

AN URBAN TRIP PROGRAMME ON  
Bio-Signal Processing &  
Measurements  
and Computing Everywhere  
20-22 November 2015



**VIGNANS**  
FOUNDATION FOR SCIENCE,  
TECHNOLOGY AND RESEARCH  
(Declared to be Deemed University u/s 3 of Act 1956)

# CERTIFICATE OF PARTICIPATION

This is to certify that Prof./Dr./Mr./Ms. **B. Venkateswara Reddy**.....


of **MKAA Engineering College & Technology**, has attended a Three day Faculty


Development Programme on "Bio-Signal Processing & Measurements and

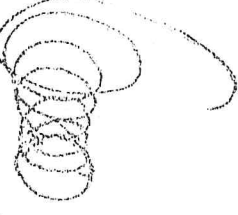
Computing Everywhere" from 20-22 November 2015 at Department of

Electronics and Communication Engineering, Vignans Foundation for Science,

Technology and Research, Vadlamudi, Guntur-522215.

  
Mr. T. Pitchalaiah  
Co-ordinator

  
Dr. N. Usha Rani  
HOD, ECE

  
Dr. V. Madhusudhan Rao  
Dean, E & M





**JAWAHARLAL NEHRU TECHNOLOGICAL UNIVERSITY**  
**UNIVERSITY COLLEGE OF ENGINEERING KAKINADA (A)**  
**DEPARTMENT OF ELECTRONICS AND COMMUNICATION ENGINEERING**  
KAKINADA-533003, ANDHRA PRADESH, INDIA

# Certificate

This is to certify that **MT. P. ASHOK CHAKRAVARTHY**, Asst. Professor  
of **VIKAS ENGINEERING COLLEGE**

has participated in the Two Day National Workshop on

**" Building Embedded Systems with ARM Cortex-M MCUs "**

held on 18<sup>th</sup> and 19<sup>th</sup> December 2015 organized by the Department of ECE, UCEK (A), JNTUK, Kakinada  
sponsored by TEQIP-II ( Technical Education Quality Improvement Programme - II ).

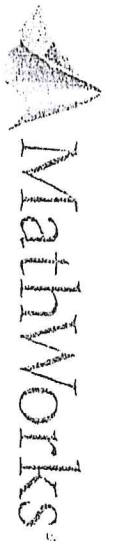
  
**Sri K. RAJASEKHAR**  
Coordinator

  
**Dr. R. MADHU**  
Coordinator

  
**Dr. A. M. PRASAD**  
Chairman

  
**Dr. V. RAMACHANDRA RAJU**  
Principal





Accelerating the pace of engineering and science

2015-2016  
10/2015

# MathWorks India

*Certifies that*

*Mr. B. Venkateswar Reddy.*

*attended the complimentary seminar*

**MATLAB® & Simulink® for Engineering Education**

*for*

For MathWorks India Pvt. Ltd.

