional Elective-III</b> : Reinforcement Learning <b>(R204142A)</b> / Soft Computing <b>(R204142B)</b> / Speech Processing <b>(R204142C)</b> / Block Chain Technologies <b>(R204142P)</b> <i>(Common to CSE(AIML), CSE(AI), CSE(DS), CSE(AIDS), AIDS, AIML, CSD)</i>	<b>Professional Elective-IV</b> : Robotic Process Automation <b>(R204142D)</b> / Big Data Analytics <b>(R204142E)</b> <i>(Common to CSE(AIML), CSE(AI), AIML, PE-IV &amp; CSE(CS), CS PE-V &amp; OE-3)</i> / NOSQL Databases <b>(R204142F)</b> / Video Analytics <b>(R204142G)</b> / Cloud Computing <b>(R204142O)</b> <i>(Common to CSE(AIML), CSE(AI), CSE(DS), CSE(AIDS), AIDS, AIML, CSD)</i>	<b>Professional Elective-V</b> : Recommender Systems <b>(R204142H)</b> / AI Chatbots <b>(R204142I)</b> / Object Oriented Analysis and Design <b>(R204142J)</b> / Semantic Web <b>(R204142K)</b> / Social Networks Analysis <b>(R204142Q)</b> <i>(Common to CSE(AIML), CSE(AI), CSE(DS), CSE(AIDS), AIDS, AIML, CSD)</i>	<b>Open Elective-III</b> : API and Microservices (Job Oriented Course) <b>(R204105M)</b> / AI Tools & Techniques <b>(R204105N)</b> / Image Processing <b>(R204105O)</b> / Information Security <b>(R204105P)</b> / Mobile Application Development <b>(R204105Q)</b> / Cyber Security <b>(R204105S)</b> / Introduction to Internet of Things <b>(R204105T)</b> <i>(Common to OE-III as CSE, IT, CSE(AIML), CSE(AI), CSE(DS), CSE(AIDS), AIDS, AIML, CSD)</i>	<b>Open Elective-IV</b> : Secure Coding Techniques (Job Oriented Course) <b>(R204105U)</b> / Block Chain Technologies <b>(R204105X)</b> / Introduction to Machine Learning <b>(R204105Z)</b> / Machine Learning with Python <b>(R2041051)</b> <i>(Common to OE-IV as CSE, IT, CSE(AIML), CSE(AI), CSE(DS), CSE(AIDS), AIDS, AIML, CSD)</i>	Data Science <b>(R204105R)</b> <i>(Common to EEE PE-V &amp; CSE, IT, CSE(AIML), CSE(AI), CSE(DS), CSE(AIDS), AIDS, AIML, CSD OE-3)</i>	Deep Learning Techniques <b>(R204105E)</b> <i>(Common to EEE, CSE, IT, PE-IV &amp; CSE, IT, CSE(AIML), CSE(AI), CSE(DS), CSE(AIDS), AIDS, AIML, CSD OE-4)</i> / MEAN Stack Technologies <b>(R204105V)</b> / Cloud Computing with AWS <b>(R204105W)</b> <i>(Common to EEE PE-IV &amp; CSE, IT, CSE(AIML), CSE(AI), CSE(DS), CSE(AIDS), AIDS, AIML, CSD OE-4)</i> / Cryptography and Network Security <b>(R204105Y)</b> <i>(Common to CSE(AIML), CSE(AI), AIML, CSD PE-III &amp; CSE, IT, CSE(AIML), CSE(AI), CSE(DS), CSE(AIDS), AIDS, AIML, CSD OE-4)</i>



**JAWAHARLAL NEHRU TECHNOLOGICAL UNIVERSITY KAKINADA**  
**UNIVERSITY EXAMINATION CENTER, KAKINADA**  
**IV B.TECH - I SEMESTER (R20) REGULAR EXAMINATIONS, JANUARY - 2024**  
**TIME TABLE**

TIME : 10.00 AM TO 01.00 PM

Branch	DATE & DAY							
	02-01-2024 (Tuesday)	04-01-2024 (Thursday)	06-01-2024 (Saturday)	08-01-2024 (Monday)	10-01-2024 (Wednesday)	12-01-2024 (Friday)	18-01-2024 (Thursday)	20-01-2024 (Saturday)
<b>COMPUTER SCIENCE AND DESIGN (62)</b>	Universal Human Values-2: Understanding Harmony <b>(R2041011)</b> <i>(Common to CE, EEE, ME, ECE, CSE, IT, AME, MiE, AgriE, CSE(AIML), CSE(AI), CSE(DS), CSE(AIDS), CSE(CS), CSE(IOTCSIBCT), CSE(IOT), FE, AIDS, CS, AIML, CSD)</i>	<b>Professional Elective-III</b> : Reinforcement Learning <b>(R204142A)</b> / Nature Inspired Computing Techniques <b>(R204144A)</b> / Block Chain Technologies <b>(R204142P)</b> <i>(Common to CSE(AIML), CSE(AI), CSE(DS), CSE(AIDS), AIDS, AIML, CSD)</i>	<b>Professional Elective-IV</b> : Robotic Process Automation <b>(R204142D)</b> / Computer Vision <b>(R204105G)</b> <i>(Common to CSE, CSE(AIDS), AIDS, CSD)</i> / NOSQL Databases <b>(R204142F)</b> / Cloud Computing <b>(R204142O)</b> <i>(Common to CSE(AIML), CSE(AI), CSE(DS), CSE(AIDS), AIDS, AIML, CSD)</i>	<b>Professional Elective-V</b> : Recommender Systems <b>(R204142H)</b> / AI Chatbots <b>(R204142I)</b> / Data Visualization <b>(R204144E)</b> / Social Networks Analysis <b>(R204142Q)</b> <i>(Common to CSE(AIML), CSE(AI), CSE(DS), CSE(AIDS), AIDS, AIML, CSD)</i>	<b>Open Elective-III</b> : API and Microservices (Job Oriented Course) <b>(R204105M)</b> / AI Tools & Techniques <b>(R204105N)</b> / Image Processing <b>(R204105O)</b> / Information Security <b>(R204105P)</b> / Mobile Application Development <b>(R204105Q)</b> / Cyber Security <b>(R204105S)</b> / Introduction to Internet of Things <b>(R204105T)</b> <i>(Common to OE-III as CSE, IT, CSE(AIML), CSE(AI), CSE(DS), CSE(AIDS), AIDS, AIML, CSD)</i>	<b>Open Elective-IV</b> : Secure Coding Techniques (Job Oriented Course) <b>(R204105U)</b> / Block Chain Technologies <b>(R204105X)</b> / Introduction to Machine Learning <b>(R204105Z)</b> / Machine Learning with Python <b>(R2041051)</b> <i>(Common to OE-IV as CSE, IT, CSE(AIML), CSE(AI), CSE(DS), CSE(AIDS), AIDS, AIML, CSD)</i>	Data Science <b>(R204105R)</b> <i>(Common to EEE PE-V &amp; CSE, IT, CSE(AIML), CSE(AI), CSE(DS), CSE(AIDS), AIDS, AIML, CSD OE-3)</i>	Deep Learning Techniques <b>(R204105E)</b> <i>(Common to EEE, CSE, IT, PE-IV &amp; CSE, IT, CSE(AIML), CSE(AI), CSE(DS), CSE(AIDS), AIDS, AIML, CSD OE-4)</i> / MEAN Stack Technologies <b>(R204105V)</b> / Cloud Computing with AWS <b>(R204105W)</b> <i>(Common to EEE PE-IV &amp; CSE, IT, CSE(AIML), CSE(AI), CSE(DS), CSE(AIDS), AIDS, AIML, CSD OE-4)</i> / Cryptography and Network Security <b>(R204105Y)</b> <i>(Common to CSE(AIML), CSE(AI), AIML, CSD PE-III &amp; CSE, IT, CSE(AIML), CSE(AI), CSE(DS), CSE(AIDS), AIDS, AIML, CSD OE-4)</i>

**NOTE:**

- i) ANY OMISSIONS OR CLASHES IN THIS TIME TABLE MAY PLEASE BE INFORMED TO THE CONTROLLER OF EXAMINATIONS, IMMEDIATELY.
- ii) EVEN IF GOVERNMENT DECLARES HOLIDAY ON ANY OF THE ABOVE DATES, THE EXAMINATIONS SHALL BE CONDUCTED AS USUAL.
- iii) THE PRINCIPALS ARE REQUESTED TO INFORM THE UNIVERSITY ANY OTHER SUBSTITUTE SUBJECTS THAT ARE NOT INCLUDED IN THE ABOVE LIST IMMEDIATELY.

DATE: 11-12-2023

*H. R. Reddy*  
 Controller of Examinations (UG)



**I B.TECH II SEMESTER (R20)**

**JAWAHARLAL NEHRU TECHNOLOGICAL UNIVERSITY KAKINADA**  
UNIVERSITY EXAMINATION CENTER, KAKINADA

**I B. TECH II SEMESTER (R23 REGULATION) REGULAR EXAMINATIONS, JUNE/JULY-2024**

**TIME TABLE**

**TIME: 10.00 AM TO 01.00 PM**

<b>Date &amp; Day</b>	<b>18-06-2024 (Tuesday)</b>	<b>20-06-2024 (Thursday)</b>	<b>22-06-2024 (Saturday)</b>	<b>25-06-2024 (Tuesday)</b>	<b>27-06-2024 (Thursday)</b>
<b>Subjects</b>	Engineering Physics <b>(R231201)</b> (Common to EEE, CSE, Ph.E)  Communicative English <b>(R231207)</b> (Common to CE, ME, ECE, IT, AME, Mining, Agri E, CSE- Allied)	Differential Equations & Vector Calculus <b>(R231202)</b> (Common to All Branches)	Basic Electrical and Electronics Engineering <b>(R231203)</b> (Common to EEE, CSE, Ph.E)  Basic Civil & Mechanical Engineering <b>(R231211)</b> (Common to CE, ME, ECE, IT, AME, Mining, Agri E, CSE-Allied)	Data Structures <b>(R231205)</b> (Common to CSE, IT, CSE-Allied)  Electrical Circuit Analysis – I <b>(R231206)</b> (Only for EEE)  Introduction To Mining Geology <b>(R231210)</b> (Only for Mining)  Engineering Mechanics <b>(R231212)</b> (Common to CE, ME)  Network Analysis <b>(R231213)</b> (Only for ECE)  Fluid Mechanics And Mechanical Unit Operations <b>(R231214)</b> (Only for Ph.E)  Engineering Mechanics <b>(R231215)</b> (Only for AME)  Principles Of Soil Science And Agronomy <b>(R231216)</b> (Only for Agri E)  Engineering Properties of Foods <b>(R231219)</b> (Only for FE)	Engineering Graphics <b>(R231204)</b> (Common to EEE, CSE, Ph.E)  Engineering Chemistry <b>(R231208)</b> (Common to CE, ME, AME, Mining, Agri E)  Chemistry <b>(R231209)</b> (Common to ECE, IT, CSE-Allied)

**NOTE:**

- i. ANY OMISSIONS OR CLASHES IN THIS TIME TABLE MAY PLEASE BE INFORMED TO THE CONTROLLER OF EXAMINATIONS IMMEDIATELY.
- ii. EVEN IF GOVERNMENT DECLARES HOLIDAY ON ANY OF THE ABOVE DATES, THE EXAMINATIONS SHALL BE CONDUCTED AS USUAL.
- iii. THE PRINCIPALS ARE REQUESTED TO INFORM THE UNIVERSITY ANY OTHER SUBSTITUTE SUBJECTS THAT ARE NOT INCLUDED IN THE ABOVE TIME TABLE IMMEDIATELY.

**Date: 06-06-2024**

**Controller of Examinations (UG)**



II B.TECH II SEMESTER (R20)

**JAWAHARLAL NEHRU TECHNOLOGICAL UNIVERSITY KAKINADA**

UNIVERSITY EXAMINATION CENTER, KAKINADA

**II B.TECH II SEMESTER (R20 REGULATION) REGULAR/SUPPLEMENTARY EXAMINATIONS, APRIL/MAY-2024**

**TIME TABLE**

**TIME: 10.00 AM TO 01.00 PM**

BRANCH	DAY & DATE					
	29-04-2024 (Monday)	01-05-2024 (Wednesday)	03-05-2024 (Friday)	09-05-2024 (Thursday)	11-05-2024 (Saturday)	14-05-2024 (Tuesday)
<b>CIVIL ENGINEERING (01-CE)</b>	Complex Variables and Statistical Methods <b>R2022011</b> (Comm to CE,ME,AME,MM)	Strength of Materials -II <b>R2022012</b>	Hydraulics and Hydraulic Machinery <b>R2022013</b>	Environmental Engineering <b>R2022014</b>	Managerial Economics & Financial Analysis <b>R2022015</b> (Comm to CE,EEE,EIE,ECT,AGE,FE)	Pre Stressed Concrete <b>R202201A</b>
<b>ELECTRICAL AND ELECTRONICS ENGINEERING (02-EEE)</b>	Python Programming <b>R2022021</b> (Common to EEE, FE)	Digital Electronics <b>R2022022</b>	Power System-I <b>R2022023</b>	Induction and Synchronous Machines <b>R2022024</b>	Managerial Economics & Financial Analysis <b>R2022015</b> (Comm to CE,EEE,EIE,ECT,AGE,FE)	Electrical Distribution Systems <b>R202202A</b>
<b>MECHANICAL ENGINEERING (03-ME)</b>	Complex Variables and Statistical Methods <b>R2022011</b> (Comm to CE,ME,AME,MM)	Material Science & Metallurgy <b>R2022031</b>	Dynamics of Machinery <b>R2022032</b>	Thermal Engineering-I <b>R2022033</b>	Industrial Engineering and Management <b>R2022034</b>	Alternative Fuels Technologies <b>R202203A</b>
<b>ELECTRONICS &amp; COMMUNICATION ENGINEERING (04-ECE)</b>	Electronic Circuit Analysis <b>R2022041</b> (Comm to ECE,EIE,ECT)	Digital IC Design <b>R2022042</b>	Analog Communications <b>R2022043</b> (Common to ECE,ECT)	Linear Control Systems <b>R2022044</b> (Common to ECE,EIE)	Management and Organizational Behavior <b>R2022045</b> (Common to ECE, PE)	Electronic Devices and Basic Circuits <b>R202204AT</b> CMOS Analog IC Design <b>R202204B</b>



**JAWAHARLAL NEHRU TECHNOLOGICAL UNIVERSITY KAKINADA**

UNIVERSITY EXAMINATION CENTER, KAKINADA

**II B.TECH II SEMESTER (R20 REGULATION) REGULAR/SUPPLEMENTARY EXAMINATIONS, APRIL/MAY-2024**

**TIME TABLE**

**TIME: 10.00 AM TO 01.00 PM**

BRANCH	DAY & DATE					
	29-04-2024 (Monday)	01-05-2024 (Wednesday)	03-05-2024 (Friday)	09-05-2024 (Thursday)	11-05-2024 (Saturday)	14-05-2024 (Tuesday)
<b>COMPUTER SCIENCE &amp; ENGINEERING (05-CSE)</b>	Probability and Statistics <b>R2022051</b> (Common to CSE,CST,CSE(AIML),CSE(AI),CSE(DS),CSE(AIDS),CSE(CS),CSE(IOTCSIBCT),CSE(CSBS),CSE(IOT),AIDS,IoT,AIML,CSD)	Database Management Systems <b>R2022052</b> (Common to CSE,CST,CSE(CS),CSE(IOTCSIBCT),CSE(CSBS),CSE(IOT), IOT)	Formal Languages and Automata Theory <b>R2022053</b> (Common to CSE,CST,CSE(AIML),CSE(AI),CSE(DS),CSE(AIDS),CSE(CS),CSE(IOTCSIBCT),CSE(IOT),AIDS,AIML,IOT)	Java Programming <b>R2022054</b> (Common to CSE,IT,CSE(CSBS),CS)	Managerial Economics and Financial Accountancy <b>R2022055</b> (Common to CSE,CST,IT,MM,CSE(AIML),CSE(AI),CSE(DS),CSE(AIDS),CSE(CS),CSE(IOTCSIBCT),CSE(IOT),AIDS,IOT,AIML,CSD)	Operating Systems <b>R202205AT</b> , Data Visualization <b>R202205B</b> , Principals of Cyber Security <b>R202205C</b> , Mathematics for Machine Learning <b>R202205D</b> Internet of Things <b>R202205E</b>
<b>COMPUTER SCIENCE &amp; TECHNOLOGY (06)</b>	Probability and Statistics <b>R2022051</b> (Common to CSE,CST,CSE(AIML),CSE(AI),CSE(DS),CSE(AIDS),CSE(CS),CSE(IOTCSIBCT),CSE(CSBS),CSE(IOT),AIDS,IoT,AIML,CSD)	Database Management Systems <b>R2022052</b> (Common to CSE,CST,CSE(CS),CSE(IOTCSIBCT),CSE(CSBS),CSE(IOT), IOT)	Formal Languages and Automata Theory <b>R2022053</b> (Common to CSE,CST,CSE(AIML),CSE(AI),CSE(DS),CSE(AIDS),CSE(CS),CSE(IOTCSIBCT),CSE(IOT),AIDS,AIML,IOT)	Computer Organization & Architecture <b>R2022061</b> (Common to CST, CSE(CS), CSE(IOTCSIBCT), CSE(IOT),IOT)	Managerial Economics and Financial Accountancy <b>R2022055</b> (Common to CSE,CST,IT,MM,CSE(AIML),CSE(AI),CSE(DS),CSE(AIDS),CSE(CS),CSE(IOTCSIBCT),CSE(IOT),AIDS,IOT,AIML,CSD)	.....
<b>ELECTRONICS AND INSTRUMENTATION ENGINEERING (10-EIE)</b>	Electronic Circuit Analysis <b>R2022041</b> (Comm to ECE,EIE,ECT)	Microprocessor and Microcontrollers <b>R2022101</b>	Integrated Circuits and applications <b>R2022102</b>	Linear Control Systems <b>R2022044</b> (Common to ECE,EIE)	Managerial Economics & Financial Analysis <b>R2022015</b> (Comm to CE,EEE,EIE,ECT,AGE,FE)	.....



**JAWAHARLAL NEHRU TECHNOLOGICAL UNIVERSITY KAKINADA**

UNIVERSITY EXAMINATION CENTER, KAKINADA

**II B.TECH II SEMESTER (R20 REGULATION) REGULAR/SUPPLEMENTARY EXAMINATIONS, APRIL/MAY-2024**

**TIME TABLE**

**TIME: 10.00 AM TO 01.00 PM**

BRANCH	DAY & DATE					
	29-04-2024 (Monday)	01-05-2024 (Wednesday)	03-05-2024 (Friday)	09-05-2024 (Thursday)	11-05-2024 (Saturday)	14-05-2024 (Tuesday)
<b>INFORMATION TECHNOLOGY (12-IT)</b>	Statistics with R <b>R2022121</b>	Principles of Software Engineering <b>R2022122</b>	Automata Theory and Compiler Design <b>R2022123</b>	Java Programming <b>R2022054</b> (Common to CSE,IT,CSE(CSBS),CS)	Managerial Economics and Financial Accountancy <b>R2022055</b> (Common to CSE,CST,IT,MM,CSE(AIML),CSE(AD),CSE(DS),CSE(AIDS),CSE(CS),CSE(IOTCSIBCT),CSE(IOT),AIDS,IOT,AIML,CSD)	.....
<b>ELECTRONICS &amp; COMMUNICATION</b>	Electronic Circuit Analysis <b>R2022041</b> (Comm to ECE,EIE,ECT)	Computer Architecture and Organization <b>R2022141</b>	Analog Communications <b>R2022043</b> (Common to ECE,ECT)	Electromagnetic Waves and Transmission Lines <b>R2022142</b>	Managerial Economics & Financial Analysis <b>R2022015</b> (Comm to CE,EEE,EIE,ECT,AGE,FE)	.....
<b>AUTO MOBILE ENGINEERING (24-AME)</b>	Complex Variables and Statistical Methods <b>R2022011</b> (Comm to CE,ME,AME,MM)	Applied Thermodynamics <b>R2022241</b>	Automobile Engines <b>R2022242</b>	Automobile Electrical and Electronics <b>R2022243</b>	Operations Research <b>R2022244</b>	.....
<b>MINING ENGINEERING (26-MM)</b>	Complex Variables and Statistical Methods <b>R2022011</b> (Comm to CE,ME,AME,MM)	Fluid Mechanics and Hydraulic Power <b>R2022261</b>	Rock Mechanics <b>R2022262</b>	Mine Ventilation <b>R2022263</b>	Managerial Economics and Financial Accountancy <b>R2022055</b> (Common to CSE,CST,IT,MM,CSE(AIML),CSE(AD),CSE(DS),CSE(AIDS),CSE(CS),CSE(IOTCSIBCT),CSE(IOT),AIDS,IOT,AIML,CSD)	.....
<b>PETROLEUM ENGINEERING/PE TROLEUM TECHNOLOGY (27-PE)</b>	Mathematics –IV <b>R2022271</b>	Instrumentation, Process Dynamics & Control <b>R2022272</b>	Thermodynamics for Petroleum Engineers <b>R2022273</b>	Drilling & Well Completions <b>R2022274</b>	Management and Organizational Behavior <b>R2022045</b> (Common to ECE, PE)	.....



**JAWAHARLAL NEHRU TECHNOLOGICAL UNIVERSITY KAKINADA**

UNIVERSITY EXAMINATION CENTER, KAKINADA

**II B.TECH II SEMESTER (R20 REGULATION) REGULAR/SUPPLEMENTARY EXAMINATIONS, APRIL/MAY-2024**

**TIME TABLE**

**TIME: 10.00 AM TO 01.00 PM**

BRANCH	DAY & DATE					
	29-04-2024 (Monday)	01-05-2024 (Wednesday)	03-05-2024 (Friday)	09-05-2024 (Thursday)	11-05-2024 (Saturday)	14-05-2024 (Tuesday)
<b>AGRICULTURAL ENGINEERING (35-AGE)</b>	Heat and Mass Transfer <b>R2022351</b>	Ground Water Hydrology, Well and Pumps <b>R2022352</b>	Theory of Structures <b>R2022353</b>	Soil Mechanics <b>R2022354</b>	Managerial Economics & Financial Analysis <b>R2022015</b> <small>(Comm to CE,EEE,EIE,ECT,AGE,FE)</small>	.....
<b>CSE (Artificial Intelligence and Machine Learning) (42)</b>	Probability and Statistics <b>R2022051</b> <small>(Common to CSE,CST,CSE(AIML),CSE(AI),CSE(DS),CSE(AIDS),CSE(CS),CSE(IOTCSIBCT),CSE(CSBS),CSE(IOT),AIDS,JoT,AIML,CSD)</small>	Computer Organization <b>R2022421</b> <small>(Common to CSE(AIML),CSE(AI),CSE(DS),CSE(AIDS),AIDS,AIML)</small>	Formal Languages and Automata Theory <b>R2022053</b> <small>(Common to CSE,CST,CSE(AIML),CSE(AI),CSE(DS),CSE(AIDS),CSE(CS),CSE(IOTCSIBCT),CSE(IOT),AIDS,AIML,IOT)</small>	Data Warehousing and Mining <b>R2022422</b> <small>(Comm to CSE(AIML),AIDS,CSE(AIDS),AIDS,IOTAIML,CSD)</small>	Managerial Economics and Financial Accountancy <b>R2022055</b> <small>(Common to CSE,CST,IT,MM,CSE(AIML),CSE(AI),CSE(DS),CSE(AIDS),CSE(CS),CSE(IOTCSIBCT),CSE(IOT),AIDS,IOT,AIML,CSD)</small>	.....
<b>CSE (Artificial Intelligence) (43)</b>	Probability and Statistics <b>R2022051</b> <small>(Common to CSE,CST,CSE(AIML),CSE(AI),CSE(DS),CSE(AIDS),CSE(CS),CSE(IOTCSIBCT),CSE(CSBS),CSE(IOT),AIDS,JoT,AIML,CSD)</small>	Computer Organization <b>R2022421</b> <small>(Common to CSE(AIML),CSE(AI),CSE(DS),CSE(AIDS),AIDS,AIML)</small>	Formal Languages and Automata Theory <b>R2022053</b> <small>(Common to CSE,CST,CSE(AIML),CSE(AI),CSE(DS),CSE(AIDS),CSE(CS),CSE(IOTCSIBCT),CSE(IOT),AIDS,AIML,IOT)</small>	Data Warehousing and Mining <b>R2022422</b> <small>(Comm to CSE(AIML),AIDS,CSE(AIDS),AIDS,IOTAIML,CSD)</small>	Managerial Economics and Financial Accountancy <b>R2022055</b> <small>(Common to CSE,CST,IT,MM,CSE(AIML),CSE(AI),CSE(DS),CSE(AIDS),CSE(CS),CSE(IOTCSIBCT),CSE(IOT),AIDS,IOT,AIML,CSD)</small>	.....