Seminar Date: 05<sup>TH</sup> February, 2016  
Seminar City: Vijaywada



# MathWorks India

*Certifies that*

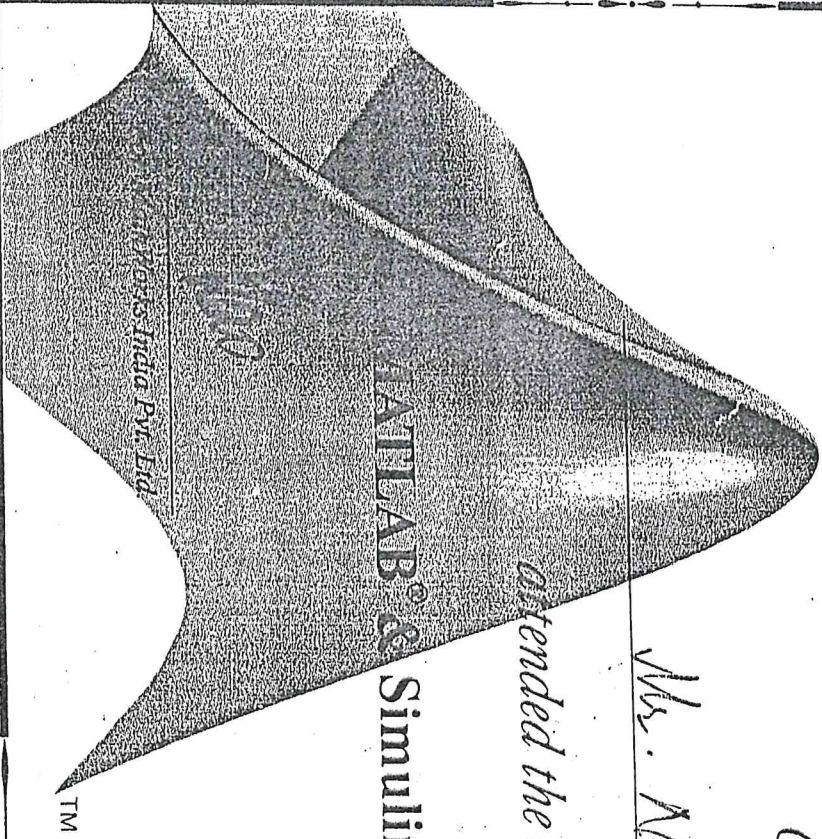
*Mrs. N. Gobala Krishna.*

*attended the complimentary seminar*

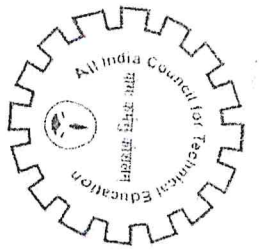
**MATLAB® & Simulink® for Engineering Education**

Seminar Date: 05<sup>TH</sup> February, 2016

Seminar City: Vijaywada







**UKIERI**  
UK-India Education  
and Research Initiative

15-16

# CERTIFICATE OF ACHIEVEMENT

This certifies that **Shri B. Venkateswara Reddy**

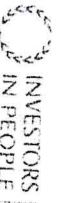
has completed the **UKIERI AICTE Leadership Development Programme** for

Technical Institutes delivered by City and Islington College, London, UK

Programme dates: 22<sup>nd</sup> February - 27<sup>th</sup> February, 2016

Sir Frank McLoughlin CBE, Principal, City and Islington College, London, UK

www.dairpdl.ac.uk



CITY AND ISLINGTON  
COLLEGE



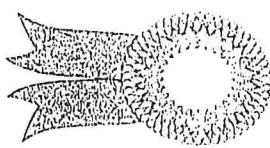
EDGEgate®  
TECHNOLOGIES

15-16  
March



15-16

TI university program



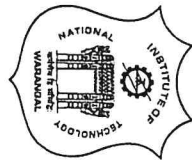
*This is to certify that P.V.L.N.Phami of Vikas College of Engineering and Technology has successfully organised the workshop for two days from 10<sup>th</sup> to 11<sup>th</sup> March 2016 on Embedded System Design using Tiva C series organised by Vikas College of Engineering and Technology in association with EdGate Technologies Pvt Ltd.*

*Phamist*  
*Phamist*

EdGate Technologies Pvt Ltd

*Phamist*  
Principal





Electronics & ICT Academy,  
(Initiative of Deity, MCIT, GOI)  
**National Institute of Technology, Warangal, (T.S.)**  
and  
Department of ECE,  
Sri Vasavi Engineering College, Tadepalligudem (A.P.)



## Certificate

This is to certify that Prof. / Dr. / Mr. / Ms. B. Venkateswara Reddy  
of Vikas College of Engineering & Technology, Vijayawada participated in the  
Faculty Development Programme (FDP) on **Signal Processing for Communications**,  
Jointly Organized by the Electronics & ICT Academy, NIT, Warangal and Department of ECE,  
Sri Vasavi Engineering College, Tadepalligudem during on 25<sup>th</sup> - 30<sup>th</sup> April, 2016.  
He / She is awarded B<sup>+</sup> grade in the test conducted.

R. Ramesh  
Dr. T. Kishore Kumar  
Coordinator  
NITW.

Dr. B. Brahmiah  
Principal, SVEC  
Tadepalligudem

D. V. S. S. S.  
Prof. DVLN Somayajulu  
Chief Investigator  
E & ICT Academy, NITW

T. S. R. Rao  
Prof. T. Srinivasa Rao  
Director  
NITW





**ANDHRA LOYOLA INSTITUTE OF ENGINEERING AND TECHNOLOGY**  
Approved by AICTE, New Delhi & Affiliated to JNTUK, An ISO 9001:2008 Certified Institution  
ALC Campus, I.T.I Road, Vijayawada-520008