**JAWAHARLAL NEHRU TECHNOLOGICAL UNIVERSITY KAKINADA**

UNIVERSITY EXAMINATION CENTER, KAKINADA

**II B.TECH II SEMESTER (R20 REGULATION) REGULAR/SUPPLEMENTARY EXAMINATIONS, APRIL/MAY-2024**

**TIME TABLE**

**TIME: 10.00 AM TO 01.00 PM**

BRANCH	DAY & DATE					
	29-04-2024 (Monday)	01-05-2024 (Wednesday)	03-05-2024 (Friday)	09-05-2024 (Thursday)	11-05-2024 (Saturday)	14-05-2024 (Tuesday)
<b>CSE (Data Science) (44)</b>	Probability and Statistics <b>R2022051</b> (Common to CSE,CST,CSE(AIML),CSE(AI),CSE(DS),CSE(AIDS),CSE(CS),CSE(IOTCSIBCT),CSE(CSBS),CSE(IOT),AIDS,IoT,AIML,CSD)	Computer Organization <b>R2022421</b> (Common to CSE(AIML),CSE(AI),CSE(DS),CSE(AIDS),AIDS,AIML)	Formal Languages and Automata Theory <b>R2022053</b> (Common to CSE,CST,CSE(AIML),CSE(AI),CSE(DS),CSE(AIDS),CSE(CS),CSE(IOTCSIBCT),CSE(IOT),AIDS,AIML,IOT)	Data Warehousing and Mining <b>R2022422</b> (Comm to CSE(AIML),AI,DS,CSE(AIDS),AIDS,IOTAIML,CSD)	Managerial Economics and Financial Accountancy <b>R2022055</b> (Common to CSE,CST,IT,MM,CSE(AIML),CSE(AI),CSE(DS),CSE(AIDS),CSE(CS),CSE(IOTCSIBCT),CSE(IOT),AIDS,IOT,AIML,CSD)	.....
<b>CSE (Artificial Intelligence and Data Science) (45)</b>	Probability and Statistics <b>R2022051</b> (Common to CSE,CST,CSE(AIML),CSE(AI),CSE(DS),CSE(AIDS),CSE(CS),CSE(IOTCSIBCT),CSE(CSBS),CSE(IOT),AIDS,IoT,AIML,CSD)	Computer Organization <b>R2022421</b> (Common to CSE(AIML),CSE(AI),CSE(DS),CSE(AIDS),AIDS,AIML)	Formal Languages and Automata Theory <b>R2022053</b> (Common to CSE,CST,CSE(AIML),CSE(AI),CSE(DS),CSE(AIDS),CSE(CS),CSE(IOTCSIBCT),CSE(IOT),AIDS,AIML,IOT)	Data Warehousing and Mining <b>R2022422</b> (Comm to CSE(AIML),AI,DS,CSE(AIDS),AIDS,IOTAIML,CSD)	Managerial Economics and Financial Accountancy <b>R2022055</b> (Common to CSE,CST,IT,MM,CSE(AIML),CSE(AI),CSE(DS),CSE(AIDS),CSE(CS),CSE(IOTCSIBCT),CSE(IOT),AIDS,IOT,AIML,CSD)	.....
<b>CSE (Cyber Security) (46)</b>	Probability and Statistics <b>R2022051</b> (Common to CSE,CST,CSE(AIML),CSE(AI),CSE(DS),CSE(AIDS),CSE(CS),CSE(IOTCSIBCT),CSE(CSBS),CSE(IOT),AIDS,IoT,AIML,CSD)	Database Management Systems <b>R2022052</b> (Common to CSE,CST,CSE(CS),CSE(IOTCSIBCT),CSE(CSBS),CSE(IOT),IOT)	Formal Languages and Automata Theory <b>R2022053</b> (Common to CSE,CST,CSE(AIML),CSE(AI),CSE(DS),CSE(AIDS),CSE(CS),CSE(IOTCSIBCT),CSE(IOT),AIDS,AIML,IOT)	Computer Organization & Architecture <b>R2022061</b> (Common to CST, CSE(CS), CSE(IOTCSIBCT), CSE(IOT),IOT)	Managerial Economics and Financial Accountancy <b>R2022055</b> (Common to CSE,CST,IT,MM,CSE(AIML),CSE(AI),CSE(DS),CSE(AIDS),CSE(CS),CSE(IOTCSIBCT),CSE(IOT),AIDS,IOT,AIML,CSD)	.....



**JAWAHARLAL NEHRU TECHNOLOGICAL UNIVERSITY KAKINADA**

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**II B.TECH II SEMESTER (R20 REGULATION) REGULAR/SUPPLEMENTARY EXAMINATIONS, APRIL/MAY-2024**

**TIME TABLE**

**TIME: 10.00 AM TO 01.00 PM**

BRANCH	DAY & DATE					
	29-04-2024 (Monday)	01-05-2024 (Wednesday)	03-05-2024 (Friday)	09-05-2024 (Thursday)	11-05-2024 (Saturday)	14-05-2024 (Tuesday)
<b>CSE (Internet of things and Cyber security including Block chain Technology) (47)</b>	Probability and Statistics <b>R2022051</b> (Common to CSE,CST,CSE(AIML),CSE(AI),CSE(DS),CSE(AIDS),CSE(CS),CSE(IOTCSIBCT),CSE(CSBS),CSE(IOT),AIDS,AIML)	Database Management Systems <b>R2022052</b> (Common to CSE,CST,CSE(CS),CSE(IOTCSIBCT),CSE(CSBS),CSE(IOT), IOT)	Formal Languages and Automata Theory <b>R2022053</b> (Common to CSE,CST,CSE(AIML),CSE(AI),CSE(DS),CSE(AIDS),CSE(CS),CSE(IOTCSIBCT),CSE(IOT),AIDS,AIML,IOT)	Computer Organization & Architecture <b>R2022061</b> (Common to CST, CSE(CS), CSE(IOTCSIBCT), CSE(IOT),IOT)	Managerial Economics and Financial Accountancy <b>R2022055</b> (Common to CSE,CST,IT,MM,CSE(AIML),CSE(AI),CSE(DS),CSE(AIDS),CSE(CS),CSE(IOTCSIBCT),CSE(IOT),AIDS,IOT,AI,ML,CSD)	.....
<b>CSE (Computer Science and Business System) (48)</b>	Probability and Statistics <b>R2022051</b> (Common to CSE,CST,CSE(AIML),CSE(AI),CSE(DS),CSE(AIDS),CSE(CS),CSE(IOTCSIBCT),CSE(CSBS),CSE(IOT),AIDS,IoT,AIML,CSD)	Database Management Systems <b>R2022052</b> (Common to CSE,CST,CSE(CS),CSE(IOTCSIBCT),CSE(CSBS),CSE(IOT), IOT)	Operating Systems <b>R2022481</b> (Common to CSE(CSBS), CS)	Java Programming <b>R2022054</b> (Common to CSE,IT,CSE(CSBS),CS)	Fundamentals of Economics <b>R2022482</b>	.....
<b>CSE (Internet of Things) (49)</b>	Probability and Statistics <b>R2022051</b> (Common to CSE,CST,CSE(AIML),CSE(AI),CSE(DS),CSE(AIDS),CSE(CS),CSE(IOTCSIBCT),CSE(CSBS),CSE(IOT),AIDS,IoT,AIML,CSD)	Database Management Systems <b>R2022052</b> (Common to CSE,CST,CSE(CS),CSE(IOTCSIBCT),CSE(CSBS),CSE(IOT), IOT)	Formal Languages and Automata Theory <b>R2022053</b> (Common to CSE,CST,CSE(AIML),CSE(AI),CSE(DS),CSE(AIDS),CSE(CS),CSE(IOTCSIBCT),CSE(IOT),AIDS,AIML,IOT)	Computer Organization & Architecture <b>R2022061</b> (Common to CST, CSE(CS), CSE(IOTCSIBCT), CSE(IOT),IOT)	Managerial Economics and Financial Accountancy <b>R2022055</b> (Common to CSE,CST,IT,MM,CSE(AIML),CSE(AI),CSE(DS),CSE(AIDS),CSE(CS),CSE(IOTCSIBCT),CSE(IOT),AIDS,IOT,AIML,CSD)	.....
<b>FOOD ENGINEERING (51)</b>	Python Programming <b>R2022021</b> (Common to EEE, FE)	Principles of Food Engineering - II <b>R2022511</b>	Food Chemistry <b>R2022512</b>	Processing of Cereals, Pulses and Oilseeds <b>R2022513</b>	Managerial Economics & Financial Analysis <b>R2022015</b> (Common to CE,EEE,EIE,ECT,AGE,FE)	.....



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<b>ARTIFICIAL INTELLIGENCE AND DATA SCIENCE (54)</b>	Probability and Statistics <b>R2022051</b> (Common to CSE,CST,CSE(AIML),CSE(AI),CSE(DS),CSE(AIDS),CSE(CS),CSE(IOTCSIBCT),CSE(CSBS),CSE(IOT),AIDS,IoT,AIML,CSD)	Computer Organization <b>R2022421</b> (Common to CSE(AIML),CSE(AI),CSE(DS),CSE(AIDS),AIDS,AIML)	Formal Languages and Automata Theory <b>R2022053</b> (Common to CSE,CST,CSE(AIML),CSE(AI),CSE(DS),CSE(AIDS),CSE(CS),CSE(IOTCSIBCT),CSE(IOT),AIDS,AIML,IOT)	Data Warehousing and Mining <b>R2022422</b> (Comm to CSE(AIML),AI,DS,CSE(AIDS),AIDS,IOTAIML,CSD)	Managerial Economics and Financial Accountancy <b>R2022055</b> (Common to CSE,CST,IT,MM,CSE(AIML),CSE(AI),CSE(DS),CSE(AIDS),CSE(CS),CSE(IOTCSIBCT),CSE(IOT),AIDS,IOT,AIML,CSD)	.....
<b>PHARMACEUTICAL ENGINEERING (55)</b>	Heat Transfer for Pharmaceutical Engineers <b>R2022551</b>	Physical Pharmaceutics <b>R2022552</b>	Principles of Microbiology and Biochemistry <b>R2022553</b>	Reaction Engineering for Pharmaceutical Engineers <b>R2022554</b>	Anatomy and Physiology <b>R2022555</b>	.....
<b>CYBER SECURITY (59)</b>	Probability and Statistics <b>R2022051</b> (Common to CSE,CST,CSE(AIML),CSE(AI),CSE(DS),CSE(AIDS),CSE(CS),CSE(IOTCSIBCT),CSE(CSBS),CSE(IOT),AIDS,IoT,AIML,CSD)	Database Management Systems <b>R2022052</b> (Common to CSE,CST,CSE(CS),CSE(IOTCSIBCT),CSE(CSBS),CSE(IOT), IOT)	Formal Languages and Automata Theory <b>R2022053</b> (Common to CSE,CST,CSE(AIML),CSE(AI),CSE(DS),CSE(AIDS),CSE(CS),CSE(IOTCSIBCT),CSE(IOT),AIDS,AIML,IOT)	Computer Organization & Architecture <b>R2022061</b> (Common to CST, CSE(CS), CSE(IOTCSIBCT), CSE(IOT),IOT)	Managerial Economics and Financial Accountancy <b>R2022055</b> (Common to CSE,CST,IT,MM,CSE(AIML),CSE(AI),CSE(DS),CSE(AIDS),CSE(CS),CSE(IOTCSIBCT),CSE(IOT),AIDS,IOT,AIML,CSD)	.....
<b>INTERNET OF THINGS (60)</b>	Probability and Statistics <b>R2022051</b> (Common to CSE,CST,CSE(AIML),CSE(AI),CSE(DS),CSE(AIDS),CSE(CS),CSE(IOTCSIBCT),CSE(CSBS),CSE(IOT),AIDS,IoT,AIML,CSD)	Database Management Systems <b>R2022052</b> (Common to CSE,CST,CSE(CS),CSE(IOTCSIBCT),CSE(CSBS),CSE(IOT), IOT)	Formal Languages and Automata Theory <b>R2022053</b> (Common to CSE,CST,CSE(AIML),CSE(AI),CSE(DS),CSE(AIDS),CSE(CS),CSE(IOTCSIBCT),CSE(IOT),AIDS,AIML,IOT)	Computer Organization & Architecture <b>R2022061</b> (Common to CST, CSE(CS), CSE(IOTCSIBCT), CSE(IOT),IOT)	Managerial Economics and Financial Accountancy <b>R2022055</b> (Common to CSE,CST,IT,MM,CSE(AIML),CSE(AI),CSE(DS),CSE(AIDS),CSE(CS),CSE(IOTCSIBCT),CSE(IOT),AIDS,IOT,AIML,CSD)	.....



II B.TECH II SEMESTER (R20)

# JAWAHARLAL NEHRU TECHNOLOGICAL UNIVERSITY KAKINADA

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## II B.TECH II SEMESTER (R20 REGULATION) REGULAR/SUPPLEMENTARY EXAMINATIONS, APRIL/MAY-2024

### TIME TABLE

TIME: 10.00 AM TO 01.00 PM

BRANCH	DAY & DATE					
	29-04-2024 (Monday)	01-05-2024 (Wednesday)	03-05-2024 (Friday)	09-05-2024 (Thursday)	11-05-2024 (Saturday)	14-05-2024 (Tuesday)
<b>ARTIFICIAL INTELLIGENCE AND MACHINE LEARNING (61)</b>	Probability and Statistics <b>R2022051</b> (Common to CSE,CST,CSE(AIML),CSE(AI),CSE(DS),CSE(AIDS),CSE(CS),CSE(IOTCSIBCT),CSE(CSBS),CSE(IOT),AIDS,IoT,AIML,CSD)	Computer Organization <b>R2022421</b> (Common to CSE(AIML),CSE(AI),CSE(DS),CSE(AIDS),AIDS,AIML)	Formal Languages and Automata Theory <b>R2022053</b> (Common to CSE,CST,CSE(AIML),CSE(AI),CSE(DS),CSE(AIDS),CSE(CS),CSE(IOTCSIBCT),CSE(IOT),AIDS,AIML,IOT)	Data Warehousing and Mining <b>R2022422</b> (Comm to CSE(AIML),AIDS,CSE(AIDS),AIDS,IOTAIML,CSD)	Managerial Economics and Financial Accountancy <b>R2022055</b> (Common to CSE,CST,IT,MM,CSE(AIML),CSE(AI),CSE(DS),CSE(AIDS),CSE(CS),CSE(IOTCSIBCT),CSE(IOT),AIDS,IOT,AIML,CSD)	.....
<b>COMPUTER SCIENCE AND DESIGN (62)</b>	Probability and Statistics <b>R2022051</b> (Common to CSE,CST,CSE(AIML),CSE(AI),CSE(DS),CSE(AIDS),CSE(CS),CSE(IOTCSIBCT),CSE(CSBS),CSE(IOT),AIDS,IoT,AIML,CSD)	Computer Organization <b>R2022421</b> (Common to CSE(AIML),CSE(AI),CSE(DS),CSE(AIDS),AIDS,AIML)	Visual Design and Communication <b>R2022621</b>	Data Warehousing and Mining <b>R2022422</b> (Comm to CSE(AIML),AIDS,CSE(AIDS),AIDS,IOTAIML,CSD)	Managerial Economics and Financial Accountancy <b>R2022055</b> (Common to CSE,CST,IT,MM,CSE(AIML),CSE(AI),CSE(DS),CSE(AIDS),CSE(CS),CSE(IOTCSIBCT),CSE(IOT),AIDS,IOT,AIML,CSD)	.....

**NOTE:**

- (i) ANY OMISSIONS OR CLASHES IN THIS TIME TABLE MAY PLEASE BE INFORMED TO THE CONTROLLER OF EXAMINATIONS, IMMEDIATELY.
- (ii) EVEN IF GOVERNMENT DECLARES HOLIDAY ON ANY OF THE ABOVE DATES, THE EXAMINATIONS SHALL BE CONDUCTED AS USUAL.
- (iii) THE PRINCIPALS ARE REQUESTED TO INFORM THE UNIVERSITY ANY OTHER SUBSTITUTE SUBJECTS THAT ARE NOT INCLUDED IN THE ABOVE LIST IMMEDIATELY.

Date: 22-04-2024

*H. R. K. K.*  
Controller of Examinations (UG)



**JAWAHARLAL NEHRU TECHNOLOGICAL UNIVERSITY KAKINADA**  
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**III B.TECH II SEMESTER (R20) REGULAR/SUPPLEMENTARY EXAMINATIONS, MAY/JUNE-2024**

**TIME TABLE**

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BRANCH	DATE & DAY					
	24-05-2024 (Friday)	27-05-2024 (Monday)	01-06-2024 (Saturday)	03-06-2024 (Monday)	05-06-2024 (Wednesday)	07-06-2024 (Friday)
<b>CIVIL ENGINEERING (01 CE)</b>	Design And Drawing of Steel Structures (R2032011)	Water Resource Engineering (R2032012)	Geotechnical Engineering-II (R2032013)	<b>Professional Elective (PE- II) :-</b> Advanced Structural Analysis R203201A Architecture and Town Planning R203201B Road Safety Engineering R203201C Traffic Engineering R203201D	<b>Open Elective (OE II) :-</b> Elements of Civil Engineering R203201E Environmental Engineering R203201F Disaster Management R203201G Water Resource Engineering R203201H Hydraulics and Hydraulic Machinery R203201I Green Technologies R203201J Remote Sensing and GIS R203201K (Common to CE,MM)	Earthquake Resistant Design R203201L
<b>ELECTRICAL AND ELECTRONICS ENGINEERING (02 EEE)</b>	Microprocessors and Microcontrollers (R2032021)	Electrical Measurements and Instrumentation (R2032022)	Power System Analysis (R2032023)	<b>Professional Elective (PE) :-</b> Signal and Systems R203202A Electric Drives R203202B Advanced Control Systems R203202C Switchgear and Protection R203202D Big Data Analytics R203202E	<b>Open Elective (OE II) :-</b> Battery Management Systems and Charging Stations R203202F Fundamentals of utilization of Electrical Energy R203202G Indian Electricity Act R203202H	HVDC Transmission R203202I
<b>MECHANICAL ENGINEERING (03 ME)</b>	Heat Transfer (R2032031)	Design of Machine Members-II (R2031032)	Introduction to Artificial Intelligence and Machine Learning (R2032033)	<b>Professional Elective (PE) :-</b> Automobile Engineering R203203A Smart Manufacturing R203203B Advanced Mechanics of Solids R203203C Statistical Quality Control R203203D Industrial Hydraulics and Pneumatics R203203E	<b>Open Elective (OE II) :-</b> Industrial Robotics R203203G Essentials of Mechanical Engineering R203203H Advanced Materials R203203I Introduction to Automobile Engineering R203203J	Advanced Computational Fluid Dynamics R203203K Electric & Hybrid Vehicles R203203L



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<b>ELECTRONICS &amp; COMMUNICATION ENGINEERING (04 ECE)</b>	Microprocessor and Microcontrollers (R2032041)	VLSI Design (R2032042)	Digital Signal Processing (R2032043)	<u>Professional Elective (PE) :-</u> Microwave Engineering R203204A Mobile & Cellular Communication R203204B Embedded Systems R203204C CMOS Analog IC Design R203204D	<u>Open Elective (OE II) :-</u> Basics of Signals and Systems R203204E Electronic Measurements and Instrumentation R203204F Principles of Signal Processing R203204G Industrial Electronics R203204H Consumer Electronics R203204I Fundamentals of Microprocessors and Microcontrollers R203204J Transducers and Sensors R203204K IOT and Applications R203204L Soft Computing Techniques R203204M IC Applications R203204N Principles of Communications R203204O Basic Electronics R203204P Data Communications R203204Q Digital Logic Design R203204R Remote Sensing and GIS R203204S Bio Medical Instrumentation R203204T	Principles of Communication R203204U, IOT Architecture and It's Protocols R203249C
<b>COMPUTER SCIENCE &amp; ENGINEERING (05 CSE)</b>	Machine Learning (R2032051) (Common to CSE,IT)	Compiler Design (R2032052)	Cryptography and Network Security (R2032053) (Common to CSE,IT)	<u>Professional Elective (PE) :-</u> Mobile Computing R203205A (Common to CSE,IT) Big Data Analytics R203205B Object Oriented Analysis and Design R203205C Network Programming R203205D (Comm to CSE,CSE(AIML),CSE(AI),AIML,CSD)	<u>Open Elective (OE II) :-</u> MEAN Stack Development R203205E (Common to CSE,CSE(AIML),CSE(AI),CSE(DS),CSE(AIDS),AIDS,,AIML,CSD) Python Programming R203205F (Common to CSE,IT) Web Technologies R203205G (Common to CSE,IT) Soft Computing R203205H Distributed Computing R203205I (Common to CSE,IT) AI and ML for Robotics R203205J (Common to CSE,IT) Computer Networks R203205K (Common to CSE,IT) Big Data Analytics R203205L (Common to CSE,IT) Computational Tools R203205M (Common to CSE,IT)	Computational Thinking R203205N, Operating Systems R203205Q, Database Management Systems R203205R, , Mining Massive Data Sets R203205O, Natural Language Processing R203205P Objected Oriented Programming Through Java R203205V Data Structures and Algorithms R203205T Information Security Analysis and Audit R203205Y



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<b>INFORMATION TECHNOLOGY (12 IT)</b>	Machine Learning (R2032051) (Common to CSE,IT)	Big Data Analytics (R2032121) (Comm to IT,CSE(DS),CSE(AIDS),AIDS)	Cryptography and Network Security (R2032053) (Common to CSE,IT)	<u>Professional Elective (PE II) :-</u> Mobile Computing R203205A (Common to CSE,IT) MEAN Stack Development R203212A Design Patterns R203212B Scripting Languages R203212C	<u>Open Elective (OE II) :-</u> Python Programming R203205F (Common to CSE,IT) Web Technologies R203205G (Common to CSE,IT) Soft Computing R203205H (Common to CSE,IT) Distributed Computing R203205I (Common to CSE,IT) AI and ML for Robotics R203205J (Common to CSE,IT) Computer Networks R203205K (Common to CSE,IT) Big Data Analytics R203205L (Common to CSE,IT) Computational Tools R203205M (Common to CSE,IT)	.....
<b>AUTO MOBILE ENGINEERING (24 AME)</b>	Automobile Components and Chassis Design (R2032241)	Automobile Transmission Systems (R2032242)	Vehicle Body Engineering (R2032243)	<u>Professional Elective (PE II) :-</u> CFD for Automobile Applications R203224A Condition Monitoring R203224B Noise Vibrations and Harshness R203224C Mechatronics R203224D Measurements and Control Systems R203224E	<u>Open Elective (OE II) :-</u> Alternative Fuels for Automobiles R203224G Vehicle Stability and Control R203224H Electric Vehicles and Hybrid Technology R203224I	.....
<b>MINING ENGINEERING (26 MM)</b>	Surface Mining (R2032261)	Mine Legislation and Safety (R2032262)	Underground Metal Mining (R2032263)	<u>Professional Elective (PE) :-</u> Computer Applications and Tools R203226A Mine Economics R203226B Mine Mechanization R203226C Mine Automation R203226D	<u>Open Elective (OE II) :-</u> Mineral Economics, Business and Trade R203226E Landslides & Slope Stability Engineering R203226F Remote Sensing and GIS R203201K Geostatistics R203226G	.....



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<b>AGRICULTURAL ENGINEERING (35 AGE)</b>	Soil and Water Conservation Engineering (R2032351)	Farm Machinery and Equipment - II (R2032352)	Agricultural Process Engineering (R2032353)	<b>Professional Elective (PE) :-</b> Food Packaging Technology R203235A Watershed Management R203235B Human Engineering and Safety R203235C	<b>Open Elective (OE II) :-</b> Principles of Soil Science and Agronomy R203235D Farm Power and Tractor Systems R203235E Soil and Water Conservation Engineering R203235F Ground Water Hydrology, Wells and Pumps R203235G, Surface Water Hydrology R203235H, Post Harvest Engineering of Cereals, Pulses and Oilseeds R203235I, Agricultural Process Engineering R203235J	.....
<b>CSE (Artificial Intelligence and Machine Learning) (42)</b>	Computer Networks (R2032421) (Comm to CSE(AIML),CSE(AI), CSE(DS), CSE(AIDS), AIDS,AIML, CSD)	Deep Learning (R2032422) (Common to CSE(AIML), CSE(AI),AIML)	Design and Analysis of Algorithms (R2032423) (Common to CSE(AIML),CSE(AI),CSE(DS),CSE(AIDS),AIDS,AIML,CSD)	<b>Professional Elective (PE) :-</b> Software Project Management R203242A (Comm to CSE(AIML),CSE(AI),CSE(DS),CSE(AIDS),AIDS,AIML,CSD) Distributed Systems R203242B (Comm to CSE(AIML),CSE(AI),CSE(DS),CSE(AIDS),AIDS,AIML,CSD) Internet of Things R203242C (Comm to CSE(AIML),CSE(AI),AIML) Network Programming R203205D (Comm to CSE,CSE(AIML),CSE(AI),AIML,CSD)	<b>Open Elective (OE I) :-</b> MEAN Stack Development R203205E (Common to CSE,CSE(AIML),CSE(AI),CSE(DS),CSE(AIDS),AIDS,AIML,CSD)	.....
<b>CSE (Artificial Intelligence) (43)</b>	Computer Networks (R2032421) (Comm to CSE(AIML),CSE(AI), CSE(DS), CSE(AIDS), AIDS,AIML, CSD)	Deep Learning (R2032422) (Common to CSE(AIML), CSE(AI),AIML)	Design and Analysis of Algorithms (R2032423) (Common to CSE(AIML),CSE(AI), CSE(DS),CSE(AIDS), AIDS,AIML)	<b>Professional Elective (PE) :-</b> Software Project Management R203242A (Common to CSE(AIML),CSE(AI),CSE(DS),CSE(AIDS),AIDS,AIML,CSD) Distributed Systems R203242B (Common to CSE(AIML),CSE(AI),CSE(DS),CSE(AIDS),AIDS,AIML,CSD) Internet of Things R203242C (Common to CSE(AIML),CSE(AI),AIML) Network Programming R203205D (Comm to CSE,CSE(AIML),CSE(AI),AIML,CSD) Expert Systems R203243A	<b>Open Elective (OE II) :-</b> MEAN Stack Development R203205E (Common to CSE,CSE(AIML),CSE(AI),CSE(DS),CSE(AIDS),AIDS,AIML,CSD)	.....





**JAWAHARLAL NEHRU TECHNOLOGICAL UNIVERSITY KAKINADA**  
UNIVERSITY EXAMINATION CENTER, KAKINADA

**III B.TECH II SEMESTER (R20) REGULAR/SUPPLEMENTARY EXAMINATIONS, MAY/JUNE-2024**

**TIME TABLE**

**TIME: 10.00 AM TO 01.00 PM**

BRANCH	DATE & DAY					
	24-05-2024 (Friday)	27-05-2024 (Monday)	01-06-2024 (Saturday)	03-06-2024 (Monday)	05-06-2024 (Wednesday)	07-06-2024 (Friday)
<b>CSE (Data Science) (44)</b>	Computer Networks <b>(R2032421)</b> (Comm to CSE(AIML),CSE(AI), CSE(DS), CSE(AIDS), AIDS,AIML, CSD)	Big Data Analytics <b>(R2032121)</b> (Common to IT,CSE(DS),CSE(AIDS),AIDS)	Design and Analysis of Algorithms <b>(R2032423)</b> (Common to CSE(AIML),CSE(AI),CSE(DS),CSE(AIDS),AIDS,AIML)	<b>Professional Elective (PE) :-</b> Deep Learning <b>R203244A</b> (Comm to CSE(DS),CSE(AIDS),AIDS,CSD) Software Project Management <b>R203242A</b> (Common to CSE(AIML),CSE(AI),CSE(DS),CSE(AIDS),AIDS,AIML,CSD) Distributed Systems <b>R203242B</b> (Common to CSE(AIML),CSE(AI),CSE(DS),CSE(AIDS),AIDS,AIML,CSD) Data Wrangling in Data Science <b>R203244B</b> (Comm to CSE(DS),CSE(AIDS),AIDS) ETL Principles <b>R203244C</b>	<b>Open Elective (OE II) :-</b> MEAN Stack Development <b>R203205E</b> (Common to CSE,CSE(AIML),CSE(AI),CSE(DS),CSE(AIDS),AIDS,AIML,CSD)	.....
<b>CSE (Artificial Intelligence and Data Science) (45)</b>	Computer Networks <b>(R2032421)</b> (Comm to CSE(AIML),CSE(AI), CSE(DS), CSE(AIDS), AIDS,AIML, CSD)	Big Data Analytics <b>(R2032121)</b> (Common to IT,CSE(DS),CSE(AIDS),AIDS)	Design and Analysis of Algorithms <b>(R2032423)</b> (Common to CSE(AIML),CSE(AI),CSE(DS),CSE(AIDS),AIDS,AIML)	<b>Professional Elective (PE) :-</b> Deep Learning <b>R203244A</b> (Comm to CSE(DS),CSE(AIDS),AIDS,CSD) Software Project Management <b>R203242A</b> (Common to CSE(AIML),CSE(AI),CSE(DS),CSE(AIDS),AIDS,AIML,CSD) Distributed Systems <b>R203242B</b> (Common to CSE(AIML),CSE(AI),CSE(DS),CSE(AIDS),AIDS,AIML,CSD) Data Wrangling in Data Science <b>R203244B</b> (Comm to CSE(DS),CSE(AIDS),AIDS) Snow Flake Cloud Analytics <b>R203245A</b> (Common to CSE(AIDS),AIDS)	<b>Open Elective (OE II) :-</b> MEAN Stack Development <b>R203205E</b> (Common to CSE,CSE(AIML),CSE(AI),CSE(DS),CSE(AIDS),AIDS,AIML,CSD)	.....
<b>CSE (Cyber Security) (46)</b>	Machine Learning <b>(R2032462)</b> (Common to CSE(CS),CSE(IOT),CS)	Cryptography and Network Security <b>(R2032461)</b> (Comm to CSE(CS),IOTCSIBCT,CS)	Introduction to Cyber Security <b>(R2032463)</b> (Common to CSE(CS),IOTCSIBCT,CS)		<b>Open Elective (OE II) :-</b> Web Services <b>R203246B</b> (Comm to CSE(CS),IOTCSIBCT,CS)	.....