**CoreEL**  
Technologies  
A (CSIS) Company

**Mentor**  
**Graphics**  
**XILINX**



**DEPARTMENT OF ELECTRONICS & COMMUNICATION ENGINEERING**  
**CERTIFICATE OF PARTICIPATION**

This is to certify that **Dr./Mr./MS./MRS. P. ASHOK CHAKRAVARTHY** of **VIKAS COLLEGE OF ENGINEERING & TECHNOLOGY** participated in **Three Day Faculty Development Program on "VLSI design techniques using XILINX & MENTOR GRAPHICS EDA tools"** conducted on **23<sup>rd</sup> to 25<sup>th</sup> June, 2016** at **Andhra Loyola Institute of Engineering and Technology, Vijayawada.**

  
CoreEL Technologies Pvt. Ltd.,  
Hyderabad

  
(M. Rana Krishna)  
Convener

  
(Dr. O. Mahesh)  
Principal



8015-2016  
FDP



**VISHNU**  
UNIVERSAL LEARNING

**DEPARTMENT OF ELECTRICAL & ELECTRONICS ENGINEERING**  
**SHRI VISHNU ENGINEERING COLLEGE FOR WOMEN**

(Autonomous)  
Vishnupur, Bhimavaram - 534202

*Certificate of Participation*

This is to certify that Dr. /Mr. /Ms. /Mrs. Dr. Venkateswara Reddy  
have participated in TEQIP-II Sponsored One week National Level FDP on  
"Computational Tools for Electrical systems" organized by Department of EEE, Shri  
Vishnu Engineering College for Women (Autonomous) during 25<sup>th</sup> - 30<sup>th</sup> July, 2016.

*N. J. Ganeshwar*

*Praveen Kumar  
Vice-Principal*

*B. S. T. Rao  
Principal*



**VISHNU**  
UNIVERSAL LEARNING

**DEPARTMENT OF ELECTRICAL & ELECTRONICS ENGINEERING**  
**SHRI VISHNU ENGINEERING COLLEGE FOR WOMEN**

(Autonomous)

Vishnupur, Bhimavaram - 534202

*Certificate of Participation*

This is to certify that Dr. /Mr. /Ms. /Mrs. Prof. K. Phani Srinivas  
have participated in TEQIP-II Sponsored One week National Level FDP on  
"Computational Tools for Electrical systems" organized by Department of EEE, Shri  
Vishnu Engineering College for Women (Autonomous) during 25<sup>th</sup> - 30<sup>th</sup> July, 2016.

*N.V.*  
*Santhosh*

*Praveen*  
*Vice-Principal*

*S. S. J. S.*  
*Principal*



16-13  
Aug



# DHARMA INSTITUTE OF ENGINEERING & TECHNOLOGY

(Approved by AICTE, New Delhi and Affiliated to JNTU, Kakinada)

An ISO 9001-2008 Certified Institution  
Ganguru, Vijayawada

DEPARTMENT OF ELECTRONICS & COMMUNICATION ENGINEERING

In Technical Collaboration with



## Certificate of Participation

This is to certify that Mr. P. ASHOK CHAKRAVARTHY, Asst. Professor

of VTKAS COLLEGE OF ENGINEERING

has attended the FDP on "Custom IC Design and ASIC Implementation Using Cadence EDA Tools" organized

by Department of Electronics & Communication Engineering, DIET, Ganguru, in technical collaboration with

M/S Entuple Technologies Pvt.Ltd. on 3<sup>rd</sup>, 4<sup>th</sup> and 5<sup>th</sup> of August 2016.

FOR

Entuple Technologies

Head of the Dept  
ECE, DIET

ECE, DIET

Principal  
9/8/2016

DIET





# LAKIREDDY BALI REDDY COLLEGE OF ENGINEERING (AUTONOMOUS)

Approved by AICTE, New Delhi, Affiliated to JNTU-K, Accredited by NAAC with 'A' Grade, NBA Accredited, ISO 9001:2008 Certified Institution  
Mylavaram - 521 230, Krishna Dist., A.P. India. Tel: 08659-222933, 934, 223936 Fax: 08659-222931

## CERTIFICATE OF PARTICIPATION

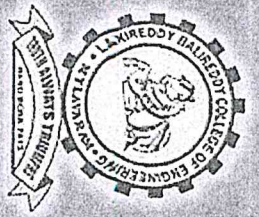
This is to certify that Prof/Dr/Mr/Mrs/Ms. B. VENKATESWARA REDDY ASSOC. PROF from VIKAS COLLEGE OF ENGG. & TECHNOLOGY, NUNNA, Vijayawada. has participated in the Two - Day Faculty Development Program on Advanced Matlab Tools and Simulink in Engineering Applications (AMTS-2016) organized by Department of Electronics and Communication Engineering from **20<sup>th</sup> & 21<sup>st</sup>** September, 2016.

**T. Anil Raju**  
Convenor, AMTS-2016

**Prof. B. Ramesh Reddy**  
Chairperson, AMTS-2016

**Dr. E. V. Prasad**  
Director





Jointly Organised by

**Departments of EIE & ECE**

**Lakireddy Bali Reddy College of Engineering (Autonomous)**

Approved by AICTE New Delhi, Affiliated to JNTU Kakinada

Accredited by NAAC with "A" Grade & ISO 9001 : 2008 Certified,

**MYLAVARAM-521230,**

[www.lbrce.ac.in](http://www.lbrce.ac.in)

**Two Day Workshop**

**SISSPASPT - 2K16**

**30<sup>th</sup> & 31<sup>st</sup> Dec. 2016**

## Certificate

*This Certificate is awarded to Mr/Ms/Mr/Prof..... P.V.L.N. PHANUJ.....ASST.....PROF.....  
of VIKAS COLLEGE OF ENGG & TECHNOLOGYhas Participated in Two Day Workshop  
on "Smart Instrumentation System with Solar Power and Advanced Signal Processing  
Techniques" held at Lakireddy Bali Reddy College of Engineering*

**Dr. T. Satyanarayana**  
Convener

**Prof. B. Ramesh Reddy**  
Head of the Department

**Dr. N. R. M. Reddy**  
Principal

**Dr. E. V. P. Prasad**  
Director





Jointly Organised by

Departments of **EIE & ECE**

**Lakireddy Bali Reddy College of Engineering (Autonomous)**

Approved by AICTE New Delhi, Affiliated to JNTU Kakinada  
Accredited by NAAC with "A" Grade & ISO 9001 : 2008 Certified.

MYLAVARAM - 521230.

[www.lbrce.ac.in](http://www.lbrce.ac.in)

**Two Day Workshop**

**SISSPASPT - 2K16**

**30<sup>th</sup> & 31<sup>st</sup> Dec. 2016**

**Certificate**

*This Certificate is awarded to Mr/Ms/Dr/Prof..... B.V. REDDY..... ASSO.C..... PROF.....  
of...VIKAS COLLEGE...OF...ENGG...& TECHNOLOGY has Participated in Two Day Workshop  
on "Smart Instrumentation System with Solar Power and Advanced Signal Processing  
Techniques" held at Lakireddy Bali Reddy College of Engineering*

**Dr. T. Satyanarayana**  
Convener

**Prof. B. Ramesh Reddy**  
Head of the Department

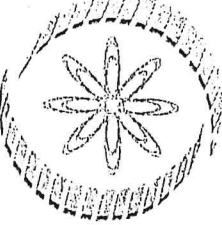
**Dr. N. R. M. Reddy**  
Principal

**Dr. E. V. Prasad**  
Director



WORKSHOP  
16-18  
MAY

# CERTIFICATE OF PARTICIPATION



NPTEL

THIS CERTIFICATE IS PRESENTED TO

Mr. B. V. Ruddy

Vikas College of Engg & Tech

for participating in the NPTEL Workshop conducted on  
4<sup>th</sup> Jan 2017 by IIT Madras, at KRIET

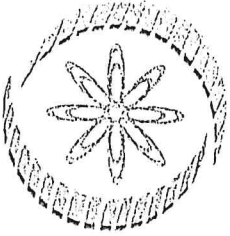
PROF. ANDREW THANGARAJ  
Coordinator, NPTEL IIT Madras

2016-17 Workshop



16.12.2010

# CERTIFICATE OF PARTICIPATION



NPTEL

THIS CERTIFICATE IS PRESENTED TO

Mr. B. Navin Kumar

Vivek College of Engg & Tech.