**JAWAHARLAL NEHRU TECHNOLOGICAL UNIVERSITY KAKINADA**  
UNIVERSITY EXAMINATION CENTER, KAKINADA

**III B.TECH II SEMESTER (R20) REGULAR/SUPPLEMENTARY EXAMINATIONS, MAY/JUNE-2024**

**TIME TABLE**

**TIME: 10.00 AM TO 01.00 PM**

BRANCH	DATE & DAY					
	24-05-2024 (Friday)	27-05-2024 (Monday)	01-06-2024 (Saturday)	03-06-2024 (Monday)	05-06-2024 (Wednesday)	07-06-2024 (Friday)
<b>CSE (Internet of things and Cyber security including Block chain Technology) (47)</b>	Block Chain Technologies (R2032471)	Cryptography and Network Security (R2032461) (Common to IT,CSE(DS),CSE(AIDS) ,AIDS)	Introduction to Cybersecurity (R2032463) (Common to CSE(CS),IOTCSIBCT, CS)		<b>Open Elective (OE II) :-</b> Web Services R203246B (Comm to CSE(CS)IOTCSIBCT,CS)	.....
<b>CSE (Internet of Things) (49)</b>	Machine Learning (R2032462) (Common to CSE(CS)CSE(IOT),CS )	Embedded System Design (R2032491)	Sensors and Actuator Devices for IoT (R2032492)		<b>Open Elective (OE II) :-</b> Social Network and Semantic Web Course R203249B	.....
<b>FOOD ENGINEERING (51)</b>	Mass Transfer in Food Processing (R2032511)	Processing of Milk, Meat and Marine Products (R2032512)	Food Packaging Technologies (R2032513)	Separation Techniques in Food Processing R203251A Thermal Operations in Food Processing R203251B Automation in Food Industry R203251C	Membrane Technology in Food Engineering R203251D Renewable Energy Systems R203251E TQM in Food Industry R203251F	.....
<b>ARTIFICIAL INTELLIGENCE AND DATA SCIENCE (54)</b>	Computer Networks (R2032421) (Comm to CSE(AIML),CSE(AI), CSE(DS), CSE(AIDS), AIDS,AIML, CSD)	Big Data Analytics (R2032121) (Common to IT,CSE(DS),CSE(AIDS) ,AIDS)	Design and Analysis of Algorithms (R2032423) (Common to CSE(AIML),CSE(AI), CSE(DS),CSE(AIDS), AIDS,AIML)	<b>Professional Elective (PE) :-</b> Deep Learning R203244A (Common to CSE(DS),CSE(AIDS),AIDS,CSD) Software Project Management R203242A Distributed Systems R203242B (Common to CSE(AIML),CSE(AI),CSE(DS),CSE(AIDS),AID S,AIML,CSD) Data Wrangling in Data Science R203244B (Common to CSE(DS),CSE(AIDS),AIDS) Snow Flake Cloud Analytics R203245A (Common to CSE(AIDS),AIDS)	<b>Open Elective (OE II) :-</b> MEAN Stack Development R203205E (Common to CSE,CSE(AIML),CSE(AI),CSE(DS),CSE(AIDS),AIDS ,,AIML,CSD)	.....



**JAWAHARLAL NEHRU TECHNOLOGICAL UNIVERSITY KAKINADA**  
UNIVERSITY EXAMINATION CENTER, KAKINADA

**III B.TECH II SEMESTER (R20) REGULAR/SUPPLEMENTARY EXAMINATIONS, MAY/JUNE-2024**

**TIME TABLE**

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<b>PHARMACEUTICAL ENGINEERING (55)</b>	Pharmaceutical Engineering – II (R2032551)	Instrumental Methods of Analysis (R2032552)	Principles of Transducers and Measurements (R2032553)	<b>Professional Elective (PE) :-</b> Computer Aided Drug Design R203255A Pharmaceutical Regulatory Affairs R203255B Novel Drug Delivery Systems R203255C	<b>Open Elective (OE II) :-</b> Hospital Management and Information Systems R203255D Neural Networks and Fuzzy Logic R203255E Introduction to Database Management R203255F	Water Conservation Management (R2032554)
<b>CYBER SECURITY (59)</b>	Machine Learning (R2032462) (Common to CSE(CS),CSE(IOT),CS)	Cryptography and Network Security (R2032461) (Common to IT,CSE(DS),CSE(AIDS),AI,DS)	Introduction to Cyber Security (R2032463) (Common to CSE(CS),IOTCSIBCT,CS)		<b>Open Elective (OE II) :-</b> Web Services R203246B (Common to CSE(CS),IOTCSIBCT,CS)	.....
<b>ARTIFICIAL INTELLIGENCE AND MACHINE LEARNING (61)</b>	Computer Networks (R2032421) (Comm to CSE(AIML),CSE(AI), CSE(DS), CSE(AIDS), AIDS,AIML, CSD)	Deep Learning (R2032422) (Common to CSE{ AIML}, CSE(AI),AIML)	Design and Analysis of Algorithms (R2032423) (Common to CSE(AIML),CSE(AI),CSE(DS),CSE(AIDS),AIDS,AIML)	<b>Professional Elective (PE) :-</b> Software Project Management R203242A (Common to CSE(AIML),CSE(AI),CSE(DS),CSE(AIDS),AIDS,AIML,CSD) Distributed Systems R203242B (Common to CSE(AIML),CSE(AI),CSE(DS),CSE(AIDS),AIDS,AIML,CSD) Internet of Things R203242C (Common to CSE(AIML),CSE(AI),AIML) Network Programming R203205D (Comm to CSE,CSE(AIML),CSE(AI),AIML,CSD)	<b>Open Elective (OE II) :-</b> MEAN Stack Development R203205E (Common to CSE,CSE(AIML),CSE(AI),CSE(DS),CSE(AIDS),AIDS,AIML,CSD)	.....



**JAWAHARLAL NEHRU TECHNOLOGICAL UNIVERSITY KAKINADA**  
UNIVERSITY EXAMINATION CENTER, KAKINADA

**III B.TECH II SEMESTER (R20) REGULAR/SUPPLEMENTARY EXAMINATIONS, MAY/JUNE-2024**

**TIME TABLE**

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BRANCH	DATE & DAY					
	24-05-2024 (Friday)	27-05-2024 (Monday)	01-06-2024 (Saturday)	03-06-2024 (Monday)	05-06-2024 (Wednesday)	07-06-2024 (Friday)
<b>COMPUTER SCIENCE AND DESIGN (62)</b>	Computer Networks <b>(R2032421)</b> <small>(Comm to CSE(AIML),CSE(AI), CSE(DS), CSE(AIDS), AIDS,AIML, CSD)</small>	Computer Aided Design <b>(R2032621)</b>	Design and Analysis of Algorithms <b>(R2032423)</b> <small>(Common to CSE(AIML),CSE(A I),CSE(DS),CSE(AI DS),AIDS,AIML)</small>	<b>Professional Elective (PE) :-</b> Deep Learning <b>R203244A</b> <small>(Common to CSE(DS),CSE(AIDS),AIDS,CSD)</small> Software Project Management <b>R203242A</b> <small>(Common to CSE(AIML),CSE(AI),CSE(DS),CSE(AIDS),AID S,AIML,CSD)</small> Distributed Systems <b>R203242B</b> <small>(Common to CSE(AIML),CSE(AI),CSE(DS),CSE(AIDS),AID S,AIML,CSD)</small> Network Programming <b>R203205D</b> <small>(Comm to CSE,CSE(AIML),CSE(AI),AIML,CSD)</small>	<b>Open Elective (OE II) :-</b> MEAN Stack Development <b>R203205E</b> <small>(Common to CSE,CSE(AIML),CSE(AI),CSE(DS),CSE(AIDS),AIDS ,,AIML,CSD)</small>	.....

**NOTE:**

- (i) ANY OMISSIONS OR CLASHES IN THIS TIME TABLE MAY PLEASE BE INFORMED TO THE CONTROLLER OF EXAMINATIONS, IMMEDIATELY.
- (ii) EVEN IF GOVERNMENT DECLARES HOLIDAY ON ANY OF THE ABOVE DATES, THE EXAMINATIONS SHALL BE CONDUCTED AS USUAL.
- (iii) THE PRINCIPALS ARE REQUESTED TO INFORM THE UNIVERSITY ANY OTHER SUBSTITUTE SUBJECTS THAT ARE NOT INCLUDED IN THE ABOVE LIST IMMEDIATELY.

**Date: 04-05-2024**

*H. R. K. K. K.*  
**Controller of Examinations (UG)**

**ACADEMIC REGULATIONS (R20)**  
**COURSE STRUCTURE & DETAILED SYLLABUS**

For

**B. Tech FOUR YEAR DEGREE COURSE**  
**(Applicable for the batches admitted from 2020-21)**



**JAWAHARLAL NEHRU TECHNOLOGICAL UNIVERSITY KAKINADA**  
**KAKINADA – 533003, ANDHRA PRADESH, INDIA**

## **ACADEMIC REGULATIONS (R20) FOR B. TECH. (REGULAR)**

**Applicable for students of B. Tech. (Regular) from Academic Year 2020-21 onwards**

Jawaharlal Nehru Technological University Kakinada (JNTUK) 2020 Regulations (R20 Regulations) applicable to all affiliated colleges are given hereunder. These regulations govern the B. Tech programmes offered by all affiliated colleges with effect from the students admitted to the programmes in academic year 2020-21.

### **1. Courses of study:**

The following courses of study are offered at present as specializations for the B. Tech. Courses in the jurisdiction of all affiliated colleges of JNTUK.

<b>S. No</b>	<b>Branch Name</b>	<b>Branch Code</b>
1	Civil Engineering	01
2	Electrical & Electronics Engineering	02
3	Mechanical Engineering	03
4	Electronics and Communication Engineering	04
5	Computer Science Engineering	05
6	Computer Science & Technology	06
7	Computer Science & Information Technology	07
8	Chemical Engineering	08
9	Electronics and Instrumentation Engineering	10
10	Bio- Medical Engineering	11
11	Information Technology	12
12	Electronics and Control Engineering	13
13	Electronics & Communication Technology	14
14	Computer Science and Systems Engineering	15
15	Electronics and Computer Engineering	19
16	Aeronautical Engineering	21
17	Instrumentation and Control Engineering	22
18	Bio- Technology	23
19	Automobile Engineering	24
20	Mining Engineering	26
21	Petroleum Technology / Petroleum Engineering	27
22	Petrochemical Engineering	28
23	Aviation Engineering	29
24	Aircraft Maintenance Engineering	30
25	Metallurgical Engineering	31
26	Power Engineering	34
27	Agriculture Engineering	35
28	Textile Engineering	36
29	Architecture (B.Arch)	40
30	B. Pharmacy	00
31	CSE (Artificial Intelligence and Machine Learning)	42
32	CSE( Artificial Intelligence)	43
33	CSE( Data Science)	44
34	CSE (Artificial Intelligence and Data Science)	45
35	CSE ( Cyber Security)	46
36	CSE ( Internet of things and Cyber security including Block chain Technology)	47

37	CSE (Computer Science and Business System)	48
38	CSE( Internet of Things)	49
39	ECE ( Electronics & Communication Technology)	50
40	Food Engineering	51
41	ECE ( Internet of Things)	52
42	ME ( Robotics)	53
43	Artificial Intelligence and Data Science	54
44	Pharmaceutical Engineering	55
45	Aerospace Engineering	56
46	Computer Science and Business System	57
47	CSE (Big Data Analytics)	58
48	Cyber Security	59
49	Internet of Thing	60
50	Artificial Intelligence and Machine Learning	61
51	Computer Science and Design	62

**2. Medium of Instruction:** The medium of instruction of the entire B. Tech undergraduate programme in Engineering & Technology (including examinations and project reports) will be in **English** only.

**3. Admissions:** Admission to the B. Tech Programme shall be made subject to the eligibility, qualifications and specialization prescribed by the A.P. State Government/University from time to time. Admissions shall be made either on the basis of the merit rank obtained by the student in the common entrance examination conducted by the A.P. Government/University or on the basis of any other order of merit approved by the A.P. Government/University, subject to reservations as prescribed by the Government/University from time to time.

**4. Programme Pattern:**

- a) Total duration of the of B. Tech (Regular) Programme is four academic years
- b) Each Academic year of study is divided in to **two semesters**.
- c) Minimum number of instruction days in each semester is 90.
- d) Grade points, based on percentage of marks awarded for each course will form the basis for calculation of SGPA (Semester Grade Point Average) and CGPA (Cumulative Grade Point Average).
- e) The total credits for the Programme are 160.
- f) A three-week induction program is mandatory for all first year UG students and shall be conducted as per AICTE/UGC/APSCHE guidelines.
- g) Student is introduced to “Choice Based Credit System (CBCS)”.
- h) A pool of interdisciplinary and job-oriented mandatory skill courses which are relevant to the industry are integrated into the curriculum of concerned branch of engineering (total five skill courses: two basic level skill courses, one on soft skills and other two on advanced level skill courses)
- i) A student has to register for all courses in a semester.
- j) All the registered credits will be considered for the calculation of final CGPA.
- k) Each semester has - ‘Continuous Internal Evaluation (CIE)’ and ‘Semester End Examination (SEE)’. Choice Based Credit System (CBCS) and Credit Based Semester System (CBSS) as indicated by UGC and course structure as suggested by AICTE are followed.
- l) A 10 months industry/field mandatory internship, both industry and social, during the summer vacation and also in the final semester to acquire the skills required for job and make engineering graduates to connect with the needs of the industry and society at large.
- m) All students shall be mandatorily registered for NCC/NSS activities.
- n) Each college shall assign a faculty advisor/mentor after admission to each student or group of students from same department to provide guidance in courses registration/career growth/placements/opportunities for higher studies/GATE/other competitive exams etc.

5. **Subject/Course Classification:** All subjects/courses offered for the undergraduate programme in E & T (B. Tech degree programmes) are broadly classified as follows.

S. No	Category	Code	APSCHE breakup of Credits	AICTE Credits of breakup
1	Humanities and social science including Management courses	HSMC	10.5	12
2	Basic Science courses	BSC	21	25
3	Engineering courses science	ESC	24	24
4	Professional core Courses	PCC	51	48
5	Open Elective Courses	OEC	12	18
6	Professional Courses Elective	PEC	15	18
7	Internship, seminar, project work	PROJ	16.5	15
8	Skill Oriented Courses	SC	10	-
9	Laboratory Courses	LC	-	-
10	Mandatory courses	MC	Non-credit	Non-credit
<b>Total Credits</b>			160	160

6. **Registration for Courses:**

- i) The college shall invite registration forms from the students at the beginning of the semester for the registration for courses each semester. The registration process shall be closed within one week. If any student wishes to withdraw the registration, he/she shall submit a letter to the principal through the class teacher/instructor and HOD. The principal shall communicate the registration and withdraw details courses of each student in a consolidated form to the college examination section and University without fail.
- ii) There are four open electives in each branch. All Open Electives are offered to students of all branches in general. A student shall choose an open elective, by consulting the HOD/advisor, from the list in such a manner that he/she has not studied the same course in any form during the Programme.
- iii) A student shall be permitted to pursue up to a maximum of two elective courses under MOOCs during the programme. Students are advised to register for only for minimum 12 weeks in duration MOOCs courses. Student has to pursue and acquire a certificate for a MOOC course only from the SWAY/NPTE through online with the approval of Head of the Department in order to earn the 3 credits. The Head of the department shall notify the list of such courses at the beginning of the semester. The details of the MOOCs courses registered by the students shall be submitted to the University examination center as well as college examination center. The Head of the Department shall appoint a mentor for each of the MOOC subjects registered by the students to monitor the student's assignment submissions given by SWAYAM/NPTEL. The student needs to submit all the assignments given and needs to take final exam at the proctor center. The student needs to earn a certificate by passing the exam. The student will be awarded the credits given in curriculum only by submission of the certificate. In case if student does not pass subjects registered through SWAYAM/NPTEL, the same or alternative equivalent subject may be registered again through SWAYAM/NPTEL in the next semester with the recommendation of HOD and shall be passed.
- iv) Two summer internships each with a minimum of six weeks duration shall be mandatorily done/completed respectively at the end of second and third years (during summer vacations). The internship can be done by the students at local industries, Govt. Organizations, construction agencies, Industries, Hydel and thermal power projects and also in software MNCs. After completing the summer internship, the students shall register in the immediate respective odd semester and it will be evaluated at the end of the semester as per norms of the university. The student has to produce the summer internship satisfactory report and certificate taken from the organization to be considered for evaluation. The College shall facilitate and monitor the student internship programs. Completion of internships is mandatory, if any student fails to complete internship, he/she will not be eligible for the award of degree. In such cases, the student shall repeat and complete the internship.



- v) In the final semester, the student should mandatorily register and undergo internship and in parallel he/she should work on a project with well-defined objectives. At the end of the semester the candidates shall submit an internship completion certificate and a project report. A student shall also be permitted to submit project report on the work carried out during the internship. The project report shall be evaluated with an external examiner.
- vi) Curricular Framework for Skill oriented courses
  - a) There are five (05) skill-oriented courses shall be offered during III to VII semesters and students must register and pass the courses successfully.
  - b) For skill oriented/skill advanced course, one theory and 2 practical hours (1-0-2) or two theory hours (2-0-0) may be allotted as per the decision of concerned BOS.
  - c) Out of the five skill courses; (i) two shall be skill-oriented courses from the same domain and shall be completed in second year (ii) Of the remaining 3 skill courses, one shall be necessarily be a soft skill course and the remaining 2 shall be skill-advanced courses either from the same domain or job-oriented skill courses, which can be of inter disciplinary nature.
  - d) Students may register the interdisciplinary job-oriented skill courses based on the prerequisites and eligibility in consultation with HOD of the college.
  - e) The student shall be given an option to choose either the skill courses being offered by the college or to choose a certificate course being offered by industries/Professional bodies/APSSDC or any other accredited bodies. However, the department has to assign mentors in the college to monitor the performance of the students.
  - f) If a student chooses to take a Certificate Course offered by industries/Professional bodies/APSSDC or any other accredited bodies, in lieu of the skill advanced course offered by the Department, then the department shall mark overall attendance of the student for the remaining courses in that semester excluding the skill course in all the calculations of mandatory attendance requirements upon producing a valid certificate. However, the student is deemed to have fulfilled the attendance requirement of the course, if the external agency issues a certificate with satisfactory condition. If the certificate issued by external agency is marked with unsatisfactory condition, then the student shall repeat the course either in the college or at external agency. The credits will be awarded to the student upon producing the successful Course Completion Certificate from the agency/professional bodies and after passing in the viva-voce examination conducted at college as per university norms at the end of the semester.

7. (a) **Award of B. Tech. Degree:** A student will be declared eligible for the award of B. Tech. Degree if he fulfills the following academic regulations:
- i) A student shall be declared eligible for award of the B. Tech Degree, if he pursues a course of study in not less than four and not more than eight academic years.
  - ii) After eight academic years from the year of their admission, he/she shall **forfeit** their seat in B.Tech course and their admission stands cancelled.
  - iii) The student shall register for 160 credits and must secure all the 160 credits.
  - iv) All students shall register for NCC/NSS activities and will be required to participate in an activity specified by NSS officer during second and third semesters. Grade shall be awarded as Satisfactory or Unsatisfactory in the mark sheet on the basis of participation, attendance, performance and behavior. If a student gets an unsatisfactory Grade, he/she shall repeat the above activity in the subsequent years, in order to complete the degree requirements.
  - v) Courses like Environmental Sciences, Universal Human Values, Ethics, Indian Constitution, Essence of Indian Traditional Knowledge etc., shall be included in the curriculum as non-credit mandatory courses. Environmental Sciences is to be offered compulsorily as mandatory course for all branches. A student has to secure 40% of the marks allotted in the internal evaluation for passing the course. No marks or letter grade shall be allotted for all mandatory non-credit courses.
  - vi) Credit Definition:

1 Hour Lecture (L) per week	1 Credit
1 Hour Tutorial (T) per week	1 Credit
1 Hour Practical (P) per week	0.5 Credit
2 Hours Practical (Lab) per week	1 Credit

- (b) **Award of B. Tech. (Honor)/B. Tech. (Minor):** B. Tech. with Honors or a B. Tech. with a Minor will be awarded if the student earns 20 additional credits are acquired as per the regulations/guidelines. The regulations/guidelines are separately provided. Registering for Honors/Minor is optional.

### 8. Attendance Requirements

- a. A student is eligible to write the University examinations if he acquires a minimum of 40% in each subject and 75% of attendance in aggregate of all the subjects.
- b. Condonation of shortage of attendance in aggregate up to 10% (65% and above and below 75%) may be granted by the College Academic Committee. However, this condonation concession is applicable only to any two semesters during the entire programme.
- c. Shortage of Attendance below 65% in aggregate shall not be condoned.
- d. A student who is short of attendance in a semester may seek re-admission into that semester when offered within 4 weeks from the date of commencement of class work.
- e. Students whose shortage of attendance is not condoned in any semester are not eligible to write their end semester examination of that class.
- f. A stipulated fee of Rs. 500/- in the concerned semester shall be payable towards condonation of shortage of attendance. Students availing condonation on medical ground shall produce a medical certificate issued by the competitive authority.
- g. A student will be promoted to the next semester if he satisfies the (i) attendance requirement of the present semester and (ii) minimum required credits.
- h. If any candidate fulfills the attendance requirement in the present semester, he shall not be eligible for re-admission into the same class.
- i. For induction programme attendance shall be maintained as per AICTE norms.
- j. For non-credit mandatory courses the students shall maintain the attendance similar to credit courses

### 9. Evaluation-Distribution and Weightage of marks

- (i) Paper setting and evaluation of the answer scripts shall be done as per the procedures laid down by the University Examination section from time to time.
- (ii) For non-credit mandatory courses, like Environmental Sciences, Universal Human Values, Ethics, Indian Constitution, Essence of Indian Traditional Knowledge, the student has to secure 40% of the marks allotted in the internal evaluation for passing the course. No marks or letter grade shall be allotted for all mandatory non-credit courses.
- (iii) A student is deemed to have satisfied the minimum academic requirements if he has earned the credits allotted to each theory/practical design/drawing subject/ project etc by securing not less than 35% of marks in the end semester exam and minimum 40% of marks in the sum total of the internal marks and end semester examination marks together.
- (iv) Distribution and Weightage of marks:

The assessment of the student's performance in each course will be based on Continuous Internal Evaluation (CIE) and Semester-End Examination (SEE). The performance of a student in each semester shall be evaluated subject-wise with a maximum of 100 marks for theory subject and 50 marks for practical subject. For theory subjects the distribution shall be 30 marks for Internal Evaluation and 70 marks for the End Examinations.

S. No	Components	Internal	External	Total
1	Theory	30	70	100
2	Engineering Graphics/Design/Drawing	30	70	100
3	Practical	15	35	50
4	Mini Project/Internship/Industrial Training/ Skill Development programmes/Research Project	-	50	50
5	Project Work	60	140	200

#### (v) Continuous Internal Theory Evaluation:

- (a) For theory subjects, during a semester, there shall be two mid-term examinations. Each mid-term examination consists of (i) one online objective examination (ii) one descriptive examination and (iii) one assignment. The online examination (objective) shall be 10 marks and descriptive examination shall be for 15 marks with a total duration of 1 hour 50 minutes (20 minutes for objective and 90 minutes for descriptive paper).

- (b) The first online examination (objective) is set with 20 multiple choice questions for 10 marks (20 questions x ½ marks) from first two and half units (50% of the syllabus) and it is conducted by **University Examination Section**. The descriptive examination is set with 3 full questions for 5 marks each from first two and half units (50% of the syllabus), the student has to answer all questions. In the similar lines, the second online and descriptive examinations shall be conducted on the rest of the syllabus.
- (c) The assignment is given by the concerned class teacher for five marks from first two and half units (50% of the syllabus). The second assignment shall be given from rest of the syllabus. The first assignment should be submitted before the conduct of the first mid-term examination, and the second assignment should be submitted before the conduct of the second mid-term examination.
- (d) The total marks secured by the student in each mid-term examination are evaluated for 30 marks. The first mid marks (Mid-1) consisting of marks of online objective examination, descriptive examination and assignment shall be submitted to the University examination section within one week after completion of first mid examination.
- (e) The mid marks submitted to the University examination section shall be displayed in the concerned college notice boards for the benefit of the students.
- (f) If any discrepancy found in the submitted Mid-1 marks, it shall be brought to the notice of university examination section within one week from the submission.
- (g) Second mid marks (Mid-2) consisting of marks of online objective examination, descriptive examination and assignment shall also be submitted to University examination section within one week after completion of second mid examination and it shall be displayed in the notice boards. If any discrepancy found in the submitted mid-2 marks, it shall be brought to the notice of university examination section within one week from the submission.
- (h) Internal marks can be calculated with 80% weightage for better of the two mid exams and 20% Weightage for another mid exam.

**Example:**

**Mid-1 marks** = Marks secured in (online examination-1+descriptive examination-1  
+one assignment-1)

**Mid-2 marks** = Marks secured in (online examination-2+descriptive examination-2  
+one assignment-2)

**Final internal Marks** = (Best of (Mid-1/Mid-2) marks x 0.8  
+ Least of (Mid-1/Mid-2) marks x 0.2)

- (i) With the above criteria, university examination section will send mid marks of all subjects in consolidated form to all the concerned colleges and same shall be displayed in the concerned college notice boards. If any discrepancy found, it shall be brought to the notice of university examination section through proper channel within one week with all proofs. Discrepancies brought after the given deadline will not be entertained under any circumstances.
- (vi) Semester End Theory Examinations Evaluation:**
- (a) The semester end examinations will be conducted university examination section for 70 marks consists of five questions carrying 14 marks each. Each of these questions is from one unit and may contain sub-questions. For each question there will be an “either” “or” choice, which means that there will be two questions from each unit and the student should answer either of the two questions.
  - (b) For practical subjects there shall be continuous evaluation during the semester for 15 internal marks and 35 end examination marks. The internal 15 marks shall be awarded as follows: day to day work - 5 marks, Record-5 marks and the remaining 5 marks to be awarded by conducting an internal laboratory test. The end examination shall be conducted by the teacher concerned and external examiner appointed by controller of examinations, JNTUK.  
**Note:** Laboratory marks and the internal marks awarded by the College are not final. The marks are subject to scrutiny and scaling by the University wherever felt desirable. The internal and laboratory marks awarded by the College will be referred to a Committee. The Committee shall arrive at a scaling factor and the marks will be scaled as per the scaling factor. The recommendations of the Committee are final and binding. All the laboratory records and internal test papers shall be preserved in respective departments as per University norms and shall be produced to the Committees of University as and when they ask for.
  - (c) For the subject having design and / or drawing (such as Engineering Graphics, Engineering Drawing, Machine Drawing) and estimation, the distribution shall be 30 marks for internal evaluation (15 marks for continuous Assessment (day-to-day work) and 15 marks for internal tests) and 70 marks for end examination. There shall be two internal tests in a Semester for 15 marks each and final marks can be calculated with 80% weightage for better of the two tests and 20% weightage for other test and these are to be added to the marks obtained in day-to-day work.

- (d) Evaluation of the summer internships: It shall be completed in collaboration with local industries, Govt. Organizations, construction agencies, Industries, Hydel and thermal power projects and also in software MNCs in the area of concerned specialization of the UG programme. Students shall pursue this internship during summer vacation just before its offering as per course structure. The minimum duration of this course shall be at least 6 weeks. The student shall register for the internship as per course structure after commencement of academic year. A supervisor/mentor/advisor has to be allotted to guide the students for taking up the summer internship. The supervisor shall monitor the attendance of the students while taking up the internship. Attendance requirements are as per the norms of the University. After successful completion, students shall submit a summer internship technical report to the concerned department and appear for an oral presentation before the departmental committee consists of an external examiner appointed by the University; Head of the Department, supervisor of the internship and a senior faculty member of the department. A certificate from industry/skill development center shall be included in the report. The report and the oral presentation shall carry 40% and 60% weightages respectively. It shall be evaluated for 50 external marks at the end of the semester. There shall be no internal marks for Summer Internship. A student shall secure minimum 40% of marks for successful completion. In case, if a student fails, he/she shall reappear as and when semester supplementary examinations are conducted by the University.
- (e) The job-oriented skill courses may be registered at the college or at any accredited external agency. A student shall submit a record/report on the on the list skills learned. If the student completes job-oriented skill course at external agency, a certificate from the agency shall be included in the report. The course will be evaluated at the end of the semester for 50 marks (record: 15 marks and viva-voce: 35 marks) along with laboratory end examinations in the presence of external (appointed by the university) and internal examiner (course instructor or mentor). There are no internal marks for the job-oriented skill courses.
- (f) Mandatory Course (M.C): Environmental Sciences, Universal Human Values, Ethics, Indian Constitution, Essence of Indian Traditional Knowledge etc non-credit (zero credits) mandatory courses. Environmental Sciences shall be offered compulsorily as mandatory course for all branches. A minimum of 75% attendance is mandatory in these subjects. There shall be an external examination for 70 marks and it shall be conducted by the college internally. Two internal examinations shall be conducted for 30 marks and a student has to secure at least 40% of the marks for passing the course. There is no online internal exam for mandatory courses. No marks or letter grade shall be printed in the transcripts for all mandatory non-credit courses, but only Completed (Y)/Not-completed (N) will be specified.
- (g) **Procedure for Conduct and Evaluation of MOOC:** There shall be a Discipline Centric Elective Course through Massive Open Online Course (MOOC) as Program Elective course. The student shall register for the course (Minimum of 12 weeks) offered by SWAYAM/NPTEL through online with the approval of Head of the Department. The Head of the Department shall appoint one mentor for each of the MOOC subjects offered. The student needs to register the course in the SWAYAM/NPTEL portal. During the course, the mentor monitors the student's assignment submissions given by SWAYAM/NPTEL. The student needs to submit all the assignments given and needs to take final exam at the proctor center. The student needs to earn a certificate by passing the exam. The student will be awarded the credits given in curriculum only by submission of the certificate. In case if student does not pass subjects registered through SWAYAM/NPTEL, the same or alternative equivalent subject may be registered again through SWAYAM/NPTEL in the next semester with the recommendation of HOD and shall be passed.
- (h) *Major Project* (Project - Project work, seminar and internship in industry):  
 In the final semester, the student should mandatorily register and undergo internship and in parallel he/she should work on a project with well-defined objectives. At the end of the semester the candidate shall submit an internship completion certificate and a project report. A student shall also be permitted to submit project report on the work carried out during the internship. The project report shall be evaluated with an external examiner.  
*Evaluation:* The total marks for project work 200 marks and distribution shall be 60 marks for internal and 140 marks for external evaluation. The supervisor assesses the student for 30 marks (Report: 15 marks, Seminar: 15 marks). At the end of the semester, all projects shall be showcased at the department for the benefit of all students and staff and the same is to be evaluated by the departmental Project Review Committee consisting of supervisor, a senior faculty and HOD for 30 marks. The external evaluation of Project Work is a Viva-Voce Examination conducted in the presence of internal examiner and external examiner appointed by the University and is evaluated for 140 marks.

### 10. Integrated theory lab:

- a. The integrated course is in the ratio of 2:1 (total credit: 3).
- b. Attendance shall be counted for both in theory as well as lab (75:25 ratio). Minimum attendances shall be required individually in theory and lab as per university norms
- c. Student has to attend the internal examination and external examination conducted by the college and University as per the regulations.
- d. Student has to pass individually both the external examinations (Theory for 100 marks and Lab for 50 marks) conducted by the University as per the regulations.
- e. If the student fails in either theory or laboratory, the final result is FAIL only.
- f. The student has to pass separately both in the external theory examination and external lab examination as per the University regulations.

11. Recounting of Marks in the End Semester Examination: A student can request for recounting of his/her answer book on payment of a prescribed fee as per university norms.

12. Re-evaluation or Revaluation by Challenge of the End Semester Examination: A student can request for Revaluation or Revaluation by Challenge of his/her answer book on payment of a prescribed fee as per university norms.

13. Supplementary Examinations: A student who has failed to secure the required credits can appear for a supplementary examination, as per the schedule announced by the University.

14. Malpractices in Examinations: Disciplinary action shall be taken in case of malpractices during Mid/End examinations as per the rules framed by the University.

### 15. Promotion Rules

The following academic requirements have to be satisfied in addition to the attendance requirements mentioned in item no.8 for promotion to higher classes

- a. A student shall be promoted from first year to second year if he fulfills the minimum attendance requirement as per University norm.
- b. A student will be promoted from II to III year if he fulfills the academic requirement of 40% of credits up to either II year I-Semester or II year II-Semester from all the examinations, whether or not the candidate takes the examinations and secures prescribed minimum attendance in II year II semester.
- c. A student shall be promoted from III year to IV year if he fulfills the academic requirements of 40% of the credits up to either III year I semester or III year II semester from all the examinations, whether or not the candidate takes the examinations and secures prescribed minimum attendance in III year II semester.

### 16. Course Pattern

- a. The entire course of study is for four academic years; all years are on semester pattern.
- b. A student eligible to appear for the end semester examination in a subject, but absent from it or has failed in the end semester examination, may write the exam in that subject when conducted next.
- c. When a student is detained for lack of credits/shortage of attendance, he may be re-admitted into the same semester/year in which he has been detained. However, the academic regulations under which he was first admitted shall continue to be applicable to him.

### 17. Earning of Credit:

A student shall be considered to have completed a course successfully and earned the credits if he/she secures an acceptable letter grade in the range A+ to E as given below. Letter grade 'F' in any course implies failure of the student in that course and no credits earned. Absent is also treated as no credits earned. For project same % percentages will be followed for grading.

Marks Range Theory (Max – 100)	Marks Range Lab (Max – 50)	Level	Letter Grade	GradePoint
≥ 90	≥ 45	Outstanding	A+	10
≥80 to <90	≥40 to <45	Excellent	A	9
≥70 to <80	≥35 to <40	Very Good	B	8
≥60 to <70	≥30 to <35	Good	C	7
≥50 to <60	≥25 to <30	Fair	D	6
≥40 to <50	≥20 to <25	Satisfactory	E	5
<40	<20	Fail	F	0
-	-	Absent	AB	0

### 18. Computation of SGPA and CGPA

The UGC recommends the following procedure to compute the Semester Grade Point Average (SGPA) and Cumulative Grade Point Average (CGPA):

- (i) **SGPA**( $S_k$ ) of  $k^{\text{th}}$  semester (1 to 8) is ratio of sum of the product of the number of credits with the grade points scored by a student in all the courses taken by a student and the sum of the total number of credits of all the courses undergone/registered by a student, i.e

$$SGPA(S_k) = \frac{\sum_{i=1}^n (C_i \times G_i)}{\sum_{i=1}^n C_i}$$

Where  $C_i$  is the number of credits of the  $i^{\text{th}}$  course/subject in a semester and  $G_i$  is the grade point scored by the student in the  $i^{\text{th}}$  course/subject and  $n$  is the number of courses/subjects registered in that semester.

- (ii) **CGPA**: The CGPA is calculated in the same manner taking into account all the „ $m$ ’ courses/subjects registered by student over all the semesters of a Programme i.e., in all eight semesters

$$CGPA = \frac{\sum_{i=1}^m (C_i \times S_i)}{\sum_{i=1}^m C_i}$$

Where  $S_i$  is SGPA of the  $i^{\text{th}}$  semester and  $C_i$  is total number of credits in that semester.

- (iii) SGPA and CGPA shall be rounded off to 2 decimal points and reported in transcripts.

- (iv) As per AICTE regulations, conversion of CGPA into equivalent percentage as follows:

$$\text{Equivalent Percentage} = (\text{CGPA} - 0.75) \times 10$$

- (v) Illustration of Computation of SGPA and CGPA

**Illustration for SGPA:** Let us assume there are 6 subjects in a semester. The grades obtained as follows:

Course	Credit	Grade Obtained	Grade point	$S_i = \text{Credit Point} (\text{Credit} \times \text{Grade})$
Subject 1	3	B	8	3 X 8 = 24
Subject 2	4	C	7	4 X 7 = 28
Subject 3	3	D	6	3 X 6 = 18
Subject 4	3	A+	10	3 X 10 = 30
Subject 5	3	E	5	3 X 5 = 15
Subject 6	4	D	6	4 X 6 = 24
	20			139

Thus,  $SGPA = 139/20 = 6.95 = 6.9$  (approx.)

**Illustration for CGPA:**

Semester 1	Semester 2	Semester 3	Semester 4
Credits: 20 SGPA: 6.9	Credits: 22 SGPA: 7.8	Credits: 25 SGPA: 5.6	Credits: 26 SGPA: 6.0
Semester 5	Semester 6	Semester 7	Semester 8
Credits: 26 SGPA: 6.3	Credits: 25 SGPA: 8.0	Credits: 21 SGPA: 6.4	Credits: 23 SGPA: 7.5

Thus,

$$CGPA = \frac{20 \times 6.9 + 22 \times 7.8 + 25 \times 5.6 + 26 \times 6.0 + 26 \times 6.3 + 25 \times 8.0 + 21 \times 6.4 + 23 \times 7.5}{188} = \frac{1276.3}{188} = 6.78$$

### 19. Award of Class

After a student has satisfied the requirements prescribed for the completion of the program and is eligible for the award of B. Tech. Degree, he shall be placed in one of the following four classes:

Class Awarded	CGPA to be secured	Remarks
First Class with Distinction	$\geq 7.75$ (Without any supplementary appearance)	From the CGPA secured from 160 Credits
First Class	$\geq 6.75$	
Second Class	$\geq 5.75$ to $< 6.75$	
Pass Class	$\geq 5.00$ to $< 5.75$	

### 20. Minimum Instruction Days

The minimum instruction days for each semester shall be 90 working days. There shall be no branch transfers after the completion of the admission process. There shall be no transfer from one college/stream to another within the Constituent Colleges and Units of Jawaharlal Nehru Technological University Kakinada.

### 21. Withholding of Results

If the student is involved in indiscipline/malpractices/court cases, the result of the student will be withheld.

### 22. Transitory Regulations

- (a) Discontinued or detained candidates are eligible for re-admission as and when next offered.
- (b) The re-admitted candidate will be governed by the rules & regulations under which the candidate has been admitted.
- (c) (i) In case of transferred students from other Universities, credits shall be transferred to JNTUK as per the academic regulations and course structure of JNTUK.  
(ii) The students seeking transfer to colleges affiliated to JNTUK from various other Universities / Institutions have to obtain the credits of any equivalent subjects as prescribed by JNTUK. In addition, the transferred candidates have to pass the failed subjects at the earlier Institute with already obtained internal/sessional marks to be conducted by JNTUK.

### 23. Gap - Year

Gap Year concept of Student Entrepreneur in Residence shall be introduced and outstanding students who wish to pursue entrepreneurship are allowed to take a break of one year at any time after I/II/III year to pursue entrepreneurship full time. This period shall be counted for the maximum time for graduation. An evaluation committee at university level shall be constituted to evaluate the proposal submitted by the student and the committee shall decide on permitting the student for availing the Gap Year.

### 24. General

- (a) Wherever the words "he", "him", "his", occur in the regulations, they include "she", "her", "hers".
- (b) The academic regulation should be read as a whole for the purpose of any interpretation.
- (c) In case of any doubt or ambiguity in the interpretation of the above rules, the decision of the Vice-Chancellor is final.
- (d) The University may change or amend the academic regulations or syllabi at any time and the changes or amendments made shall be applicable to all the students with effect from the dates notified by the University.

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## **ACADEMIC REGULATIONS (R20) FOR B. TECH(LATERAL ENTRY SCHEME)**

Applicable for students admitted into II B. Tech. from the Academic Year 2020-21 onwards

### **1 Award of B. Tech. Degree**

A student will be declared eligible for the award of B. Tech. Degree if he fulfills the following academic regulations:

- a) A student shall be declared eligible for the award of the B. Tech Degree, if he pursues a course of study in not less than three academic years and not more than six academic years. After six academic years from the year of their admission, he/she shall **forfeit** their seat in B. Tech course and their admission stands cancelled.
  - b) The candidate shall register for 121 credits and secure all the 121 credits.
2. The attendance regulations of B. Tech. (Regular) shall be applicable to B.Tech(lateral entry).

### **3. Promotion Rule**

A student shall be promoted from second year to third year if he fulfills the minimum attendance requirement.

A student shall be promoted from III year to IV year if he fulfills the academic requirements of 40% of the credits up to either III year I semester or III year II semester from all the examinations, whether or not the candidate takes the examinations and secures prescribed minimum attendance in III year II semester.

### **4. Award of Class**

After a student has satisfied the requirement prescribed for the completion of the program and is eligible for the award of B. Tech. Degree, he shall be placed in one of the following four classes:

<b>Class Awarded</b>	<b>CGPA to be secured</b>	<b>Remarks</b>
First Class with Distinction	$\geq 7.75$ (Without any supplementary appearance)	From the CGPA secured from 121 Credits from II Year to IV Year
First Class	$\geq 6.75$	
Second Class	$\geq 5.75$ to $< 6.75$	
Pass Class	$\geq 5.00$ to $< 5.75$	

The Grades secured, Grade points and Credits obtained will be shown separately in the memorandum of marks.

5. All the other regulations as applicable to **B. Tech. 4-year degree course (Regular)** will hold good for **B. Tech. (Lateral Entry Scheme)**.



# COMMUNITY SERVICE PROJECT

## *Introduction*

1. Community Service Project is an experiential learning strategy that integrates meaningful community service with instruction, participation, learning and community development
2. Community Service Project involves students in community development and service activities and applies the experience to personal and academic development.
3. Community Service Project is meant to link the community with the college for mutual benefit. The community will be benefited with the focused contribution of the collegestudents for the village/ local development. The college finds an opportunity to develop social sensibility andresponsibility among students and also emerge as a socially responsibleinstitution.

## *Objective*

Community Service Project should be an integral part of the curriculum, as an alternative to the 2 months of Summer Internships / Apprenticeships / On the Job Training, whenever there is an exigency when students cannot pursue their summer internships. The specific objectives are;

1. To sensitize the students to the living conditions of the people who are around them,
2. To help students to realize the stark realities of the society.
3. To bring about an attitudinal change in the students and help them to develop societal consciousness, sensibility, responsibility and accountability
4. To make students aware of their inner strength and help them to find new /out of box solutions to the social problems.
5. To make students socially responsible citizens who are sensitive to the needs of the disadvantaged sections.
6. To help students to initiate developmental activities in the community in coordination with public and government authorities.
7. To develop a holistic life perspective among the students by making them study culture, traditions, habits, lifestyles, resource utilization, wastages and its management, social problems, public administration system and the roles and responsibilities of different persons across different social systems.

## *Implementation of Community Service Project*

1. Every student should put in a minimum of **180 hours** for the Community Service Project during the summer vacation.
2. Each class/section should be assigned with a mentor.
3. Specific Departments could concentrate on their major areas of concern. For example, Dept.of Computer Science can take up activities related to Computer Literacy to different sections of people like - youth, women, house-wives, etc
4. A log book has to be maintained by each of the student, where the activities undertaken/involved to be recorded.
5. The log book has to be countersigned by the concerned mentor/faculty in charge.
6. Evaluation to be done based on the active participation of the student and grade could be awarded by the mentor/faculty member.
7. The final evaluation to be reflected in the grade memo of the student.
8. The Community Service Project should be different from the regular programmes ofNSS/NCC/Green Corps/Red Ribbon Club, etc.
9. Minor project report should be submitted by each student. An internal Viva shall also be conducted by a committee constituted by the principal of the college.
10. Award of marks shall be made as per the guidelines of Internship/apprentice/ on the job training

### ***Procedure***

1. A group of students or even a single student could be assigned for a particular habitation or village or municipal ward, as far as possible, in the near vicinity of their place of stay, so as to enable them to commute from their residence and return back by evening or so.
2. The Community Service Project is a twofold one –
  - a) First, the student/s could conduct a survey of the habitation, if necessary, in terms of their own domain or subject area. Or it can even be a general survey, incorporating all the different areas. A common survey format could be designed. This should not be viewed as a duplication of work by the Village or Ward volunteers, rather, it could be another primary source of data.
  - b) Secondly, the student/s could take up a social activity, concerning their domain or subject area. The different areas, could be like –
    - Agriculture
    - Health
    - Marketing and Cooperation
    - Animal Husbandry
    - Horticulture
    - Fisheries
    - Sericulture
    - Revenue and Survey
    - Natural Disaster Management
    - Irrigation
    - Law & Order
    - Excise and Prohibition
    - Mines and Geology
    - Energy
    - Internet
    - Free Electricity
    - Drinking Water

### ***EXPECTED OUTCOMES***

#### **BENEFITS OF COMMUNITY SERVICE PROJECT TO STUDENTS**

##### ***Learning Outcomes***

1. Positive impact on students' academic learning
2. Improves students' ability to apply what they have learned in "the real world"
3. Positive impact on academic outcomes such as demonstrated complexity of understanding, problem analysis, problem-solving, critical thinking, and cognitive development
4. Improved ability to understand complexity and ambiguity

##### ***Personal Outcomes***

1. Greater sense of personal efficacy, personal identity, spiritual growth, and moral development
2. Greater interpersonal development, particularly the ability to work well with others, and build leadership and communication skills

##### ***Social Outcomes***

1. Reduced stereotypes and greater inter-cultural understanding
2. Improved social responsibility and citizenship skills
3. Greater involvement in community service after graduation

##### ***Career Development***

1. Connections with professionals and community members for learning and career opportunities
2. Greater academic learning, leadership skills, and personal efficacy can lead to greater opportunity

### ***Relationship with the Institution***

1. Stronger relationships with faculty
2. Greater satisfaction with college
3. Improved graduation rates

### ***BENEFITS OF COMMUNITY SERVICE PROJECT TO FACULTY MEMBERS***

1. Satisfaction with the quality of student learning
2. New avenues for research and publication via new relationships between faculty and community
3. Providing networking opportunities with engaged faculty in other disciplines or institutions
4. A stronger commitment to one's research

### ***BENEFITS OF COMMUNITY SERVICE PROJECT TO COLLEGES AND UNIVERSITIES***

1. Improved institutional commitment
2. Improved student retention
3. Enhanced community relations

### ***BENEFITS OF COMMUNITY SERVICE PROJECT TO COMMUNITY***

1. Satisfaction with student participation
2. Valuable human resources needed to achieve community goals
3. New energy, enthusiasm and perspectives applied to community work
4. Enhanced community-university relations.

### ***SUGGESTIVE LIST OF PROGRAMMES UNDER COMMUNITY SERVICE PROJECT***

The following is the recommended list of projects for Engineering students. The lists are not exhaustive and open for additions, deletions and modifications. Colleges are expected to focus on specific local issues for this kind of projects. The students are expected to carry out these projects with involvement, commitment, responsibility and accountability. The mentors of a group of students should take the responsibility of motivating, facilitating, and guiding the students. They have to interact with local leadership and people and appraise the objectives and benefits of this kind of projects. The project reports shall be placed in the college website for reference. Systematic, Factual, methodical and honest reporting shall be ensured.

### ***For Engineering Students***

1. Water facilities and drinking water availability
2. Health and hygiene
3. Stress levels and coping mechanisms
4. Health intervention programmes
5. Horticulture
6. Herbal plants
7. Botanical survey
8. Zoological survey
9. Marine products
10. Aqua culture
11. Inland fisheries
12. Animals and species
13. Nutrition
14. Traditional health care methods
15. Food habits
16. Air pollution
17. Water pollution
18. Plantation
19. Soil protection
20. Renewable energy
21. Plant diseases
22. Yoga awareness and practice
23. Health care awareness programmes and their impact
24. Use of chemicals on fruits and vegetables
25. Organic farming

26. Crop rotation
27. Flourey culture
28. Access to safe drinking water
29. Geographical survey
30. Geological survey
31. Sericulture
32. Study of species
33. Food adulteration
34. Incidence of Diabetes and other chronic diseases
35. Human genetics
36. Blood groups and blood levels
37. Internet Usage in Villages
38. Android Phone usage by different people
39. Utilization of free electricity to farmers and related issues
40. Gender ration in schooling level- observation.

***Complimenting the community service project, the students may be involved to take up some awareness campaigns on social issues/special groups. The suggested list of programmes are;***

**Programmes for School Children**

1. Reading Skill Programme (Reading Competition)
2. Preparation of Study Materials for the next class.
3. Personality / Leadership Development
4. Career Guidance for X class students
5. Screening Documentary and other educational films
6. Awareness Programme on Good Touch and Bad Touch (Sexual abuse)
7. Awareness Programme on Socially relevant themes.

***Programmes for Women Empowerment***

1. Government Guidelines and Policy Guidelines
2. Womens' Rights
3. Domestic Violence
4. Prevention and Control of Cancer
5. Promotion of Social Entrepreneurship

***General Camps***

1. General Medical camps
2. Eye Camps
3. Dental Camps
4. Importance of protected drinking water
5. ODF awareness camp
6. Swatch Bharat
7. AIDS awareness camp
8. Anti Plastic Awareness
9. Programmes on Environment
10. Health and Hygiene
11. Hand wash programmes
12. Commemoration and Celebration of important days

***Programmes for Youth EmpowermentLeadership***

1. Anti-alcoholism and Drug addiction
2. Anti-tobacco
3. Awareness on Competitive Examinations
4. Personality Development

### ***Common Programmes***

1. Awareness on RTI
2. Health intervention programmes
3. Yoga
4. Tree plantation
5. Programmes in consonance with the Govt. Departments like –
  - i. Agriculture
  - ii. Health
  - iii. Marketing and Cooperation
  - iv. Animal Husbandry
  - v. Horticulture
  - vi. Fisheries
  - vii. Sericulture
  - viii. Revenue and Survey
  - ix. Natural Disaster Management
  - x. Irrigation
  - xi. Law & Order
  - xii. Excise and Prohibition
  - xiii. Mines and Geology
  - xiv. Energy

### ***Role of Students:***

1. Students may not have the expertise to conduct all the programmes on their own. The students then can play a facilitator role.
2. For conducting special camps like Health related, they will be coordinating with the Governmental agencies.
3. As and when required the College faculty themselves act as Resource Persons.
4. Students can work in close association with Non-Governmental Organizations like Lions Club, Rotary Club, etc or with any NGO actively working in that habitation.
5. And also, with the Governmental Departments. If the programme is rolled out, the District Administration could be roped in for the successful deployment of the programme.
6. An in-house training and induction programme could be arranged for the faculty and participating students, to expose them to the methodology of Service Learning.

### ***Timeline for the Community Service Project Activity***

#### **Duration: 8 weeks**

#### **1. Preliminary Survey (One Week)**

- a) A preliminary survey including the socio-economic conditions of the allotted habitation to be conducted.
- b) A survey form based on the type of habitation to be prepared before visiting the habitation with the help of social sciences faculty. (However, a template could be designed for different habitations, rural/urban.
- c) The Governmental agencies, like revenue administration, corporation and municipal authorities and village secretariats could be aligned for the survey.

#### **2. Community Awareness Campaigns (Two Weeks)**

Based on the survey and the specific requirements of the habitation, different awareness campaigns and programmes to be conducted, spread over two weeks of time. The list of activities suggested could be taken into consideration.

3. ***Community Immersion Programme (Four Weeks)***

**Along with the Community Awareness Programmes**, the student batch can also work with any one of the below listed governmental agencies and work in tandem with them. This community involvement programme will involve the students in exposing themselves to the experiential learning about the community and its dynamics. Programmes could be in consonance with the Govt. Departments.

4. ***Community Exit Report (One Week)***

During the last week of the Community Service Project, a detailed report of the outcome of the 8 weeks works to be drafted and a copy shall be submitted to the local administration. This report will be a basis for the next batch of students visiting that particular habitation. The same report submitted to the teacher-mentor will be evaluated by the mentor and suitable marks are awarded for onward submission to the University.

Throughout the Community Service Project, a daily log-book need to be maintained by the students batch, which should be countersigned by the governmental agency representative and the teacher-mentor, who is required to periodically visit the students and guide them.