for participating in the NPTEL Workshop conducted on

4<sup>th</sup> Jan 2013 by IIT Madras, at KIET

**PROF. ANDREW THANGARAJ**  
Coordinator, NPTEL IIT Madras



18/11/13  
CERTIFICATE  
OF PARTICIPATION



NPTEL

THIS CERTIFICATE IS PRESENTED TO

Mr. S. M unahasi

Vikas College of Engg & Tech

for participating in the NPTEL Workshop conducted on

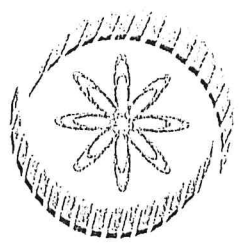
4<sup>th</sup> Jan 2013 by IIT Madras, at KIET

PROF. ANDREW THANGARAJ  
Coordinator, NPTEL IIT Madras



16-19  
MADRAS

# CERTIFICATE OF PARTICIPATION



NPTEL

*Handwritten signature*

THIS CERTIFICATE IS PRESENTED TO

Mr. P. Ashok Chakravarthi

Vikas College of Engg & Tech

for participating in the NPTEL Workshop conducted on

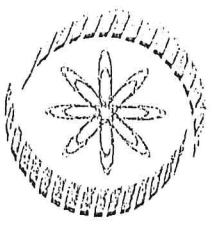
4<sup>th</sup> Jan 2017 by IIT Madras, at KIET

*Handwritten signature*

PROF. ANDREW THANGARAJ  
Coordinator, NPTEL IIT Madras



# CERTIFICATE OF PARTICIPATION



NPTEL

*Signature*

THIS CERTIFICATE IS PRESENTED TO

Mr. P. V. L. N. Phani

Vikas College of Engg & Tech

for participating in the NPTEL Workshop conducted on

4<sup>th</sup> Jan 2017 by IIT Madras, at KIET

*Signature*

PROF. ANDREW THANGARAJ  
Coordinator, NPTEL IIT Madras



6-1-18  
Raghu

Raghuandan N V  
Technical Marketing Engineer | Certified TestStand Developer  
National Instruments – India, Russia, Middle East & Africa



For National Instruments

Dear Sir/Madam,  
This is to confirm that Prof. N. GOPALA KRISHNA, attended the NI Engineering Education & Research Seminar at Fortune Murali Park, 40-1-28, Labhipet, M.G.Road, Vijayawada-520 010, Andhra Pradesh, India on 26 September 2017.  
We hope this was a fruitful seminar and in the interest of your time. We look forward to interacting with you again soon.

Subject: Letter of Attendance at NI Engineering Education & Research Seminar, Vijayawada 2017

TO WHOMSOEVER THIS MAY CONCERN

Date: 26<sup>th</sup> September 2017



2017-18



8-6-17  
-1-2-2018

Raghunandan N V  
Technical Marketing Engineer | Certified TestStand Developer  
National Instruments – India, Russia, Middle East & Africa



For National Instruments

We hope this was a fruitful seminar and in the interest of your time. We look forward to interacting with you again soon.

This is to confirm that Prof. P.V.L.N. PHANI. attended the NI Engineering Education & Research Seminar at Fortune Murali Park, 40-1-28, Labbipet, M.G.Road, Vijayawada-520 010, Andhra Pradesh, India on 26 September 2017.

Dear Sir/Madam,

**Subject:** Letter of Attendance at NI Engineering Education & Research Seminar, Vijayawada 2017

TO WHOMSOEVER THIS MAY CONCERN

Date: 26<sup>th</sup> September 2017



26-9-2017





# SASI INSTITUTE OF TECHNOLOGY & ENGINEERING

Accredited by MAAC with "A" Grade, Approved by AICTE - New Delhi, Permanently Affiliated to JNTUK, Kakinada, Affiliated to SBIEIT, Hyderabad, Recognised by UGC 2 (f) & 12(B), Ranked as "A" Grade by Govt. of A.P., Tadepalligudem-534101, West Godavari District, A.P.




भारतीय इंजीनियरिंग  
Institution of Electronics &  
Telecommunication Engineers

Department of Electronics and Communication Engineering


## Certificate of Participation

This is to certify that Prof/Dr/Mr/Mrs/Ms P. V. L. N. Phani from

Vikas College of Engineering & Technology has participated and successfully completed 5-day Faculty Development Program on "Design and Analysis of RF Antennas using HFSS Software" organized by Department of Electronics and Communication Engineering, Sasi Institute of Technology & Engineering, Tadepalligudem from 07<sup>th</sup> to 11<sup>th</sup> November 2017 in association with IETE Vijayawada chapter.