## MALPRACTICES RULES

### DISCIPLINARY ACTION FOR / IMPROPER CONDUCT IN EXAMINATIONS

	Nature of Malpractices/Improper conduct	Punishment
	<i>If the candidate:</i>	
1. (a)	Possesses or keeps accessible in examination hall, any paper, note book, programmable calculators, Cell phones, pager, palm computers or any other form of material concerned with or related to the subject of the examination (theory or practical) in which he is appearing but has not made use of (material shall include any marks on the body of the candidate which can be used as an aid in the subject of the examination)	Expulsion from the examination hall and cancellation of the performance in that subject only.
(b)	Gives assistance or guidance or receives it from any other candidate orally or by any other body language methods or communicates through cell phones with any candidate or persons in or outside the exam hall in respect of any matter.	Expulsion from the examination hall and cancellation of the performance in that subject only of all the candidates involved. In case of an outsider, he will be handed over to the police and a case is registered against him.
2.	Has copied in the examination hall from any paper, book, programmable calculators, palm computers or any other form of material relevant to the subject of the examination (theory or practical) in which the candidate is appearing.	Expulsion from the examination hall and cancellation of the performance in that subject and all other subjects the candidate has already appeared including practical examinations and project work and shall not be permitted to appear for the remaining examinations of the subjects of that Semester/year. The Hall Ticket of the candidate is to be cancelled and sent to the University.
3.	Impersonates any other candidate in connection with the examination.	The candidate who has impersonated shall be expelled from examination hall. The candidate is also debarred and forfeits the seat. The performance of the original candidate who has been impersonated, shall be cancelled in all the subjects of the examination (including practicals and project work) already appeared and shall not be allowed to appear for examinations of the remaining subjects of that semester/year. The candidate is also debarred for two consecutive semesters from class work and all University examinations. The continuation of the course by the candidate is subject to the academic regulations in connection with forfeiture of seat. If the imposter is an outsider, he will be handed over to the police and a case is registered against him.
4.	Smuggles in the Answer book or additional sheet or takes out or arranges to send out the question paper during the examination or answer book or additional sheet, during or after the examination.	Expulsion from the examination hall and cancellation of performance in that subject and all the other subjects the candidate has already appeared including practical examinations and project work and shall not be permitted for the remaining examinations of the subjects of that semester/year. The candidate is also debarred for two consecutive semesters from class work and all University examinations. The continuation of the course by the candidate is subject to the academic regulations in connection with forfeiture of seat.
5.	Uses objectionable, abusive or offensive language in the answer paper or in letters to the examiners or writes to the examiner requesting him to award pass marks.	Cancellation of the performance in that subject.
6.	Refuses to obey the orders of the Chief Superintendent/Assistant – Superintendent / any officer on duty or misbehaves or creates disturbance of any kind in and around the examination hall or organizes a walk out or instigates others to walk out, or threatens the officer-in charge or any person on duty in or outside the examination hall of any injury to his person or to any of his relations whether by words, either spoken or written or by signs or by visible representation, assaults the officer-in-charge, or any person on duty in or outside the examination hall or any of his relations, or indulges in any other act of misconduct or mischief which result in damage to or destruction of property in the examination hall or any part of the College campus or engages in any	In case of students of the college, they shall be expelled from examination halls and cancellation of their performance in that subject and all other subjects the candidate(s) has (have) already appeared and shall not be permitted to appear for the remaining examinations of the subjects of that semester/year. The candidates also are debarred and forfeit their seats. In case of outsiders, they will be handed over to the police and a police case is registered against them.

	other act which in the opinion of the officer on duty amounts to use of unfair means or misconduct or has the tendency to disrupt the orderly conduct of the examination.	
7.	Leaves the exam hall taking away answer script or intentionally tears the script or any part thereof inside or outside the examination hall.	Expulsion from the examination hall and cancellation of performance in that subject and all the other subjects the candidate has already appeared including practical examinations and project work and shall not be permitted for the remaining examinations of the subjects of that semester/year. The candidate is also debarred for two consecutive semesters from class work and all University examinations. The continuation of the course by the candidate is subject to the academic regulations in connection with forfeiture of seat.
8.	Possess any lethal weapon or firearm in the examination hall.	Expulsion from the examination hall and cancellation of the performance in that subject and all other subjects the candidate has already appeared including practical examinations and project work and shall not be permitted for the remaining examinations of the subjects of that semester/year. The candidate is also debarred and forfeits the seat.
9.	If student of the college, who is not a candidate for the particular examination or any person not connected with the college indulges in any malpractice or improper conduct mentioned in clause 6 to 8.	Student of the colleges expulsion from the examination hall and cancellation of the performance in that subject and all other subjects the candidate has already appeared including practical examinations and project work and shall not be permitted for the remaining examinations of the subjects of that semester/year. The candidate is also debarred and forfeits the seat. Person(s) who do not belong to the College will be handed over to police and, a police case will be registered against them.
10.	Comes in a drunken condition to the examination hall.	Expulsion from the examination hall and cancellation of the performance in that subject and all other subjects the candidate has already appeared including practical examinations and project work and shall not be permitted for the remaining examinations of the subjects of that semester/year.
11.	Copying detected on the basis of internal evidence, such as, during valuation or during special scrutiny.	Cancellation of the performance in that subject and all other subjects the candidate has appeared including practical examinations and project work of that semester/year examinations.
12.	If any malpractice is detected which is not covered in the above clauses 1 to 11 shall be reported to the University for further action and impose suitable punishment.	

#### Malpractices identified by squad or special invigilators

1. Punishments to the candidates as per the above guidelines.
2. Punishment for institutions: (if the squad reports that the college is also involved in encouraging malpractices)
  - (i) A show because notice shall be issued to the college.
  - (ii) Impose a suitable fine on the college.
  - (iii) Shifting the examination centre from the college to another college for a specific period of not less than one year.

\* \* \* \* \*







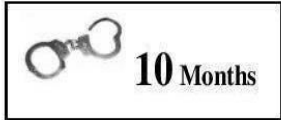


# Ragging

## Prohibition of ragging in educational institutions Act 26 of 1997

### Salient Features

- Ragging within or outside any educational institution is prohibited.
- Ragging means doing an act which causes or is likely to cause Insult or Annoyance of Fear or Apprehension or Threat or Intimidation or outrage of modesty or Injury to a student.

	Imprisonment upto		Fine Upto
Teasing, Embarrassing and Humiliation	 6 Months	+	Rs. 1,000/-
Assaulting or Using Criminal force or Criminal intimidation	 1 Year	+	Rs. 2,000/-
Wrongfully restraining or confining or causing	 2 Years	+	Rs. 5,000/-
Causing grievous hurt, kidnapping or Abducts or rape or committing unnatural offence	 5 Years	+	Rs. 10,000/-
Causing death or abetting suicide	 10 Months	+	Rs. 50,000/-

In Case of Emergency CALL TOLL FREE NO. : 1800 - 425 - 1288

LET US MAKE JNTUK A RAGGING FREE UNIVERSITY



**JAWAHARLAL NEHRU TECHNOLOGICAL UNIVERSITY: KAKINADA**

**KAKINADA - 533 003, Andhra Pradesh, India**  
**For Constituent Colleges and Affiliated Colleges of JNTUK**



# **Ragging**

## **ABSOLUTELY**

### **NO TO RAGGING**

- 1. Ragging is prohibited as per Act 26 of A.P. Legislative Assembly, 1997.**
- 2. Ragging entails heavy fines and/or imprisonment.**
- 3. Ragging invokes suspension and dismissal from the College.**
- 4. Outsiders are prohibited from entering the College and Hostel without permission.**
- 5. Girl students must be in their hostel rooms by 7.00 p.m.**
- 6. All the students must carry their Identity Cards and show them when demanded**
- 7. The Principal and the Wardens may visit the Hostels and inspect the rooms any time.**



**Jawaharlal Nehru Technological University Kakinada**

**For Constituent Colleges and Affiliated Colleges of JNTUK**

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2023

# ENGINEERING CURRICULUM

**B.Tech. Regular / Honors**

**JAWAHARLAL NEHRU  
TECHNOLOGICAL UNIVERSITY KAKINADA**

Kakinada – 533003, Andhra Pradesh, [www.jntuk.edu.in](http://www.jntuk.edu.in)



## JAWAHARLAL NEHRU TECHNOLOGICAL UNIVERSITY KAKINADA

(Established by Govt. of A.P., Act No.30 of 2008)

Kakinada – 533003, Andhra Pradesh, India, [www.jntuk.edu.in](http://www.jntuk.edu.in)

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### **B. Tech (Regular-Full time)**

(Effective for the students admitted into I year from the Academic Year **2023-24** onwards)

&

### **B.Tech.(Lateral Entry Scheme)**

(Effective for the students admitted into II year through Lateral Entry Scheme from the Academic Year **2024 - 25** onwards)

## Academic Regulations (R23) for B. Tech (Regular-Full time)

(Effective for the students admitted into I year from the Academic Year 2023-24 onwards)

### 1. Award of the Degree

- (a) Award of the B.Tech. Degree / B.Tech. Degree with a Minor if he/she fulfils the following:
- (i) Pursues a course of study for not less than four academic years and not more than eight academic years. However, for the students availing Gap year facility this period shall be extended by two years at the most and these two years would in addition to the maximum period permitted for graduation (Eight years).
  - (ii) Registers for 160 credits and secures all 160 credits.
- (b) **Award of B.Tech. degree with Honors** if he/she fulfils the following:
- (i) Student secures additional 15 credits fulfilling all the requisites of a B.Tech. program i.e., 160 credits.
  - (ii) Registering for Honors is optional.
  - (iii) Honors is to be completed simultaneously with B.Tech. programme.

2. Students, who fail to fulfil all the academic requirements for the award of the degree within eight academic years from the year of their admission, shall forfeit their seat in B.Tech. course and their admission stands cancelled. This clause shall be read along with clause 1 a) i).

### 3. Admissions

Admission to the B. Tech Program shall be made subject to the eligibility, qualifications and specialization prescribed by the A.P. State Government/University from time to time. Admissions shall be made either based on the merit rank obtained by the student in the common entrance examination conducted by the A.P. Government/University or any other order of merit approved by the A.P. Government/University, subject to reservations as prescribed by the Government/University from time to time.

### 4. Program related terms

**Credit:** A unit by which the course work is measured. It determines the number of hours of instruction required per week. One credit is equivalent to one hour of teaching (Lecture/Tutorial) or two hours of practical work/field work per week.

#### Credit Definition:

1 Hr. Lecture (L) per week	1 credit
1 Hr. Tutorial (T) per week	1 credit
1 Hr. Practical (P) per week	0.5 credit
2 Hrs. Practical (Lab) per week	1 credit

- a) **Academic Year:** Two consecutive (one odd + one even) semesters constitute one academic year.
- b) **Choice Based Credit System (CBCS):** The CBCS provides a choice for students to select from the prescribed courses.

### 5. Semester/Credits:

- i) A semester comprises 90 working days and an academic year is divided into two semesters.
- ii) The summer term is for eight weeks during summer vacation. Internship/ apprenticeship / work-based vocational education and training can be carried out during the summer term, especially by students who wish to exit after two semesters or four semesters of study.
- iii) Regular courses may also be completed well in advance through MOOCs satisfying prerequisites.

### 6. Structure of the Undergraduate Programme

All courses offered for the undergraduate program (B. Tech.) are broadly classified as follows:

S.No.	Category	Breakup of Credits (Total 160)	Percentage of total credits	AICTE Recommendation (%)
1.	Humanities and Social Science including Management (HM)	13	8 %	8 – 9%
2.	Basic Sciences (BS)	20	13 %	12 - 16%
3.	Engineering Sciences (ES)	23.5	14%	10 – 18%
4.	Professional Core (PC)	54.5	34 %	30 – 36%
5.	Electives – Professional (PE) & Open (OE); Domain Specific Skill Enhancement Courses (SEC)	33	21 %	19 - 23%
6.	Internships & Project work (PR)	16	10 %	8 – 11%
7.	Mandatory Courses (MC)	Non-credit	Non-credit	-

### 7. Course Classification:

All subjects/ courses offered for the undergraduate programme in Engineering & Technology (B.Tech. degree programmes) are broadly classified as follows:

S.No.	Broad Course Classification	Course Category	Description
1.	Foundation Courses	Foundation courses	Includes Mathematics, Physics and Chemistry; fundamental engineering courses; humanities, social sciences and management courses
2.	Core Courses	Professional Core Courses (PC)	Includes subjects related to the parent discipline/department/branch of Engineering
3.	Elective Courses	Professional Elective Courses (PE)	Includes elective subjects related to the parent discipline/department/ branch of Engineering
		Open Elective Courses (OE)	Elective subjects which include interdisciplinary subjects or subjects in an area outside the parent discipline/ department/ branch of Engineering
		Domain specific skill enhancement courses (SEC)	interdisciplinary/job-oriented/domain courses which are relevant to the industry
4.	Project & Internships	Project	B.Tech. Project or Major Project
		Internships	Summer Internships – Community based and Industry Internships; Industry oriented Full Semester Internship
5.	Audit Courses	Mandatory non-credit courses	Covering subjects of developing desired attitude among the learners

## 8. Programme Pattern

- i. Total duration of the of B. Tech (Regular) Programme is four academic years.
- ii. Each academic year of study is divided into two semesters.
- iii. Minimum number of instruction days in each semester is 90 days.
- iv. There shall be mandatory student induction program for freshers, with a three-week duration before the commencement of first semester. Physical activity, Creative Arts, Universal Human Values, Literary, Proficiency Modules, Lectures by Eminent People, Visits to local Areas, Familiarization to Dept./Branch & Innovations etc., are included as per the guidelines issued by AICTE.
- v. Health/wellness/yoga/sports and NSS /NCC /Scouts & Guides / Community service activities are made mandatory as credit courses for all the undergraduate students.
- vi. Courses like Environmental Sciences, Indian Constitution, Technical Paper Writing & IPR are offered as non-credit mandatory courses for all the undergraduate students.
- vii. Design Thinking for Innovation & Tinkering Labs are made mandatory as credit courses for all the undergraduate students.
- viii. Increased flexibility for students through an increase in the elective component of the curriculum, with 05 Professional Elective courses and 04 Open Elective courses.

- ix. Professional Elective Courses, include the elective courses relevant to the chosen specialization/branch. Proper choice of professional elective courses can lead to students specializing in emerging areas within the chosen field of study.
- x. A total of 04 Open Electives are offered in the curriculum. A student can complete the requirement for B.Tech. Degree with a Minor within the 160 credits by opting for the courses offered through various verticals/tracks under Open Electives.
- xi. While choosing the electives, students shall ensure that they do not opt for the courses with syllabus contents similar to courses already pursued.
- xii. A pool of interdisciplinary/job-oriented/domain skill courses which are relevant to the industry are integrated into the curriculum of all disciplines. There shall be 05 skill-oriented courses offered during III to VII semesters. Among the five skill courses, four courses shall focus on the basic and advanced skills related to the domain/interdisciplinary courses and the other shall be a soft skills course.
- xiii. Students shall undergo mandatory summer internships, for a minimum of eight weeks duration at the end of second and third year of the programme. The internship at the end of second year shall be community oriented and industry internship at the end of third year.
- xiv. There shall also be mandatory full internship in the final semester of the programme along with the project work.
- xv. Undergraduate degree with Honors is introduced by the University for the students having good academic record.
- xvi. Each college shall take measures to implement Virtual Labs (<https://www.vlab.co.in>) which provide remote access to labs in various disciplines of Engineering and will help student in learning basic and advanced concept through remote experimentation. Student shall be made to work on virtual lab experiments during the regular labs.
- xvii. Each college shall assign a faculty advisor/mentor after admission to a group of students from same department to provide guidance in courses registration/career growth/placements/opportunities for higher studies/GATE/other competitive exams etc.
- xviii. Preferably 25% of course work for the theory courses in every semester shall be conducted in the blended mode of learning.

## 9. Evaluation Process

The performance of a student in each semester shall be evaluated subject wise with a maximum of 100 marks for theory and 100 marks for practical subject. Summer Internships shall be evaluated for 50 marks, Full Internship & Project work in final semester shall be evaluated for 200 marks, mandatory courses with no credits shall be evaluated for 30 mid semester marks.

A student has to secure not less than 35% of marks in the end examination and a minimum of 40% of marks in the sum total of the mid semester and end examination marks taken together for the theory, practical, design, drawing subject or project etc. In case of a mandatory course, he/she should secure 40% of the total marks.



## Theory Courses

Assessment Method	Marks
Continuous Internal Assessment	30
Semester End Examination	70
<b>Total</b>	<b>100</b>

- i) For theory subject, the distribution shall be 30 marks for Internal Evaluation and 70 marks for the End-Examination.
- ii) For practical subject, the distribution shall be 30 marks for Internal Evaluation and 70 marks for the End- Examination.
- iii) If any course contains two different branch subjects, the syllabus shall be written in two parts with 3 units each (Part-A and Part-B) and external examination question paper shall be set with two parts each for 35 marks.
- iv) If any subject is having both theory and practical components, they will be evaluated separately as theory subject and practical subject. However, they will be given same subject code with an extension of 'T' for theory subject and 'P' for practical subject.

### a) Continuous Internal Evaluation

- i) For theory subjects, during the semester, there shall be two midterm examinations. Each midterm examination shall be evaluated for 30 marks of which 10 marks for objective paper (20 minutes duration), 15 marks for subjective paper (90 minutes duration) and 5 marks for assignment.
- ii) Objective paper shall contain for 05 short answer questions with 2 marks each or maximum of 20 bits for 10 marks. Subjective paper shall contain 3 either or type questions (totally six questions from 1 to 6) of which student has to answer one from each either-or type of questions. Each question carries 10 marks. The marks obtained in the subjective paper are condensed to 15 marks.

### Note:

- The objective paper shall be prepared in line with the quality of competitive examinations questions.
  - The subjective paper shall contain 3 either or type questions of equal weightage of 10 marks. Any fraction shall be rounded off to the next higher mark.
  - The objective paper shall be conducted by the respective institution on the day of subjective paper test.
  - Assignments shall be in the form of problems, mini projects, design problems, slip tests, quizzes etc., depending on the course content. It should be continuous assessment throughout the semester and the average marks shall be considered.
- iii) If the student is absent for the mid semester examination, no re-exam shall be conducted and mid semester marks for that examination shall be considered as zero.
  - iv) First midterm examination shall be conducted for I, II units of syllabus with one either or type question from each unit and third either or type question from both the

units. The second midterm examination shall be conducted for III, IV and V units with one either or type question from each unit.

- v) Final mid semester marks shall be arrived at by considering the marks secured by the student in both the mid examinations with 80% weightage given to the better mid exam and 20% to the other.

**For Example:**

Marks obtained in first mid: 25

Marks obtained in second mid: 20

Final mid semester Marks:  $(25 \times 0.8) + (20 \times 0.2) = 24$

If the student is absent for any one midterm examination, the final mid semester marks shall be arrived at by considering 80% weightage to the marks secured by the student in the appeared examination and zero to the other. For Example:

Marks obtained in first mid: Absent

Marks obtained in second mid: 25

Final mid semester Marks:  $(25 \times 0.8) + (0 \times 0.2) = 20$

**b) End Examination Evaluation:**

End examination of theory subjects shall have the following pattern:

- i) There shall be 6 questions and all questions are compulsory.
- ii) Question I shall contain 10 compulsory short answer questions for a total of 20marks such that each question carries 2 marks.
- iii) There shall be 2 short answer questions from each unit.
  - a) In each of the questions from 2 to 6, there shall be either/or type questions of 10 marks each. Student shall answer any one of them.
- iv) The questions from 2 to 6 shall be set by covering one unit of the syllabus for each question.

End examination of theory subjects consisting of two parts of different subjects, for Example: Basic Electrical & Electronics Engineering shall have the following pattern:

- i) Question paper shall be in two parts viz., Part A and Part B with equal weightage of 35 marks each.
- ii) In each part, question 1 shall contain 5 compulsory short answer questions for a total of 5 marks such that each question carries 1mark.
- iii) In each part, questions from 2 to 4, there shall be either/or type questions of 10 marks each. Student shall answer any one of them.
- iv) The questions from 2 to 4 shall be set by covering one unit of the syllabus for each question.

**Practical Courses**

Assessment Method	Marks
Continuous Internal Assessment	30
Semester End Examination	70
<b>Total</b>	<b>100</b>

- b) For practical courses, there shall be a continuous evaluation during the semester for 30 sessional marks and end examination shall be for 70 marks.
- c) Day-to-day work in the laboratory shall be evaluated for 15 marks by the concerned laboratory teacher based on the record/viva and 15 marks for the internal test.
- d) The end examination shall be evaluated for 70 marks, conducted by the concerned laboratory teacher and a senior expert in the subject from the same department.
- Procedure: 20 marks
  - Experimental work & Results: 30 marks
  - Viva voce: 20 marks.

In a practical subject consisting of two parts (Eg: Basic Electrical & Electronics Engineering Lab), the end examination shall be conducted for 70 marks as a single laboratory in 3 hours. Mid semester examination shall be evaluated as above for 30 marks in each part and final mid semester marks shall be arrived by considering the average of marks obtained in two parts.

- e) For the subject having design and/or drawing, such as Engineering Drawing, the distribution of marks shall be 30 for mid semester evaluation and 70 for end examination.

Assessment Method	Marks
Continuous Internal Assessment	30
Semester End Examination	70
<b>Total</b>	<b>100</b>

Day-to-day work shall be evaluated for 15 marks by the concerned subject teacher based on the reports/submissions prepared in the class. And there shall be two midterm examinations in a semester for duration of 2 hours each for 15 marks with weightage of 80% to better mid marks and 20% for the other. The subjective paper shall contain 3 either or type questions of equal weightage of 5 marks. There shall be no objective paper in mid semester examination. The sum of day-to-day evaluation and the mid semester marks will be the final sessional marks for the subject.

The end examination pattern for Engineering Graphics, shall consists of 5 questions, either/or type, of 14 marks each. There shall be no objective type questions in the end examination. However, the end examination pattern for other subjects related to design/drawing , multiple branches, etc is mentioned along with the syllabus.

- f) There shall be no external examination for mandatory courses with zero credits. However, attendance shall be considered while calculating aggregate attendance and student shall be declared to have passed the mandatory course only when he/she secures 40% or more in the internal examinations. In case, the student fails, a re-

examination shall be conducted for failed candidates for 30 marks satisfying the conditions mentioned in item 1 & 2 of the regulations.

- g) The laboratory records and mid semester test papers shall be preserved for a minimum of 3 years in the respective institutions as per the University norms and shall be produced to the Committees of the University as and when the same are asked for.

#### **10. Skill oriented Courses**

- i) There shall be five skill-oriented courses offered during III to VII semesters.
- ii) Out of the five skill courses two shall be skill-oriented courses from the same domain. Of the remaining three skill courses, one shall be a soft skill course and the remaining two shall be skill-advanced courses from the same domain/Interdisciplinary/Job oriented.
- iii) The course shall carry 100 marks and shall be evaluated through continuous assessments during the semester for 30 sessional marks and end examination shall be for 70 marks. Day-to-day work in the class / laboratory shall be evaluated for 30 marks by the concerned teacher based on the regularity/assignments/viva/mid semester test. The end examination similar to practical examination pattern shall be conducted by the concerned teacher and an expert in the subject nominated by the principal.
- iv) The Head of the Department shall identify a faculty member as coordinator for the course. A committee consisting of the Head of the Department, coordinator and a senior Faculty member nominated by the Head of the Department shall monitor the evaluation process. The marks/grades shall be assigned to the students by the above committee based on their performance.
- v) The student shall be given an option to choose either the skill courses being offered by the college or to choose a certificate course being offered by industries/Professional bodies or any other accredited bodies. If a student chooses to take a Certificate Course offered by external agencies, the credits shall be awarded to the student upon producing the Course Completion Certificate from the agency. A committee shall be formed at the level of the college to evaluate the grades/marks given for a course by external agencies and convert to the equivalent marks/grades.
- vi) The recommended courses offered by external agencies, conversions and appropriate grades/marks are to be approved by the University at the beginning of the semester. The principal of the respective college shall forward such proposals to the University for approval.
- vii) If a student prefers to take a certificate course offered by external agency, the department shall mark attendance of the student for the remaining courses in that semester excluding the skill course in all the calculations of mandatory attendance requirements upon producing a valid certificate as approved by the University.

## 11. Massive Open Online Courses (MOOCs):

A Student has to pursue and complete one course compulsorily through MOOCs approved by the University. A student can pursue courses other than core through MOOCs and it is mandatory to complete one course successfully through MOOCs for awarding the degree. A student is not permitted to register and pursue core courses through MOOCs.

A student shall register for the course (Minimum of either 8 weeks or 12 weeks) offered through MOOCs with the approval of Head of the Department. The Head of the Department shall appoint one mentor to monitor the student's progression. The student needs to earn a certificate by passing the exam. The student shall be awarded the credits assigned in the curriculum only by submission of the certificate. Examination fee, if any, will be borne by the student.

Students who have qualified in the proctored examinations conducted through MOOCs platform can apply for credit transfer as specified and are exempted from appearing internal as well as external examination (for the specified equivalent credit course only) conducted by the university.

Necessary amendments in rules and regulations regarding adoption of MOOC courses would be proposed from time to time.

## 12. Credit Transfer Policy

Adoption of MOOCs is mandatory, to enable Blended model of teaching-learning as also envisaged in the NEP 2020. As per University Grants Commission (Credit Framework for Online Learning Courses through SWAYAM) Regulation, 2016, the University shall allow up to a maximum of 20% of the total courses being offered in a particular programme i.e., maximum of 32 credits through MOOCs platform.

- i) The University shall offer credit mobility for MOOCs and give the equivalent credit weightage to the students for the credits earned through online learning courses.
- ii) Student registration for the MOOCs shall be only through the respective department of the institution, it is mandatory for the student to share necessary information with the department.
- iii) Credit transfer policy will be applicable to the Professional & Open Elective courses only.
- iv) The concerned department shall identify the courses permitted for credit transfer.
- v) The University/institution shall notify at the beginning of semester the list of the online learning courses eligible for credit transfer.
- vi) The institution shall designate a faculty member as a Mentor for each course to guide the students from registration till completion of the credit course.
- vii) The university shall ensure no overlap of MOOC exams with that of the university examination schedule. In case of delay in results, the university will re-issue the marks sheet for such students.

- viii) Student pursuing courses under MOOCs shall acquire the required credits only after successful completion of the course and submitting a certificate issued by the competent authority along with the percentage of marks and grades.
- ix) The institution shall submit the following to the examination section of the university:
  - a) List of students who have passed MOOC courses in the current semester along with the certificate of completion.
  - b) Undertaking form filled by the students for credit transfer.
- x) The universities shall resolve any issues that may arise in the implementation of this policy from time to time and shall review its credit transfer policy in the light of periodic changes brought by UGC, SWAYAM, NPTEL and state government.

**Note:** Students shall be permitted to register for MOOCs offered through online platforms approved by the University from time to time.

### 13. Academic Bank of Credits (ABC)

The University has implemented Academic Bank of Credits (ABC) to promote flexibility in curriculum as per NEP 2020 to

- i. provide option of mobility for learners across the universities of their choice
- ii. provide option to gain the credits through MOOCs from approved digital platforms.
- iii. facilitate award of certificate/diploma/degree in line with the accumulated credits in ABC
- iv. execute Multiple Entry and Exit system with credit count, credit transfer and credit acceptance from students' account.

### 14. Mandatory Internships

**Summer Internships :** Two summer internships either onsite or virtual each with a minimum of 08 weeks duration, done at the end of second and third years, respectively are mandatory. It shall be completed in collaboration with local industries, Govt. Organizations, construction agencies, Power projects, software MNCs or any industries in the areas of concerned specialization of the Undergraduate program. One of the two summer internships at the end of second year (Community Service Project) shall be society oriented and shall be completed in collaboration with government organizations/NGOs & others. The other internship at the end of third year is Industry Internship and shall be completed in collaboration with Industries. The student shall register for the internship as per course structure after commencement of academic year. The guidelines issued by the APSICHE / University shall be followed for carrying out and evaluation of Community Service Project and Industry Internship.

Evaluation of the summer internships shall be through the departmental committee. A student will be required to submit a summer internship report to the concerned department and appear for an oral presentation before the departmental committee comprising of Head of the Department, supervisor of the internship and a senior faculty member of the department. A certificate of successful completion from industry shall

be included in the report. The report and the oral presentation shall carry 50% weightage each. It shall be evaluated for 50 external marks. There shall be no internal marks for Summer Internship. A student shall secure minimum 40% of marks for successful completion. In case, if a student fails, he/she shall reappear as and when semester supplementary examinations are conducted by the University.

**Full Semester Internship and Project work:** In the final semester, the student should mandatorily register and undergo internship (onsite/virtual) and in parallel he/she should work on a project with well-defined objectives. At the end of the semester the candidate shall submit an internship completion certificate and a project report. A student shall also be permitted to submit project report on the work carried out during the internship.

The project report shall be evaluated with an external examiner. The total marks for project work 200 marks and distribution shall be 60 marks for internal and 140 marks for external evaluation. The supervisor assesses the student for 30 marks (Report: 15 marks, Seminar: 15 marks). At the end of the semester, all projects shall be showcased at the department for the benefit of all students and staff and the same is to be evaluated by the departmental Project Review Committee consisting of supervisor, a senior faculty and HOD for 30 marks. The external evaluation of Project Work is a Viva-Voce Examination conducted in the presence of internal examiner and external examiner appointed by the University and is evaluated for 140 marks.

The college shall facilitate and monitor the student internship programs. Completion of internships is mandatory, if any student fails to complete internship, he/she will not be eligible for the award of degree. In such cases, the student shall repeat and complete the internship.

### 15. Guidelines for offering a Minor

To promote interdisciplinary knowledge among the students, the students admitted into B.Tech. in a major stream/branch are eligible to obtain degree in Minor in another stream.

- i) The Minor program requires the completion of 12 credits in Minor stream chosen.
- i) Two courses for 06 credits related to a Minor are to be pursued compulsorily for the minor degree, but maybe waived for students who have done similar/equivalent courses. If waived for a student, then the student must take an extra elective course in its place. It is recommended that students should complete the compulsory courses (or equivalents) before registering for the electives.
- ii) Electives (minimum of 2 courses) to complete a total of 12 credits.

**Note:** A total of 04 Open Electives are offered in the curriculum. A student can complete the requirement for Minor by opting for the courses offered through various verticals/tracks under Open Electives.

### 16. Guidelines for offering Honors

The objective of introducing B.Tech. (Hons.) is to facilitate the students to choose

additionally the specialized courses of their choice and build their competence in a specialized area in the UG level. The programme is a best choice for academically excellent students having good academic record and interest towards higher studies and research.

- i) Honors is introduced in the curriculum of all B. Tech. programs offering a major degree and is applicable to all B. Tech (Regular and Lateral Entry) students admitted in Engineering & Technology.
- ii) A student shall earn additional 15 credits for award of B.Tech.(Honors) degree from same branch/department/discipline registered for major degree. This is in addition to the credits essential for obtaining the Undergraduate degree in Major Discipline (i.e., 160 credits).
- iii) A student is permitted to register for Honors in IV semester after the results of III Semester are declared and students may be allowed to take maximum two subjects per semester pertaining to the Honors from V Semester onwards.
- iv) The concerned Principal of the college shall arrange separate class work and timetable of the courses offered under Honors program.
- v) Courses that are used to fulfil the student's primary major may not be double counted towards the Honors. Courses with content substantially equivalent to courses in the student's primary Major may not be counted towards the Honors.
- vi) Students can complete the courses offered under Honors either in the college or in online platforms like SWAYAM with a minimum duration of 12 weeks for a 3-credit course and 8 weeks duration for a 2-credit course satisfying the criteria for credit mobility. If the courses under Honors are offered in conventional mode, then the teaching and evaluation procedure shall be similar to regular B. Tech courses.
- vii) The attendance for the registered courses under Honors and regular courses offered for Major degree in a semester are to be considered separately.
- viii) A student shall maintain an attendance of 75% in all registered courses under Honors to be eligible for attending semester end examinations.
- ix) **A student registered for Honors shall pass in all subjects that constitute the requirement for the Honors degree program.** No class/division (i.e., second class, first class and distinction, etc.) shall be awarded for Honors degree programme.
- x) If a student drops or is terminated from the Honors program, the additional credits so far earned cannot be converted into open or core electives; they will remain extra. However, such students will receive a separate grade sheet mentioning the additional courses completed by them.
- xi) The Honors will be mentioned in the degree certificate as Bachelor of Technology (Honors) in XYZ. For example, B.Tech. (Honors) in Mechanical Engineering

#### **Enrolment into Honors:**

- i) Students of a Department/Discipline are eligible to opt for Honors program offered by the same Department/Discipline
- ii) The enrolment of student into Honors is based on the CGPA obtained in the major degree program. CGPA shall be taken up to III semester in case of regular entry students and only III semester in case of lateral entry students. Students having 7 CGPA without any backlog subjects will be permitted to register for



Honors.

- iii) If a student is detained due to lack of attendance either in Major or in Honors, registration shall be cancelled.
- iv) Transfer of credits from Honors to regular B. Tech degree and vice-versa shall not be permitted.
- v) Honors is to be completed simultaneously with a Major degree program.

**Registration for Honors:**

- i) The eligible and interested students shall apply through the HOD of his/her parent department. The whole process should be completed within one week before the start of every semester. Selected students shall be permitted to register the courses under Honors.
- ii) The selected students shall submit their willingness to the principal through his/her parent department offering Honors. The parent department shall maintain the record of student pursuing the Honors.
- iii) The students enrolled in the Honors courses will be monitored continuously. An advisor/mentor from parent department shall be assigned to a group of students to monitor the progress.
- iv) There is no fee for registration of subjects for Honors program offered in offline at the respective institutions.

**17. Attendance Requirements:**

- i) A student shall be eligible to appear for the University external examinations if he/she acquires a minimum of 40% attendance in each subject and 75% of attendance in aggregate of all the subjects. Condonation of shortage of attendance in aggregate up to 10% (65% and above and below 75%) in each semester may be granted by the College Academic Committee.
- ii) Shortage of Attendance below 65% in aggregate shall in NO CASE be condoned.
- iii) A stipulated fee shall be payable towards condonation of shortage of attendance to the University.
- iv) Students whose shortage of attendance is not condoned in any semester are not eligible to take their end examination of that class and their registration shall stand cancelled.
- v) A student will not be promoted to the next semester unless he satisfies the attendance requirements of the present semester. They may seek readmission for that semester from the date of commencement of class work.
- vi) If any candidate fulfils the attendance requirement in the present semester, he shall not be eligible for readmission into the same class.
- vii) If the learning is carried out in blended mode (both offline & online), then the total attendance of the student shall be calculated considering the offline and online attendance of the student.
- viii) For induction programme attendance shall be maintained as per AICTE norms.

**18. Promotion Rules:**

The following academic requirements must be satisfied in addition to the attendance requirements mentioned in section 16.

- i) A student shall be promoted from first year to second year if he/she fulfils the minimum attendance requirement as per university norms.
- ii) A student will be promoted from II to III year if he/she fulfils the academic requirement of securing 40% of the credits (any *decimal* fraction should be **rounded off** to *lower* digit) up to in the subjects that have been studied up to III semester.
- iii) A student shall be promoted from III year to IV year if he/she fulfils the academic requirements of securing 40% of the credits (any *decimal* fraction should be **rounded off** to *lower* digit) in the subjects that have been studied up to V semester.

And in case a student is detained for want of credits for a particular academic year by ii) & iii) above, the student may make up the credits through supplementary examinations and only after securing the required credits he/she shall be permitted to join in the V semester or VII semester respectively as the case may be.

- iv) When a student is detained due to lack of credits/shortage of attendance he/she may be re-admitted when the semester is offered after fulfilment of academic regulations. In such case, he/she shall be in the academic regulations into which he/she is readmitted.

**19. Grading:**

As a measure of the student's performance, a 10-point Absolute Grading System using the following Letter Grades and corresponding percentage of marks shall be followed:

After each course is evaluated for 100 marks, the marks obtained in each course will be converted to a corresponding letter grade as given below, depending on the range in which the marks obtained by the student fall.

**Structure of Grading of Academic Performance**

Range in which the marks in the subject fall	Grade	Grade points
		Assigned
90 & above	S (Superior)	10
80 - 89	A (Excellent)	9
70 - 79	B (Very Good)	8
60 - 69	C (Good)	7
50 - 59	D (Average)	6
40 - 49	E (Pass)	5
< 40	F (Fail)	0
Absent	Ab (Absent)	0

- i) A student obtaining Grade 'F' or Grade 'Ab' in a subject shall be considered failed and will be required to reappear for that subject when it is offered the next supplementary examination.
- ii) For non-credit audit courses, "Satisfactory" or "Unsatisfactory" shall be indicated instead of the letter grade and this will not be counted for the computation of SGPA/CGPA/Percentage.

Computation of Semester Grade Point Average (SGPA) and Cumulative Grade Point Average (CGPA):

The Semester Grade Point Average (SGPA) is the ratio of sum of the product of the number of credits with the grade points scored by a student in all the courses taken by a student and the sum of the number of credits of all the courses undergone by a student, i.e.,

$$SGPA = \frac{\sum (C_i \times G_i)}{\sum C_i}$$

where,  $C_i$  is the number of credits of the  $i^{\text{th}}$  subject and  $G_i$  is the grade point scored by the student in the  $i^{\text{th}}$  course.

The Cumulative Grade Point Average (CGPA) will be computed in the same manner considering all the courses undergone by a student over all the semesters of a program, i.e.,

$$CGPA = \frac{\sum (C_i \times S_i)}{\sum C_i}$$

where " $S_i$ " is the SGPA of the  $i^{\text{th}}$  semester and  $C_i$  is the total number of credits up to that semester.

Both SGPA and CGPA shall be rounded off to 2 decimal points and reported in the transcripts.

While computing the SGPA the subjects in which the student is awarded Zero grade points will also be included.

Grade Point: It is a numerical weight allotted to each letter grade on a 10-point scale.

Letter Grade: It is an index of the performance of students in a said course. Grades are denoted by the letters S, A, B, C, D and F.

#### **Award of Class:**

After a student has satisfied the requirements prescribed for the completion of the program and is eligible for the award of B. Tech. Degree, he/she shall be placed in one of the following four classes:

<b>Class Awarded</b>	<b>CGPA Secured</b>
First Class with Distinction	$\geq 7.5$
First Class	$\geq 6.5 < 7.5$
Second Class	$\geq 5.5 < 6.5$
Pass Class	$\geq 5.0 < 5.5$

**CGPA to Percentage conversion Formula –  $(CGPA - 0.5) \times 10$**

## 20. With-holding of Results

If the candidate has any dues not paid to the university or if any case of indiscipline or malpractice is pending against him/her, the result of the candidate shall be withheld in such cases.

## 21. Multiple Entry / Exit Option

### (a) Exit Policy:

The students can choose to exit the four-year programme at the end of first/second/third year.

- i) **UG Certificate in (Field of study/discipline)** - Programme duration: First year (first two semesters) of the undergraduate programme, 40 credits followed by an additional exit 10-credit bridge course(s) lasting two months, including at least 6-credit job-specific internship/ apprenticeship that would help the candidates acquire job-ready competencies required to enter the workforce.
- ii) **UG Diploma (in Field of study/discipline)** - Programme duration: First two years (first four semesters) of the undergraduate programme, 80 credits followed by an additional exit 10-credit bridge course(s) lasting two months, including at least 6-credit job-specific internship/ apprenticeship that would help the candidates acquire job-ready competencies required to enter the workforce.
- iii) **Bachelor of Science (in Field of study/discipline) i.e., B.Sc. Engineering in (Field of study/discipline)**- Programme duration: First three years (first six semesters) of the undergraduate programme, 120 credits.

### (b) Entry Policy:

Modalities on multiple entry by the student into the B.Tech. programme will be provided in due course of time.

**Note:** The Universities shall resolve any issues that may arise in the implementation of Multiple Entry and Exit policies from time to time and shall review the policies in the light of periodic changes brought by UGC, AICTE and State government.

## 22. Gap Year Concept:

Gap year concept for Student Entrepreneur in Residence is introduced and outstanding students who wish to pursue entrepreneurship / become entrepreneur are allowed to take a break of one year at any time after II year to pursue full-time entrepreneurship programme/to establish startups. This period may be extended to two years at the most and these two years would not be counted for the time for the maximum time for graduation. The principal of the respective college shall forward such proposals submitted by the students to the University. An evaluation committee constituted by the University shall evaluate the proposal submitted by the student and the committee shall decide whether to permit the student(s) to avail the Gap Year or not

### 23. Transitory Regulations

Discontinued, detained, or failed candidates are eligible for readmission as and when the semester is offered after fulfilment of academic regulations. Candidates who have been detained for want of attendance or not fulfilled academic requirements or who have failed after having undergone the course in earlier regulations or have discontinued and wish to continue the course are eligible for admission into the unfinished semester from the date of commencement of class work with the same or equivalent subjects as and when subjects are offered, subject to Section 2 and they will follow the academic regulations into which they are readmitted.

Candidates who are permitted to avail Gap Year shall be eligible for re-joining into the succeeding year of their B. Tech from the date of commencement of class work, subject to Section 2 and they will follow the academic regulations into which they are readmitted.

### 24. Minimum Instruction Days for a Semester:

The minimum instruction days including exams for each semester shall be 90 days.

### 25. Medium of Instruction:

The medium of instruction of the entire B. Tech undergraduate programme in Engineering & Technology (including examinations and project reports) will be in English only.

### 26. Student Transfers:

Student transfers shall be as per the guidelines issued by the Government of Andhra Pradesh and the Universities from time to time.

### 27. General Instructions:

- i. The academic regulations should be read as a whole for purpose of any interpretation.
- ii. Malpractices rules-nature and punishments are appended.
- iii. Where the words “he”, “him”, “his”, occur in the regulations, they also include “she”, “her”, “hers”, respectively.
- iv. In the case of any doubt or ambiguity in the interpretation of the above rules, the decision of the Vice-Chancellor is final.
- v. The Universities may change or amend the academic regulations or syllabi at any time and the changes or amendments shall be made applicable to all the students on rolls with effect from the dates notified by the Universities.
- vi. In the case of any doubt or ambiguity in the interpretation of the guidelines given, the decision of the Vice-Chancellor / Head of the institution is final.

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**ACADEMIC REGULATIONS (R23)****FOR B.TECH. (LATERAL ENTRY SCHEME)**

*(Effective for the students admitted into II year through Lateral Entry Scheme from the Academic Year 2024-25 onwards)*

**1. Award of the Degree**

- (a) Award of the B.Tech. Degree / B.Tech. Degree with a Minor if he/she fulfils the following:
- (i) Pursues a course of study for not less than three academic years and not more than six academic years. However, for the students availing Gap year facility this period shall be extended by two years at the most and these two years would in addition to the maximum period permitted for graduation (Six years).
  - (ii) Registers for 120 credits and secures all 120 credits.
- (b) **Award of B.Tech. degree with Honors** if he/she fulfils the following:
- (i) Student secures additional 15 credits fulfilling all the requisites of a B.Tech. program i.e., 120 credits.
  - (ii) Registering for Honors is optional.
  - (iii) Honors is to be completed simultaneously with B.Tech. programme.

2. Students, who fail to fulfil the requirement for the award of the degree within six consecutive academic years from the year of admission, shall forfeit their seat.

**3. Minimum Academic Requirements**

The following academic requirements have to be satisfied in addition to the requirements mentioned in item no.2

- i. A student shall be deemed to have satisfied the minimum academic requirements and earned the credits allotted to each theory, practical, design, drawing subject or project if he secures not less than 35% of marks in the end examination and a minimum of 40% of marks in the sum total of the mid semester evaluation and end examination taken together.
- ii. A student shall be promoted from III year to IV year if he/she fulfils the academic requirements of securing 40% of the credits (any decimal fraction should be rounded off to lower digit) in the subjects that have been studied up to V semester.

And in case if student is already detained for want of credits for particular academic year, the student may make up the credits through supplementary exams of the above exams before the commencement of IV year I semester class work of next year.

**4. Course Pattern**

- i) The entire course of study is three academic years on semester pattern.
  - ii) A student eligible to appear for the end examination in a subject but absent at it or has failed in the end examination may appear for that subject at the next supplementary examination offered.
  - iii) When a student is detained due to lack of credits/shortage of attendance the student may be re-admitted when the semester is offered after fulfilment of academic regulations, the student shall be in the academic regulations into which he/she is readmitted.
5. All other regulations as applicable for B. Tech. Four-year degree course (Regular) will hold good for B. Tech. (Lateral Entry Scheme).



**JAWAHARLAL NEHRU TECHNOLOGICAL UNIVERSITY: KAKINADA**  
(Established by Andhra Pradesh Act No.30 of 2008)

**Kakinada – 533 003, Andhra Pradesh (India)**

**ACADEMIC REGULATIONS R19 FOR M. Tech (REGULAR) DEGREE COURSE**

Applicable for the students of M. Tech (Regular) Course from the Academic Year 2019-20 onwards. The M. Tech Degree of Jawaharlal Nehru Technological University Kakinada shall be conferred on candidates who are admitted to the program and who fulfil all the requirements for the award of the Degree.

**1.0 ELIGIBILITY FOR ADMISSIONS**

Admission to the above program shall be made subject to eligibility, qualification and specialization as prescribed by the University from time to time.

Admissions shall be made on the basis of merit/rank obtained by the candidates at the qualifying Entrance Test conducted by the University or on the basis of any other order of merit as approved by the University, subject to reservations as laid down by the Govt. from time to time.

**2.0 AWARD OF M. Tech DEGREE**

2.1 A student shall be declared eligible for the award of the M. Tech Degree, if he pursues a course of study in not less than two and not more than four academic years.

2.2 **The student shall register for all 68 credits and secure all the 68 credits.**

2.3 The minimum instruction days in each semester are 90.

**3.0 PROGRAMME OF STUDY**

The following specializations are offered at present for the M. Tech Programme of study.

**M.Tech**

1. M.Tech- Structural Engineering
2. M. Tech- Transportation Engineering
3. M.Tech- Infrastructure Engineering & Management
4. M. Tech - Computer Aided Structural Engineering
5. M. Tech - Soil Mechanics and Foundation Engineering
6. M. Tech- Environmental Engineering
7. M.Tech-Geo-Informatics
8. M.Tech-Spatial Information Technology
9. M.Tech- Civil Engineering



10. M. Tech-Highway Engineering
11. M.Tech -Geo-Technical Engineering
12. M.Tech- Remote Sensing
11. M.Tech- Power Electronics
12. M.Tech- Power & Industrial Drives
13. M.Tech- Power Electronics & Electrical Drives
14. M.Tech- Power System Control & Automation
15. M.Tech- Power Electronics & Drives
16. M.Tech- Power Systems
17. M.Tech- Power Systems Engineering
18. M.Tech- High Voltage Engineering
19. M.Tech- Power Electronics and Power Systems
20. M.Tech- Power System and Control
21. M.Tech- Power Electronics & Systems
22. M.Tech- Electrical Machines and Drives
23. M.Tech- Advanced Power Systems
24. M.Tech- Power Systems with Emphasis on High Voltage Engineering
25. M.Tech- Control Engineering
26. M.Tech- Control Systems
27. M.Tech- Electrical Power Engineering
28. M.Tech- Power Engineering & Energy System
29. M.Tech- Thermal Engineering
30. M.Tech- CAD/CAM
31. M.Tech- Machine Design
32. M.Tech- Computer Aided Design and Manufacture
33. M.Tech- Advanced Manufacturing Systems
34. M.Tech-Computer Aided Analysis & Design
35. M.Tech- Mechanical Engineering Design
36. M.Tech- Systems and Signal Processing
37. M.Tech- Digital Electronics and Communication Systems
38. M.Tech- Electronics & Communications Engineering
39. M.Tech- Communication Systems
40. M.Tech- Communication Engineering & Signal Processing
41. M.Tech- Microwave and Communication Engineering
42. M.Tech- Telematics
43. M.Tech- Digital Systems & Computer Electronics
44. M.Tech- Embedded System
45. M.Tech- VLSI
46. M.Tech- VLSI Design
47. M.Tech- VLSI System Design
48. M.Tech- Embedded System & VLSI Design

49. M.Tech- VLSI & Embedded System
50. M.Tech- VLSI Design & Embedded Systems
51. M.Tech- Image Processing
52. M.Tech- Digital Image Processing
53. M.Tech- Computers & Communication
54. M.Tech- Computers & Communication Engineering
55. M.Tech- Instrumentation & Control Systems
56. M.Tech – VLSI & Micro Electronics
57. M.Tech – Digital Electronics & Communication Engineering
58. M.Tech- Embedded System & VLSI
59. M.Tech- Computer Science & Engineering
60. M.Tech- Computer Science
61. M.Tech- Computer Science & Technology
62. M.Tech- Computer Networks
63. M.Tech- Computer Networks & Information Security
64. M.Tech- Information Technology
65. M.Tech- Software Engineering
66. M.Tech- Neural Networks
67. M.Tech- Chemical Engineering
68. M.Tech- Biotechnology
69. M.Tech- Nano Technology
70. M.Tech- Food Processing
71. M.Tech- Avionics
72. M. Tech- Mining Engineering
73. M. Tech- Auto mobile Engineering
74. M. Tech- Agricultural Engineering
75. M. Tech - Material Science and Technology

and any other course as approved by AICTE/ University from time to time.

**3.0 B. Departments offering M. Tech Programmes with specializations are noted below:**

<b>Civil Engg.</b>	<ol style="list-style-type: none"> <li>1. M.Tech. - Structural Engineering</li> <li>2. M.Tech. - Computer Aided Structural Engineering</li> <li>3. M.Tech - Infrastructure Engineering &amp; Management</li> <li>4. M.Tech - Civil Engineering</li> <li>5. M. Tech - Soil Mechanics and Foundation Engineering</li> <li>6. M.Tech - Geo-Technical Engineering</li> <li>7. M.Tech - Transportation Engineering</li> <li>8. M.Tech - Environmental Engineering</li> <li>9. M.Tech - Geo-Informatics</li> <li>10. M. Tech-Highway Engineering</li> </ol>
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<b>EEE</b>	<ol style="list-style-type: none"> <li>1. M.Tech- Power Electronics</li> <li>2. M.Tech- Power &amp; Industrial Drives</li> <li>3. M.Tech- Power Electronics &amp; Electrical Drives</li> <li>4. M.Tech- Power System Control &amp; Automation</li> <li>5. M.Tech- Power Electronics &amp; Drives</li> <li>6. M.Tech- Power Systems</li> <li>7. M.Tech- Power Systems Engineering</li> <li>8. M.Tech- High Voltage Engineering</li> <li>9. M.Tech- Power Electronics and Power Systems</li> <li>10. M.Tech- Power System and Control</li> <li>11. M.Tech- Power Electronics &amp; Systems</li> <li>12. M.Tech- Electrical Machines and Drives</li> <li>13. M.Tech- Advanced Power Systems</li> <li>14. M.Tech- Power Systems with Emphasis on High Voltage Engineering</li> <li>15. M.Tech- Control Engineering</li> <li>16. M.Tech- Control Systems</li> <li>17. M.Tech- Electrical Power Engineering</li> <li>18. M.Tech- Power Engineering &amp; Energy System</li> </ol>
<b>ME</b>	<ol style="list-style-type: none"> <li>1. M.Tech- Thermal Engineering</li> <li>2. M.Tech- CAD/CAM</li> <li>3. M.Tech- Machine Design</li> <li>4. M.Tech- Computer Aided Design and Manufacture</li> <li>5. M.Tech- Advanced Manufacturing Systems</li> <li>6. M.Tech-Computer Aided Analysis &amp; Design</li> <li>7. M.Tech- Mechanical Engineering Design</li> <li>8. M.Tech- Mining Engineering</li> <li>9. M. Tech- Automobile Engineering</li> </ol>
<b>ECE</b>	<ol style="list-style-type: none"> <li>1. M.Tech- Systems and Signal Processing</li> <li>2. M.Tech- Digital Electronics and Communication Systems</li> <li>3. M.Tech- Electronics &amp; Communications Engineering</li> <li>4. M.Tech- Communication Systems</li> <li>5. M.Tech- Communication Engineering &amp; Signal Processing</li> <li>6. M.Tech- Microwave and Communication Engineering</li> <li>7. M.Tech- Telematics</li> <li>8. M.Tech- Digital Systems &amp; Computer Electronics</li> <li>9. M.Tech- Embedded System</li> <li>10. M.Tech- VLSI</li> <li>11. M.Tech- VLSI Design</li> <li>12. M.Tech- VLSI System Design</li> <li>13. M.Tech- Embedded System &amp; VLSI Design</li> <li>14. M.Tech- VLSI &amp; Embedded System</li> <li>15. M.Tech- VLSI Design &amp; Embedded Systems</li> </ol>

	<ul style="list-style-type: none"> <li>16. M.Tech- Image Processing</li> <li>17. M.Tech- Digital Image Processing</li> <li>18. M.Tech- Computers &amp; Communication</li> <li>19. M.Tech- Computers &amp; Communication Engineering</li> <li>20. M.Tech- Instrumentation &amp; Control Systems</li> <li>21. M.Tech – VLSI &amp; Micro Electronics</li> <li>22. M.Tech – Digital Electronics &amp; Communication Engineering</li> <li>23. M.Tech- Embedded System &amp; VLSI</li> </ul>
<b>CSE</b>	<ul style="list-style-type: none"> <li>1. M.Tech- Computer Science &amp; Engineering</li> <li>2. M.Tech- Computer Science</li> <li>3. M.Tech- Computer Science &amp; Technology</li> <li>4. M.Tech- Computer Networks</li> <li>5. M.Tech- Computer Networks &amp; Information Security</li> <li>6. M.Tech- Information Technology</li> <li>7. M.Tech- Software Engineering</li> <li>8. M.Tech- Neural Networks</li> <li>9. M.Tech- Cyber Security</li> <li>10. MCA</li> </ul>
<b>Metallurgical Engineering</b>	<ul style="list-style-type: none"> <li>1. M. Tech - Material Science and Technology</li> </ul>
<b>Inter disciplinary</b>	<ul style="list-style-type: none"> <li>2. M.Tech - Chemical Engineering</li> <li>3. M.Tech – Bio-technology</li> <li>4. M.Tech – Nano-Technology</li> <li>5. M.Tech- Food Processing Technology</li> <li>6. M.Tech- Avionics</li> <li>7. M.Tech - Remote Sensing</li> <li>8. M.Tech - Spatial Information Technology</li> <li>9. M.Tech - Environmental Engineering &amp; Management</li> <li>10. M.Tech – Renewable Energy</li> <li>11. M.Tech – Environmental Occupational Health &amp; Safety</li> <li>12. M.Tech - Agricultural Engineering</li> </ul>
<b>MBA</b>	<ul style="list-style-type: none"> <li>1. MBA Regular</li> <li>2. Integrate MBA</li> <li>3. MBA (Agribusiness Management/Entrepreneurship)</li> <li>4. MBA (Master in Hospital Administration)</li> <li>5. MBA (Logistics and Supply Chain Management)</li> <li>6. Dual Degree MBA (Previously MAM)</li> </ul>

#### **4.0 ATTENDANCE**

- 4.1 A student shall be eligible to write University examinations if he acquires a minimum of 75% of attendance in aggregate of all the subjects/courses, and with minimum 50% in each and every course including practicals.
- 4.2 Condonation of shortage of attendance in aggregate up to 10% (65% and above and below 75%) in each semester shall be granted by the College Academic Committee.
- 4.3 Shortage of Attendance **below** 65% in aggregate shall not be condoned and not eligible to write their end semester examination of that class.
- 4.4 Students whose shortage of attendance is not condoned in any semester are not eligible to write their end semester examination of that class.
- 4.5 A prescribed fee shall be payable towards condonation of shortage of attendance.
- 4.6 A student shall not be promoted to the next semester unless, he satisfies the attendance requirement of the present semester, as applicable. They may seek re-admission into that semester when offered next. If any candidate fulfills the attendance requirement in the present semester, he shall not be eligible for re-admission into the same class.

#### **5.0 EVALUATION**

The performance of the candidate in each semester shall be evaluated subject-wise, with a maximum of 100 marks for theory and 100 marks for practical, on the basis of Internal Evaluation and End Semester Examination.

- 5.1 For the theory subjects 75 marks shall be awarded based on the performance in the End Semester Examination and 25 marks shall be awarded based on the Internal Evaluation. The internal evaluation shall be made based on the **average** of the marks secured in the two Mid Term-Examinations conducted-one in the middle of the Semester and the other immediately after the completion of instruction. Each mid term examination shall be conducted for a total duration of 120 minutes with 4 questions (without choice) each question for 10 marks, and it will be reduced to 25 marks. End semester examination is conducted for 75 marks for all FIVE (5) questions (one question from one unit) to be answered (either or).
- 5.2 For practical subjects, 75 marks shall be awarded based on the performance in the End Semester Examinations and 25 marks shall be awarded based on the day-to-day performance as Internal Marks. The internal evaluation based on the day to day work-5 marks, record- 5 marks and the remaining 15 marks to be awarded by conducting an internal laboratory test. The end examination shall be conducted by the examiners, with a breakup marks of Procedure-20, Experimentation-30, Results-10, Viva-voce-15.
- 5.3 For Mini Project with Seminar, a student under the supervision of a faculty member, shall collect the literature on a topic and critically review the literature and submit it to the department in a report form and shall make an oral presentation before the Project Review Committee consisting of Head of the Department, supervisor/mentor and two other senior faculty members of the department. For Mini Project with Seminar, there will be only

internal evaluation of 100 marks. A candidate has to secure a minimum of 50% of marks to be declared successful.

- 5.4 A candidate shall be deemed to have secured the minimum academic requirement in a subject if he secures a minimum of 40% of marks in the End semester Examination and a minimum aggregate of 50% of the total marks in the End Semester Examination and Internal Evaluation taken together.
- 5.5 In case the candidate does not secure the minimum academic requirement in any subject (as specified in 5.4) he has to re-appear for the End semester Examination in that subject. A candidate shall be given **one** chance to re-register for each subject provided the internal marks secured by a candidate **are less than 50% and has failed in the end examination.** In such a case, the candidate must re-register for the subject(s) and secure the required minimum attendance. The candidate's attendance in the re-registered subject(s) shall be calculated separately to decide upon his eligibility for writing the end examination in those subject(s). In the event of the student taking another chance, his internal marks and end examination marks obtained in the previous attempt shall stand cancelled. For re-registration the candidates have to apply to the University through the college by paying the requisite fees and get approval from the University before the start of the semester in which re-registration is required.
- 5.6 In case the candidate secures less than the required attendance in any re-registered subject(s), he shall not be permitted to write the End Examination in that subject. He shall again re-register the subject when next offered.
- 5.7 Laboratory examination for M. Tech. courses must be conducted with two Examiners, one of them being the Laboratory Class Teacher or teacher of the respective college and the second examiner shall be appointed by the University from the panel of examiners submitted by the respective college.

## **6.0 EVALUATION OF PROJECT/DISSERTATION WORK**

Every candidate shall be required to submit a thesis or dissertation on a topic approved by the Project Review Committee.

- 6.1 A Project Review Committee (PRC) shall be constituted with Head of the Department and two other senior faculty members in the department.
- 6.2 Registration of Dissertation/Project Work: A candidate is permitted to register for the project work after satisfying the attendance requirement of all the subjects, both theory and practical.
- 6.3 After satisfying 6.2, a candidate has to submit, in consultation with his project supervisor, the title, objective and plan of action of his project work for approval. The student can initiate the Project work, only after obtaining the approval from the Project Review Committee (PRC).
- 6.4 If a candidate wishes to change his supervisor or topic of the project, he can do so with the approval of the Project Review Committee (PRC). However, the PRC shall examine whether or not the change of topic/supervisor leads to a major change of his initial plans of project proposal. If yes, his date of registration for the project work starts from the date of change of Supervisor or topic as the case may be.
- 6.5 Continuous assessment of Dissertation-I and Dissertation-II during the Semester(s) will be monitored by the PRC.

- 6.6 A candidate shall submit his status report in two stages to the PRC, at least with a gap of 3 months between them.
- 6.7 The work on the project shall be initiated at the beginning of the II year and the duration of the project is two semesters. A candidate is permitted to submit Project Thesis only after successful completion of theory and practical course with the approval of PRC not earlier than 40 weeks from the date of registration of the project work. The candidate has to pass all the theory and practical subjects before submission of the Thesis.
- 6.8 Three copies of the Project Thesis certified by the supervisor shall be submitted to the College/School/Institute.
- 6.9 The thesis shall be adjudicated by one examiner selected by the University. For this, the Principal of the College shall submit a panel of 5 examiners, eminent in that field, with the help of the guide concerned and head of the department.
- 6.10 If the report of the examiner is not favourable, the candidate shall revise and resubmit the Thesis, in the time frame as decided by the PRC. If the report of the examiner is unfavorable again, the thesis shall be summarily rejected. The candidate has to re-register for the project and complete the project within the stipulated time after taking the approval from the University.
- 6.11 The Head of the Department shall coordinate and make arrangements for the conduct of Viva-Voce examination.
- 6.12 If the report of the examiner is favourable, Viva-Voce examination shall be conducted by a board consisting of the Supervisor, Head of the Department and the examiner who adjudicated the Thesis. The Board shall jointly report the candidate's work for a maximum of 100 marks as one of the following:
- A. Excellent
  - B. Good
  - C. Satisfactory
  - D. Unsatisfactory
- 6.13 If the report of the Viva-Voce is unsatisfactory (ie, < 50 marks), the candidate shall retake the Viva-Voce examination only after three months. If he fails to get a satisfactory report at the second Viva-Voce examination, the candidate has to re-register for the project and complete the project within the stipulated time after taking the approval from the University.

## 7.0 Cumulative Grade Point Average (CGPA)

Marks Range Theory/ Laboratory (Max – 100)	Marks Range Mini Project/ Project Work or Dissertation (Max – 100)	Letter Grade	Level	Grade Point
≥ 90	≥ 90	O	Outstanding	10
≥80 to <90	≥80 to <90	S	Excellent	9
≥70 to <80	≥70 to <80	A	Very Good	8
≥60 to <70	≥60 to <70	B	Good	7
≥50 to <60	≥50 to <60	C	Fair	6
≥40 to <50	≥40 to <50	D	Satisfactory	5
<40	<40	F	Fail	0

			Absent	0
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### **Computation of SGPA**

- The following procedure is to be adopted to compute the Semester Grade Point Average(SGPA) and Cumulative Grade Point Average(CGPA):
- The **SGPA** is the ratio of sum of the product of the number of credits with the grade points scored by a student in all the courses taken by a student and the sum of the number of credits of all the courses undergone by a student, i.e
- **SGPA (Si) =  $\sum (C_i \times G_i) / \sum C_i$**
- Where  $C_i$  is the number of credits of the  $i^{\text{th}}$  course and  $G_i$  is the grade point scored by the student in the  $i^{\text{th}}$  course.

### **Computation of CGPA**

- The **CGPA** is also calculated in the same manner taking into account all the courses undergone by a student over all the semester of a Programme, i.e.
- **CGPA =  $\sum (C_i \times S_i) / \sum C_i$**
- Where  $S_i$  is the SGPA of the  $i^{\text{th}}$  semester and  $C_i$  is the total number of credits in that semester.
- The SGPA and CGPA shall be rounded off to 2 decimal points and reported in the transcripts.
- Equivalent Percentage =  $(CGPA - 0.75) \times 10$

## **8.0 AWARD OF DEGREE AND CLASS**

After a student has satisfied the requirements prescribed for the completion of the program and is eligible for the award of M. Tech. Degree he shall be placed in one of the following four classes:

<b>Class Awarded</b>	<b>CGPA to be secured</b>	
First Class with Distinction	$\geq 7.75$	<b>From the CGPA secured from 68 Credits.</b>
First Class	$\geq 6.75$	
Second Class	$\geq 5.75$ to $< 6.75$	
Pass Class	$\geq 4.75$ to $< 5.75$	

The Grades secured, Grade points and Credits obtained will be shown separately in the memorandum of marks.



## **9.0 WITHHOLDING OF RESULTS**

If the student is involved in indiscipline/malpractices/court cases, the result of the student will be withheld.

## **10.0 TRANSITORY REGULATIONS ( for R19 )**

- 10.1 Discontinued or detained candidates are eligible for re-admission into same or equivalent subjects at a time as and when offered.
- 10.2 The candidate who fails in any subject will be given two chances to pass the same subject; otherwise, he has to identify an equivalent subject as per R16 academic regulations.

## **11.0 GENERAL**

- 11.1 Wherever the words “he”, “him”, “his”, occur in the regulations, they include “she”, “her”, “hers”.
- 11.2 The academic regulation should be read as a whole for the purpose of any interpretation.
- 11.3 In the case of any doubt or ambiguity in the interpretation of the above rules, the decision of the Vice-Chancellor is final.
- 11.4 The University may change or amend the academic regulations or syllabi at any time and the changes or amendments made shall be applicable to all the students with effect from the dates notified by the University.

MALPRACTICES RULES

**DISCIPLINARY ACTION FOR / IMPROPER CONDUCT IN EXAMINATIONS**

	<b>Nature of Malpractices/Improper conduct</b>	<b>Punishment</b>
	<i>If the candidate:</i>	
1. (a)	Possesses or keeps accessible in examination hall, any paper, note book, programmable calculators, Cell phones, pager, palm computers or any other form of material concerned with or related to the subject of the examination (theory or practical) in which he is appearing but has not made use of (material shall include any marks on the body of the candidate which can be used as an aid in the subject of the examination)	Expulsion from the examination hall and cancellation of the performance in that subject only.
(b)	Gives assistance or guidance or receives it from any other candidate orally or by any other body language methods or communicates through cell phones with any candidate or persons in or outside the exam hall in respect of any matter.	Expulsion from the examination hall and cancellation of the performance in that subject only of all the candidates involved. In case of an outsider, he will be handed over to the police and a case is registered against him.
2.	Has copied in the examination hall from any paper, book, programmable calculators, palm computers or any other form of material relevant to the subject of the examination (theory or practical) in which the candidate is appearing.	Expulsion from the examination hall and cancellation of the performance in that subject and all other subjects the candidate has already appeared including practical examinations and project work and shall not be permitted to appear for the remaining examinations of the subjects of that Semester/year.  The Hall Ticket of the candidate is to be cancelled and sent to the University.

3.	Impersonates any other candidate in connection with the examination.	The candidate who has impersonated shall be expelled from examination hall. The candidate is also debarred and forfeits the seat. The performance of the original candidate who has been impersonated, shall be cancelled in all the subjects of the examination (including practicals and project work) already appeared and shall not be allowed to appear for examinations of the remaining subjects of that semester/year. The candidate is also debarred for two consecutive semesters from class work and all University examinations. The continuation of the course by the candidate is subject to the academic regulations in connection with forfeiture of seat. If the imposter is an outsider, he will be handed over to the police and a case is registered against him.
4.	Smuggles in the Answer book or additional sheet or takes out or arranges to send out the question paper during the examination or answer book or additional sheet, during or after the examination.	Expulsion from the examination hall and cancellation of performance in that subject and all the other subjects the candidate has already appeared including practical examinations and project work and shall not be permitted for the remaining examinations of the subjects of that semester/year. The candidate is also debarred for two consecutive semesters from class work and all University examinations. The continuation of the course by the candidate is subject to the academic regulations in connection with forfeiture of seat.
5.	Uses objectionable, abusive or offensive language in the answer paper or in letters to the examiners or writes to the examiner requesting him to award pass marks.	Cancellation of the performance in that subject.

6.	<p>Refuses to obey the orders of the Chief Superintendent/Assistant – Superintendent / any officer on duty or misbehaves or creates disturbance of any kind in and around the examination hall or organizes a walk out or instigates others to walk out, or threatens the officer-in charge or any person on duty in or outside the examination hall of any injury to his person or to any of his relations whether by words, either spoken or written or by signs or by visible representation, assaults the officer-in-charge, or any person on duty in or outside the examination hall or any of his relations, or indulges in any other act of misconduct or mischief which result in damage to or destruction of property in the examination hall or any part of the College campus or engages in any other act which in the opinion of the officer on duty amounts to use of unfair means or misconduct or has the tendency to disrupt the orderly conduct of the examination.</p>	<p>In case of students of the college, they shall be expelled from examination halls and cancellation of their performance in that subject and all other subjects the candidate(s) has (have) already appeared and shall not be permitted to appear for the remaining examinations of the subjects of that semester/year. The candidates also are debarred and forfeit their seats. In case of outsiders, they will be handed over to the police and a police case is registered against them.</p>
7.	<p>Leaves the exam hall taking away answer script or intentionally tears of the script or any part thereof inside or outside the examination hall.</p>	<p>Expulsion from the examination hall and cancellation of performance in that subject and all the other subjects the candidate has already appeared including practical examinations and project work and shall not be permitted for the remaining examinations of the subjects of that semester/year. The candidate is also debarred for two consecutive semesters from class work and all University examinations. The continuation of the course by the candidate is subject to the academic regulations in connection with</p>

		forfeiture of seat.
8.	Possess any lethal weapon or firearm in the examination hall.	Expulsion from the examination hall and cancellation of the performance in that subject and all other subjects the candidate has already appeared including practical examinations and project work and shall not be permitted for the remaining examinations of the subjects of that semester/year. The candidate is also debarred and forfeits the seat.
9.	If student of the college, who is not a candidate for the particular examination or any person not connected with the college indulges in any malpractice or improper conduct mentioned in clause 6 to 8.	<p>Student of the colleges expulsion from the examination hall and cancellation of the performance in that subject and all other subjects the candidate has already appeared including practical examinations and project work and shall not be permitted for the remaining examinations of the subjects of that semester/year. The candidate is also debarred and forfeits the seat.</p> <p>Person(s) who do not belong to the College will be handed over to police and, a police case will be registered against them.</p>
10.	Comes in a drunken condition to the examination hall.	Expulsion from the examination hall and cancellation of the performance in that subject and all other subjects the candidate has already appeared including practical examinations and project work and shall not be permitted for the remaining examinations of the subjects of that semester/year.
11.	Copying detected on the basis of internal evidence, such as, during valuation or during special scrutiny.	Cancellation of the performance in that subject and all other subjects the candidate has appeared including practical examinations and project work of that

		semester/year examinations.
12.	If any malpractice is detected which is not covered in the above clauses 1 to 11 shall be reported to the University for further action to award suitable punishment.	

### **Malpractices identified by squad or special invigilators**

1. Punishments to the candidates as per the above guidelines.
2. Punishment for institutions : (if the squad reports that the college is also involved in encouraging malpractices)
  - (i) A show cause notice shall be issued to the college.
  - (ii) Impose a suitable fine on the college.
  - (iii) Shifting the examination centre from the college to another college for a specific period of not less than one year.

# ACADEMIC REGULATIONS

## MASTER OF BUSINESS ADMINISTRATION

(Applicable for the batch admitted from 2019-20)



**JAWAHARLAL NEHRU TECHNOLOGICAL UNIVERSITY:  
KAKINADA  
KAKINADA-533003, Andhra Pradesh (India)**

# ACADEMIC REGULATIONS

Applicable for the students of MBA from the Academic Year 2019-20.

## 1. Duration of the Program

The duration of the program is two academic years consisting of four semesters. However, a student is permitted to complete the course work of MBA program in the stipulated time frame of **FOUR** years from the date of joining.

## 2. Minimum Instruction Days

Each semester consists of a minimum of ninety instruction days.

## 3. Program Credits

MBA program is designed to have a total of 104 credits and the student shall have to complete the two year course work and earn all 104 credits for the award of MBA Degree.

## 4. Attendance Regulations

A student shall be eligible to write University examinations if he acquires a minimum of 75% of attendance in aggregate of all the subjects/courses, and with minimum 50% in each and every course including practicals.

- 4.1 Condonation of shortage of attendance in aggregate up to 10% (65% and above and below 75%) in each semester shall be granted by the College Academic Committee.
- 4.2 Shortage of Attendance **below** 65% in aggregate shall not be condoned and not eligible to write their end semester examination of that class.
- 4.3 Students whose shortage of attendance is not condoned in any semester are not eligible to write their end semester examination of that class.
- 4.4 A prescribed fee shall be payable towards condonation of shortage of attendance.
- 4.5 A student shall not be promoted to the next semester unless, he satisfies the attendance requirement of the present semester, as applicable. They may seek re-admission into that semester when offered next. If any candidate fulfills the attendance requirement in the present semester, he shall not be eligible for re-admission into the same class.



## 5. Examinations and Scheme of Evaluation

### Theory Courses

Each theory course shall be evaluated for a total of 100 marks, consisting of 25 marks for internal assessment and 75 marks for end semester examination.

### *Internal Assessment*

- i) 25 marks for internal assessment, 10 marks are for seminar / presentation and 15 marks are based on **average** of two mid-term examinations.
- ii) 10 marks for presentation (5 marks are for report content and 5 marks are for presentation).
- iii) Each mid-term examination is conducted for 15 marks with one and half hours (90mins) duration. Each mid-term examination consists of three questions, each for 5 marks. All the questions need to be answered.
- iv) The final marks are the sum of average of two mid-term examinations for 15 marks and 10 Marks for presentation.

### *External Assessment*

The semester end examination shall be conducted for a duration of three hours with 5 questions and one case study which is compulsory. All questions are to be answered and for each question has “**either or**” option except case study. All 5 questions carries 12 marks each and case study carries 15 marks, total becomes 75 marks.

### Laboratory Course

- i) For practical subjects the distribution shall be 20 marks for Internal Evaluation and 30 marks for the end semester examinations. There shall be continuous evaluation by the internal subject teacher during the semester for 20 internal marks. Out of 20 marks for internal, 10 marks shall be for day-to-day performance (5 marks for day-to-day evaluation and 5 marks for Record) and 10marks shall be evaluated by conducting an internal test conducted at the end of semester.

- ii) End semester laboratory examination shall be conducted for 30 marks with two Examiners, one of them being the Laboratory Class Teacher or teacher of the respective college and the second examiner shall be appointed by the University from the panel of examiners submitted by the respective college, with a break-up marks of Procedure-5, Experimentation-15, Results-5, Viva-voce-5.

### **Comprehensive Viva-Voce**

Comprehensive Viva-Voce examination is conducted in all the subjects of four semesters of the course for 50 marks (internal evaluation only) at the end of fourth semester by a committee consisting of **two** senior faculty members of the department along with HOD.

### **Project Work**

- i) The final project work shall be carried out during the 3<sup>rd</sup> semester and will be evaluated for 100 marks.
- ii) Out of 100 marks, 50 marks shall be for dissertation and 50 marks for the project Viva-Voce. Both are evaluated by the Board of Evaluators (BOE). BOE, which comprises of External Examiner appointed/nominated by the University, Head of the Department and Internal project guide.
- iii) Each student shall give one internal seminar (pre talk) on the topic of his/her project as a prerequisite for submission of the final project report. He needs to submit plagiarism report (not exceeding 30% similarity) along with the guide certificate in the final project report.

### **(a) Eligibility for Award of MBA Degree**

A student will be declared eligible for the award of the MBA Degree if he fulfills the following academic regulations.

- (b) Pursued a course of study for not less than two academic years and not more than four academic years.
- (c) Registered for **104** credits and secured **104** credits.
- (d) Students, who fail to complete their Two years Course of study within Four years or fail to acquire the **104** Credits for the award of the degree within four academic years from the year of their

admission shall **forfeit** their seat in MBA course and their admission shall stands cancelled.

## 6. Criteria for Passing a Course and Award of Grades

### A) Criteria for Passing a Course

- i) A candidate shall be deemed to have secured the minimum academic requirement in a subject if he secures a minimum of 40% of marks in the End semester Examination and a minimum aggregate of 50% of the total marks in the End Semester Examination and Internal Evaluation taken together.
- ii) A candidate shall be declared to have passed in comprehensive viva-voce, if he secures a minimum of 50% marks.
- iii) In case the candidate does not secure the minimum academic requirement in any subject (as specified in i & ii above) he has to re-appear for the End semester Examination in that subject. A candidate shall be given **one** chance to re-register for each subject provided the internal marks secured by a candidate **are less than 50% and has failed in the end examination.** In such a case, the candidate must re-register for the subject(s) and secure the required minimum attendance. The candidate's attendance in the re-registered subject(s) shall be calculated separately to decide upon his eligibility for writing the end examination in those subject(s). In the event of the student taking another chance, his internal marks and end examination marks obtained in the previous attempt shall **stands cancelled.** For re-registration the candidates have to apply to the University through the college by paying the requisite fees and get approval from the University before the start of the semester in which the re-registration is required.

### B) Method of Awarding Letter Grade and Grade Points for a Course

A letter grade and grade points will be awarded to a student in each course based on his performance as per the grading system given below.

## 7. Cumulative Grade Point Average (CGPA)

Marks Range Theory / Project Work (Max – 100)	Marks Range Laboratory/ Comprehensive Viva- Voce (Max – 50)	Letter Grade	Level	Grade Point
≥ 90	≥ 45	O	Outstanding	10
≥80 to <90	≥40 to <45	S	Excellent	9
≥70 to <80	≥35 to <40	A	Very Good	8
≥60 to <70	≥30 to <35	B	Good	7
≥50 to <60	≥25 to <30	C	Fair	6
≥40 to <50	≥20 to <25	D	Satisfactory	5
<40	<20	F	Fail	0
			Absent	0

## 8. Computation of SGPA

- The following procedure is to be adopted to compute the Semester Grade Point Average(SGPA) and Cumulative Grade Point Average(CGPA):
- The **SGPA** is the ratio of sum of the product of the number of credits with the grade points scored by a student in all the courses taken by a student and the sum of the number of credits of all the courses undergone by a student, i.e
- **SGPA (Si) =  $\sum (C_i \times G_i) / \sum C_i$**
- Where  $C_i$  is the number of credits of the  $i$ th course and  $G_i$  is the grade point scored by the student in the  $i$ th course.

### Computation of CGPA

- The **CGPA** is also calculated in the same manner taking into account all the courses undergone by a student over all the semester of a Programme, i.e.
- **CGPA =  $\sum (C_i \times S_i) / \sum C_i$**
- Where  $S_i$  is the SGPA of the  $i^{\text{th}}$  semester and  $C_i$  is the total number of credits in that semester.
- The SGPA and CGPA shall be rounded off to 2 decimal points and reported in the transcripts.
- Equivalent Percentage = (CGPA – 0.75) x 10

## 9. AWARD OF DEGREE AND CLASS

After a student has satisfied the requirements prescribed for the completion of the program and is eligible for the award of M. Tech. Degree he shall be placed in one of the following four classes:

<b>Class Awarded</b>	<b>CGPA to be secured</b>	
First Class with Distinction	$\geq 7.75$	<b>From the CGPA secured from 68 Credits.</b>
First Class	$\geq 6.75$	
Second Class	$\geq 5.75$ to $< 6.75$	
Pass Class	$\geq 4.75$ to $< 5.75$	

The Grades secured, Grade points and Credits obtained will be shown separately in the memorandum of marks.

### 1. WITHHOLDING OF RESULTS

If the student is involved in indiscipline/malpractices/court cases, the result of the student will be withheld.

### 2. **Supplementary Examinations**

i) Supplementary examinations will be conducted twice in a year at the end of odd and even semesters as per the University norms & Regulations.

#### ii) **Advanced Supplementary Examinations:**

Candidate(s), who failed in theory / comprehensive Viva-Voce / project work courses in 4<sup>th</sup> semester can appear for advanced supplementary examination may be conducted as per the University norms & Regulations.

### 3. **Revaluation**

As per the norms of the University.

## **10. TRANSITORY REGULATIONS ( for R19 )**

- 10.1 Discontinued or detained candidates are eligible for re-admission into same or equivalent subjects at a time as and when offered.
- 10.2 The candidate who fails in any subject will be given two chances to pass the same subject; otherwise, he has to identify an equivalent subject as per R16 academic regulations.

## **11. GENERAL**

- 11.1 Wherever the words “he”, “him”, “his”, occur in the regulations, they include “she”, “her”, “hers”.
- 11.2 The academic regulation should be read as a whole for the purpose of any interpretation.
- 11.3 In the case of any doubt or ambiguity in the interpretation of the above rules, the decision of the Vice-Chancellor is final.
- 11.4 The University may change or amend the academic regulations or syllabi at any time and the changes or amendments made shall be applicable to all the students with effect from the dates notified by the University.

**MALPRACTICES RULES  
DISCIPLINARY ACTION FOR / IMPROPER CONDUCT IN  
EXAMINATIONS**

	<b>Nature of Malpractices/Improper conduct</b>	<b>Punishment</b>
	<i>If the candidate:</i>	
1. (a)	Possesses or keeps accessible in examination hall, any paper, note book, programmable calculators, Cell phones, pager, palm computers or any other form of material concerned with or related to the subject of the examination (theory or practical) in which he is appearing but has not made use of (material shall include any marks on the body of the candidate which can be used as an aid in the subject of the examination)	Expulsion from the examination hall and cancellation of the performance in that subject only.
(b)	Gives assistance or guidance or receives it from any other candidate orally or by any other body language methods or communicates through cell phones with any candidate or persons in or outside the exam hall in respect of any matter.	Expulsion from the examination hall and cancellation of the performance in that subject only of all the candidates involved. In case of an outsider, he will be handed over to the police and a case is registered against him.
2.	Has copied in the examination hall from any paper, book, programmable calculators,	Expulsion from the examination hall and cancellation of the performance in that subject and all other subjects the candidate

	<p>palm computers or any other form of material relevant to the subject of the examination (theory or practical) in which the candidate is appearing.</p>	<p>has already appeared including practical examinations and project work and shall not be permitted to appear for the remaining examinations of the subjects of that Semester/year.</p> <p>The Hall Ticket of the candidate is to be cancelled and sent to the University.</p>
<p>3.</p>	<p>Impersonates any other candidate in connection with the examination.</p>	<p>The candidate who has impersonated shall be expelled from examination hall. The candidate is also debarred and forfeits the seat. The performance of the original candidate who has been impersonated, shall be cancelled in all the subjects of the examination (including practicals and project work) already appeared and shall not be allowed to appear for examinations of the remaining subjects of that semester/year. The candidate is also debarred for two consecutive semesters from class work and all University examinations. The continuation of the course by the candidate is subject to the academic regulations in connection with forfeiture of seat. If the imposter is an outsider, he will be handed over to the police and a case is registered against him.</p>



4.	Smuggles in the Answer book or additional sheet or takes out or arranges to send out the question paper during the examination or answer book or additional sheet, during or after the examination.	Expulsion from the examination hall and cancellation of performance in that subject and all the other subjects the candidate has already appeared including practical examinations and project work and shall not be permitted for the remaining examinations of the subjects of that semester/year. The candidate is also debarred for two consecutive semesters from class work and all University examinations. The continuation of the course by the candidate is subject to the academic regulations in connection with forfeiture of seat.
5.	Uses objectionable, abusive or offensive language in the answer paper or in letters to the examiners or writes to the examiner requesting him to award pass marks.	Cancellation of the performance in that subject.
6.	Refuses to obey the orders of the Chief Superintendent/Assistant – Superintendent / any officer on duty or misbehaves or creates disturbance of any kind in and around the examination hall or organizes a walk out or instigates others to walk out, or threatens the officer-in charge or any	In case of students of the college, they shall be expelled from examination halls and cancellation of their performance in that subject and all other subjects the candidate(s) has (have) already appeared and shall not be permitted to appear for the remaining examinations of the subjects of that semester/year. The candidates also are debarred and forfeit their seats.

<p>person on duty in or outside the examination hall of any injury to his person or to any of his relations whether by words, either spoken or written or by signs or by visible representation, assaults the officer-in-charge, or any person on duty in or outside the examination hall or any of his relations, or indulges in any other act of misconduct or mischief which result in damage to or destruction of property in the examination hall or any part of the College campus or engages in any other act which in the opinion of the officer on duty amounts to use of unfair means or misconduct or has the tendency to disrupt the orderly conduct of the examination.</p>	<p>In case of outsiders, they will be handed over to the police and a police case is registered against them.</p>
<p>7. Leaves the exam hall taking away answer script or intentionally tears of the script or any part thereof inside or outside the examination hall.</p>	<p>Expulsion from the examination hall and cancellation of performance in that subject and all the other subjects the candidate has already appeared including practical examinations and project work and shall not be permitted for the remaining examinations of the subjects of that semester/year. The</p>

		candidate is also debarred for two consecutive semesters from class work and all University examinations. The continuation of the course by the candidate is subject to the academic regulations in connection with forfeiture of seat.
8.	Possess any lethal weapon or firearm in the examination hall.	Expulsion from the examination hall and cancellation of the performance in that subject and all other subjects the candidate has already appeared including practical examinations and project work and shall not be permitted for the remaining examinations of the subjects of that semester/year. The candidate is also debarred and forfeits the seat.
9.	If student of the college, who is not a candidate for the particular examination or any person not connected with the college indulges in any malpractice or improper conduct mentioned in clause 6 to 8.	Student of the colleges expulsion from the examination hall and cancellation of the performance in that subject and all other subjects the candidate has already appeared including practical examinations and project work and shall not be permitted for the remaining examinations of the subjects of that semester/year. The candidate is also debarred and forfeits the seat.  Person(s) who do not belong to the College will be handed over to police and, a police case will be registered against them.

10.	Comes in a drunken condition to the examination hall.	Expulsion from the examination hall and cancellation of the performance in that subject and all other subjects the candidate has already appeared including practical examinations and project work and shall not be permitted for the remaining examinations of the subjects of that semester/year.
11.	Copying detected on the basis of internal evidence, such as, during valuation or during special scrutiny.	Cancellation of the performance in that subject and all other subjects the candidate has appeared including practical examinations and project work of that semester/year examinations.
12.	If any malpractice is detected which is not covered in the above clauses 1 to 11 shall be reported to the University for further action to award suitable punishment.	

### **Malpractices identified by squad or special invigilators**

1. Punishments to the candidates as per the above guidelines.
2. Punishment for institutions : (if the squad reports that the college is also involved in encouraging malpractices)
  - (i) A show cause notice shall be issued to the college.
  - (ii) Impose a suitable fine on the college.
  - (iii) Shifting the examination centre from the college to another college for a specific period of not less than one Year

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## DEPARTMENT OF MECHANICAL ENGINEERING

### PROJECT REVIEW MEETING-I MARKS

DATE-05-03-2024

S.No	ROLL NUMBER	NAME OF THE STUDENT	NAME OF THE FACULTY			TOTAL(60)
			P.SRINIVASRAO (20)	M.V.U.B.RAO (20)	T.MASTANAIAH (20)	
1	20NQ1A0301	BATTULA HARSHA VARDHAN	16	17	17	50
2	20NQ1A0303	GUGULOTH SARATH KUMAR	18	18	18	54
3	20NQ1A0305	LINGINENI MANIKANTA ESWAR	17	16	17	50
4	20NQ1A0306	NAGISETTY BOLA VENKATA SAI	18	15	18	51
5	21NQ5A0301	DAGAPAPULLA SAI DINESH	16	16	16	48
6	21NQ5A0302	GUDISEVA CHAKRADHAR	18	16	17	51
7	21NQ5A0303	JEETHAM VENKATESH	17	17	18	52
8	21NQ5A0304	KAITHEPALLI CHANIKYA	16	16	18	50
9	21NQ5A0305	KOTLA VAMSII DURGA PRASAD	17	18	16	51
10	21NQ5A0307	MIRYALA HARI KIRAN	18	16	17	51
11	21NQ5A0308	MOGHAL AMIR BAIG	16	17	18	51
12	21NQ5A0309	MUKKU SURESH	17	16	17	50
13	21NQ5A0310	PACHIGOLLA MUKHESH	16	17	18	51
14	21NQ5A0311	PODTHULA SIVA NARESH KUMAR	17	16	17	50

*Rana*

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15	21NQ5A0312	RAGOLU LAKSHMI KIRAN	18	16	17	52
16	21NQ5A0313	SHAIK ARIF	16	17	17	50
17	21NQ5A0314	TUNGALA LEELA SIVA REVANTH KUMAR	17	16	16	49
18	21NQ5A0315	VADLAMUDI JAYARAM	16	18	15	49
19	21NQ5A0316	VARADA SIVA SATYA GANESH	16	16	17	49
20	21NQ5A0317	YERRA PAVAN	17	17	16	50

*SRP*

PROJECT COORDINATOR

*Ho*  
HEAD OF THE DEPARTMENT



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## DEPARTMENT OF MECHANICAL ENGINEERING

### PROJECT REVIEW MEETING-MARKS

DATE-18-04-2024

S.No	ROLL NUMBER	NAME OF THE STUDENT	NAME OF THE FACULTY			TOTAL(60)
			P.SRINIVASRAO (20)	M.V.U.B.RAO (20)	T.MASTANAIAH (20)	
1	20NQ1A0301	BATTULA HARSHA VARDHAN	18	16	17	51
2	20NQ1A0303	GUGULOTH SARATH KUMAR	16	17	18	51
3	20NQ1A0305	LINGINENI MANIKANTA ESWAR	16	16	18	50
4	20NQ1A0306	NAGISETTY BOLA VENKATA SAI	16	16	18	50
5	21NQ5A0301	DAGAPAPULLA SAI DINESH	17	17	17	51
6	21NQ5A0302	GUDISEVA CHAKRADHAR	18	18	16	52
7	21NQ5A0303	JEETHAM VENKATESH	16	16	17	49
8	21NQ5A0304	KAITHEPALLI CHANIKYA	17	18	18	53
9	21NQ5A0305	KOTLA VAMSI DURGA PRASAD	18	16	17	51
10	21NQ5A0307	MIRYALA HARI KIRAN	16	18	18	52
11	21NQ5A0308	MOGHAL AMIR BAIG	16	18	16	50
12	21NQ5A0309	MUKKU SURESH	17	16	17	50
13	21NQ5A0310	PACHIGOLLA MUKHESH	16	17	18	51
14	21NQ5A0311	PODTHULA SIVA NARESH KUMAR	17	16	17	50

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15	21NQ5A0312	RAGOLU LAKSHMI KIRAN	17	18	16	51
16	21NQ5A0313	SHAIK ARIF	17	16	17	50
17	21NQ5A0314	TUNGALA LEELA SIVA REVANTH KUMAR	16	17	18	51
18	21NQ5A0315	VADLAMUDI JAYARAM	18	16	17	51
19	21NQ5A0316	VARADA SIVA SATYA GANESH	17	17	18	52
20	21NQ5A0317	YERRA PAVAN	16	16	18	49

*SRP*

PROJECT COORDINATOR

*the*  
HEAD OF THE DEPARTMENT



# VIKAS COLLEGE OF ENGINEERING AND TECHNOLOGY

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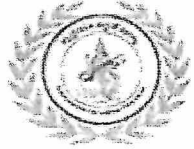
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## Students Feedback on Curriculum

Date of Feedback:	19/4/24				
Name of the Student	B. Kalyan Kumar				
Course [✓]	Diploma	B.Tech.,	M.Tech.,	MBA	A.Y
		✓			
Regd No	20NR1A3503	Branch / Specialization		AGE	

This questionnaire is attended to collect information relating to your satisfaction towards the curriculum, learning and evaluation. The information provided by you will be kept confidential and will be used as feedback for quality improvement of the program of studies/institution.

**Directions:** a score for each item please indicate your level of satisfaction with the following statement by choosing between 1 and 5.

\*Rating Score: Excellent (4), Very Good (3), Good (2), Average (1).

S.No	Curriculum Parameters	4	3	2	1
1	Syllabus is suitable to the Course	✓			
2	Syllabus is need based.	✓			
3	Aims and Objectives of the syllabus are well defined and clear to all students.	✓			
4	Course content is followed by prescribed text/reference materials.	✓			
5	Sufficient numbers of prescribed books are available in the Library.	✓			
6	The course/syllabus has good balance between theory and practical's/application.		✓		
7	The course/syllabus has made me interested in the subject area.		✓		
8	The course/syllabus of this subject increased my knowledge and perspective in the subject area.		✓		
9	The course/program of studies carries sufficient number of optional papers.		✓		

Any suggestions:

Kalyan  
Signature

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## Students Feedback on Curriculum

Date of Feedback:	B-An 19/4/24				
Name of the Student	B. Anjani Kumari				
Course [√]	Diploma	B.Tech.,	M.Tech.,	MBA	A.Y
		✓			
Regd No	20NQ1A3504	Branch / Specialization		A G E	

This questionnaire is attended to collect information relating to your satisfaction towards the curriculum, learning and evaluation. The information provided by you will be kept confidential and will be used as feedback for quality improvement of the program of studies/institution.

**Directions:** a score for each item please indicate your level of satisfaction with the following statement by choosing between 1 and 5.

\*Rating Score: Excellent (4), Very Good (3), Good (2), Average (1).

S.No	Curriculum Parameters	4	3	2	1
1	Syllabus is suitable to the Course		✓		
2	Syllabus is need based.		✓		
3	Aims and Objectives of the syllabus are well defined and clear to all students.		✓		
4	Course content is followed by prescribed text/reference materials.		✓		
5	Sufficient numbers of prescribed books are available in the Library.		✓		
6	The course/syllabus has good balance between theory and practical's/application.		✓		
7	The course/syllabus has made me interested in the subject area.	✓			
8	The course/syllabus of this subject increased my knowledge and perspective in the subject area.		✓		
9	The course/program of studies carries sufficient number of optional papers.	✓			

Any suggestions:

B. Anjani  
Signature

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## Students Feedback on Curriculum

Date of Feedback:	10/5/24				
Name of the Student	NAKKA SANJANI				
Course [√]	Diploma	B.Tech.,	M.Tech.,	MBA	A.Y
		✓			
Regd No	20NQ1A0112	Branch / Specialisation		CIVIL	

This questionnaire is attended to collect information relating to your satisfaction towards the curriculum, learning and evaluation. The information provided by you will be kept confidential and will be used as feedback for quality improvement of the program of studies/institution.

**Directions:** a score for each item please indicate your level of satisfaction with the following statement by choosing between 1 and 5.

\*Rating Score: Excellent (4), Very Good (3), Good (2), Average (1).

S.No	Curriculum Parameters	4	3	2	1
1	Syllabus is suitable to the Course	✓			
2	Syllabus is need based.		✓		
3	Aims and Objectives of the syllabus are well defined and clear to all students.			✓	
4	Course content is followed by prescribed text/reference materials.		✓		
5	Sufficient numbers of prescribed books are available in the Library.	✓			
6	The course/syllabus has good balance between theory and practical's/application.		✓		
7	The course/syllabus has made me interested in the subject area.		✓		
8	The course/syllabus of this subject increased my knowledge and perspective in the subject area.		✓		
9	The course/program of studies carries sufficient number of optional papers.			✓	

Any suggestions:

N. Sanjani

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## Students Feedback on Curriculum

Date of Feedback:	10/5/24				
Name of the Student	G. Satyanarayana				
Course [√]	Diploma	B.Tech.,	M.Tech.,	MBA	A.Y
		✓			
Regd No	22NQ5A0103	Branch / Specialisation		CIVIL	

This questionnaire is attended to collect information relating to your satisfaction towards the curriculum, learning and evaluation. The information provided by you will be kept confidential and will be used as feedback for quality improvement of the program of studies/institution.

**Directions:** a score for each item please indicate your level of satisfaction with the following statement by choosing between 1 and 5.

\*Rating Score: Excellent (4), Very Good (3), Good (2), Average (1).

S.No	Curriculum Parameters	4	3	2	1
1	Syllabus is suitable to the Course		✓		
2	Syllabus is need based.	✓			
3	Aims and Objectives of the syllabus are well defined and clear to all students.	✓			
4	Course content is followed by prescribed text/reference materials.		✓		
5	Sufficient numbers of prescribed books are available in the Library.	✓			
6	The course/syllabus has good balance between theory and practical's/application.			✓	
7	The course/syllabus has made me interested in the subject area.	✓			
8	The course/syllabus of this subject increased my knowledge and perspective in the subject area.		✓		
9	The course/program of studies carries sufficient number of optional papers.		✓		

Any suggestions:

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## Students Feedback on Curriculum

Date of Feedback:		20-05-24.			
Name of the Student		A. Kishore			
Course [√]	Diploma	B.Tech.,	M.Tech.,	MBA	A.Y
		✓			
Regd No	20NNA0801	Branch / Specialisation		EEE	

This questionnaire is attended to collect information relating to your satisfaction towards the curriculum, learning and evaluation. The information provided by you will be kept confidential and will be used as feedback for quality improvement of the program of studies/institution.

**Directions:** a score for each item please indicate your level of satisfaction with the following statement by choosing between 1 and 5.

\*Rating Score: Excellent (4), Very Good (3), Good (2), Average (1).

S.No	Curriculum Parameters	4	3	2	1
1	Syllabus is suitable to the Course	✓			
2	Syllabus is need based.			✓	
3	Aims and Objectives of the syllabus are well defined and clear to all students.	✓			
4	Course content is followed by prescribed text/reference materials.		✓		
5	Sufficient numbers of prescribed books are available in the Library.				✓
6	The course/syllabus has good balance between theory and practical's/application.	✓			
7	The course/syllabus has made me interested in the subject area.		✓		
8	The course/syllabus of this subject increased my knowledge and perspective in the subject area.	✓			
9	The course/program of studies carries sufficient number of optional papers.		✓		

Any suggestions:

A. Kishore

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## Students Feedback on Curriculum

Date of Feedback:	20-05-24				
Name of the Student	T. BHARGAV				
Course [√]	Diploma	B.Tech.,	M.Tech.,	MBA	A.Y
		✓			
Regd No	20N91A0203	Branch / Specialisation		EEE	

This questionnaire is attended to collect information relating to your satisfaction towards the curriculum, learning and evaluation. The information provided by you will be kept confidential and will be used as feedback for quality improvement of the program of studies/institution.

**Directions:** a score for each item please indicate your level of satisfaction with the following statement by choosing between 1 and 5.

\*Rating Score: Excellent (4), Very Good (3), Good (2), Average (1).

S.No	Curriculum Parameters	4	3	2	1
1	Syllabus is suitable to the Course	✓			
2	Syllabus is need based.		✓		
3	Aims and Objectives of the syllabus are well defined and clear to all students.	✓			
4	Course content is followed by prescribed text/reference materials.			✓	
5	Sufficient numbers of prescribed books are available in the Library.	✓			
6	The course/syllabus has good balance between theory and practical's/application.		✓		
7	The course/syllabus has made me interested in the subject area.	✓			
8	The course/syllabus of this subject increased my knowledge and perspective in the subject area.		✓		
9	The course/program of studies carries sufficient number of optional papers.	✓			

Any suggestions:

T. Bhargava





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## Students Feedback on Curriculum

Date of Feedback:	09-05-2024				
Name of the Student	BAND REDDY Venkata Chaitanya				
Course [✓]	Diploma	B.Tech.,	M.Tech.,	MBA	A.Y
					2023-24
Regd No	22N05A0302	Branch / Specialization		ME	

This questionnaire is attended to collect information relating to your satisfaction towards the curriculum, learning and evaluation. The information provided by you will be kept confidential and will be used as feedback for quality improvement of the program of studies/institution.

**Directions:** a score for each item please indicate your level of satisfaction with the following statement by choosing between 1 and 5.

\*Rating Score: Excellent (4), Very Good (3), Good (2), Average (1).

S.No	Curriculum Parameters	4	3	2	1
1	Syllabus is suitable to the Course	✓			
2	Syllabus is need based.	✓			
3	Aims and Objectives of the syllabus are well defined and clear to all students.		✓		
4	Course content is followed by prescribed text/reference materials.	✓			
5	Sufficient numbers of prescribed books are available in the Library.		✓		
6	The course/syllabus has good balance between theory and practical's/application.	✓			
7	The course/syllabus has made me interested in the subject area.	✓			
8	The course/syllabus of this subject increased my knowledge and perspective in the subject area.		✓		
9	The course/program of studies carries sufficient number of optional papers.	✓			

Any suggestions:

P. S. Suresh  
Signature

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## Students Feedback on Curriculum

Date of Feedback:	09/05/2024.				
Name of the Student	GOLLAVILLI-NEVANTH.				
Course [√]	Diploma	B.Tech.,	M.Tech.,	MBA	A.Y
		✓			2023- 2024
Regd No	22NQ5A0303.	Branch / Specialization		ME.	

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2	Syllabus is need based.	✓			
3	Aims and Objectives of the syllabus are well defined and clear to all students.		✓		
4	Course content is followed by prescribed text/reference materials.	✓			
5	Sufficient numbers of prescribed books are available in the Library.		✓		
6	The course/syllabus has good balance between theory and practical's/application.		✓		
7	The course/syllabus has made me interested in the subject area.	✓			
8	The course/syllabus of this subject increased my knowledge and perspective in the subject area.		✓		
9	The course/program of studies carries sufficient number of optional papers.	✓			

Any suggestions:

G. NEVANTH  
Signature



# VIKAS COLLEGE OF ENGINEERING AND TECHNOLOGY



(Sponsored by SARASWATHI VIDYA PEETAM)  
(Approved by AICTE, New Delhi & Affiliated to JNTUK, Kakinada)  
Certified by ISO 9001:2015; Accredited by NAAC with 'B+' Grade.  
NUNNA-521212, Vijayawada Rural, N.T.R Dt., A.P. India.  
Phone: 0866-2469201 Fax: 0866-2469203



E-mail-principal.vcet@gmail.com, Website: <http://www.vikas-institutionsnunna.org/>

## Students Feedback on Curriculum

<b>Date of Feedback:</b>		10-05-2024			
<b>Name of the Student</b>		G. Shiny			
<b>Course [√]</b>	<b>Diploma</b>	<b>B.Tech.,</b>	<b>M.Tech.,</b>	<b>MBA</b>	<b>A.Y</b>
		✓			
<b>Regd No</b>	20ND1A0408	<b>Branch / Specialization</b>		ECE	

This questionnaire is attended to collect information relating to your satisfaction towards the curriculum, learning and evaluation. The information provided by you will be kept confidential and will be used as feedback for quality improvement of the program of studies/institution.

**Directions:** a score for each item please indicate your level of satisfaction with the following statement by choosing between 1 and 5.

\*Rating Score: Excellent (4), Very Good (3), Good (2), Average (1).

S.No	Curriculum Parameters	4	3	2	1
1	Syllabus is suitable to the Course	✓			
2	Syllabus is need based.	✓			
3	Aims and Objectives of the syllabus are well defined and clear to all students.		✓		
4	Course content is followed by prescribed text/reference materials.	✓			
5	Sufficient numbers of prescribed books are available in the Library.		✓		
6	The course/syllabus has good balance between theory and practical's/application.	✓			
7	The course/syllabus has made me interested in the subject area.	✓			
8	The course/syllabus of this subject increased my knowledge and perspective in the subject area.		✓		
9	The course/program of studies carries sufficient number of optional papers.	✓			

Any suggestions:

  
Signature

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E-mail-principal,vcet@gmail.com, Website: <http://www.vikasinstitutionssunna.org/>

## Students Feedback on Curriculum

Date of Feedback:	10-05-2024				
Name of the Student	B. kumar				
Course [✓]	Diploma	B.Tech.,	M.Tech.,	MBA	A.Y
		✓			
Regd No	20N91A0402	Branch / Specialization		ECE	

This questionnaire is attended to collect information relating to your satisfaction towards the curriculum, learning and evaluation. The information provided by you will be kept confidential and will be used as feedback for quality improvement of the program of studies/institution.

**Directions:** a score for each item please indicate your level of satisfaction with the following statement by choosing between 1 and 5.

\*Rating Score: Excellent (4), Very Good (3), Good (2), Average (1).

S.No	Curriculum Parameters	4	3	2	1
1	Syllabus is suitable to the Course	✓			
2	Syllabus is need based.		✓		
3	Aims and Objectives of the syllabus are well defined and clear to all students.	✓	4		
4	Course content is followed by prescribed text/reference materials.	✓			
5	Sufficient numbers of prescribed books are available in the Library.		✓		
6	The course/syllabus has good balance between theory and practical's/application.	✓			
7	The course/syllabus has made me interested in the subject area.		✓		
8	The course/syllabus of this subject increased my knowledge and perspective in the subject area.	✓			
9	The course/program of studies carries sufficient number of optional papers.		✓		

Any suggestions:

B. Kumar  
Signature

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## Students Feedback on Curriculum

Date of Feedback:		20-05-2024			
Name of the Student		Gr. Sal Akhila			
Course	Diploma	B.Tech	M.Tech	MBA	A. Y
<input checked="" type="checkbox"/>				<input checked="" type="checkbox"/>	2023-24
Regd No	22ND1E0011		Branch / Specialization		H.R.m

This questionnaire is attended to collect information relating to your satisfaction towards the curriculum, learning and evaluation. The information provided by you will be kept confidential and will be used as feedback for quality improvement of the program of studies/institution.

**Directions:** a score for each item please indicate your level of satisfaction with the following statement by choosing between 1 and 5.

\*Rating Score: Excellent (4), Very Good (3), Good (2), Average (1).

S.No	Curriculum Parameters	4	3	2	1
1	Syllabus is suitable to the Course	<input checked="" type="checkbox"/>			
2	Syllabus is need based.		<input checked="" type="checkbox"/>		
3	Aims and Objectives of the syllabus are well defined and clear to all students.	<input checked="" type="checkbox"/>			
4	Course content is followed by prescribed text/reference materials.			<input checked="" type="checkbox"/>	
5	Sufficient numbers of prescribed books are available in the library.	<input checked="" type="checkbox"/>			
6	The course/syllabus has good balance between theory and practical's/application.		<input checked="" type="checkbox"/>		
7	The course/syllabus has made me interested in the subject area.			<input checked="" type="checkbox"/>	
8	The course/syllabus of this subject increased my knowledge and perspective in the subject area.		<input checked="" type="checkbox"/>		
9	The course/program of studies carries sufficient number of optional papers.	<input checked="" type="checkbox"/>			

Any suggestions:

*Gr. Sal Akhila*  
 Signature

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## Students Feedback on Curriculum

Date of Feedback:		20-05-24			
Name of the Student		N. Saanya			
Course	Diploma	B.Tech	M.Tech	MBA	A. Y
<input checked="" type="checkbox"/>				<input checked="" type="checkbox"/>	2023-2024
Regd No	22NA1E0013		Branch / Specialization		Finance

This questionnaire is attended to collect information relating to your satisfaction towards the curriculum, learning and evaluation. The information provided by you will be kept confidential and will be used as feedback for quality improvement of the program of studies/institution.

**Directions:** a score for each item please indicate your level of satisfaction with the following statement by choosing between 1 and 5.

\*Rating Score: Excellent (4), Very Good-(3), Good (2), Average (1).

S.No	Curriculum Parameters	4	3	2	1
1	Syllabus is suitable to the Course	<input checked="" type="checkbox"/>			
2	Syllabus is need based.		<input checked="" type="checkbox"/>		
3	Aims and Objectives of the syllabus are well defined and clear to all students.	<input checked="" type="checkbox"/>			
4	Course content is followed by prescribed text/reference materials.		<input checked="" type="checkbox"/>		
5	Sufficient numbers of prescribed books are available in the library.			<input checked="" type="checkbox"/>	
6	The course/syllabus has good balance between theory and practical's/application.		<input checked="" type="checkbox"/>		
7	The course/syllabus has made me interested in the subject area.	<input checked="" type="checkbox"/>			
8	The course/syllabus of this subject increased my knowledge and perspective in the subject area.		<input checked="" type="checkbox"/>		
9	The course/program of studies carries sufficient number of optional papers.			<input checked="" type="checkbox"/>	

Any suggestions:

N. Saanya  
Signature