  
Dr. T. J. V. Subrahmanyeswara Rao  
Professor & Head, ECE Department  
Convener

  
Prof. T. Venkateswara Rao  
Chairman, IETE Vijayawada Chapter

  
Dr. K. Bhanu Prasad  
SITE, Tadepalligudem  
Principal



LAKIREDDY BALI REDDY COLLEGE OF ENGINEERING

(Autonomous)

Accredited by NAAC "A" Grade, NBA ISO 9001 - 2015 Certified

L. B. REDDY NAGAR, Mylavaram, Krishna Dist - 521 230.



**Certificate**

This is to certify that

Mr. B. Venkateswara Reddy

Assistant Professor in ECE

from VIKAS COLLEGE OF ENGINEERING AND TECHNOLOGY

has participated in one week Faculty

Development Program on

**Design and Analysis of RF Antennas Using HFSS**

13<sup>th</sup>-18<sup>th</sup>, November 2017

Organized by

**Department of ECE**

&

In Association with IETE Vijayawada Chapter

Prof. B. Ramesh Reddy  
Convener  
HOD ECE

Dr. K. Appa Rao  
Principal  
LBRCE



LAKIREDDY BALI REDDY COLLEGE OF ENGINEERING

(Autonomous)  
Accredited by NAAC "A" Grade, NBA ISO 9001 - 2015 Certified  
L.B.REDDY NAGAR, Mylavaram, Krishna Dist - 521 230.



# Certificate

This is to certify that

Mr. P.V.L.N Phani

Assistant Professor in ECE

from VIKAS COLLEGE OF ENGINEERING AND TECHNOLOGY

has participated in one week Faculty

Development Program on

## Design and Analysis of RF Antennas Using HFSS

13<sup>th</sup>-18<sup>th</sup>, November 2017

Organized by

### Department of ECE

&

In Association with IETE Vijayawada Chapter

Prof. B. Ramesh Reddy  
*[Signature]*

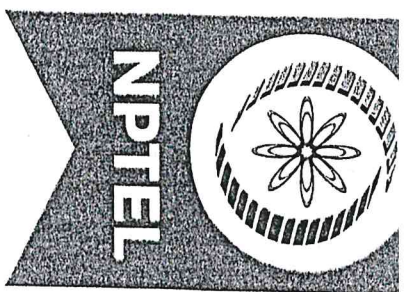
Convener  
HOD ECE

Dr. K. Appa Rao  
*[Signature]*  
Principal  
LBRC E



Workshop

NOV 18 2018



# CERTIFICATE OF PARTICIPATION

PRESENTED TO

V. L. N. PUNNI PONNAPALLE

VIRAS COLLEGE OF ENGINEERING & TECHNOLOGY

FOR PARTICIPATION IN THE NPTEL WORKSHOP CONDUCTED ON  
25<sup>TH</sup> JAN, 2018 BY IIT MADRAS, AT ICR SR AUDITORIUM,

IIT MADRAS

PROF. ANDREW THANGARAJ  
COORDINATOR, NPTEL IIT MADRAS





# ni-msme

NS 03167870918

National Institute for Micro, Small and Medium Enterprises  
(An Organisation of the Ministry of MSME, GoI and ISO 9001-2008 Certified)  
Yousufguda, Hyderabad - 500 045 (India)

*Awards this certificate to*

**Gopala Krishna. N.**

*in recognition of successful completion of*

**Monthly Development Programme (MDP) in Entrepreneurship Development**

(Sponsored by the Department of Science & Technology, Govt. of India)

24-09-2018 to 06-10-2018

*P. Prajna Rao*  
Programme Director

*A. Suresh*  
Director





# JAWAHARLAL NEHRU TECHNOLOGICAL UNIVERSITY KAKINADA

Kakinada - 533 003, Andhra Pradesh, India

Directorate of the Faculty Development Centre  
A Two Week Summer Faculty Development Programme  
On

## IMPORTANT ENGINEERING SUBJECTS

### Participation Certificate

This is to Certify that Ms. / Mr. / Smt. M.S.R. NIRANJAN

S/o. D/o. Smt. / Sri \_\_\_\_\_

Faculty of Vikas college of Engineering & Technology.

has Participated in the Programme on "Improving Teaching Skills in the Subject Random Variables  
and Stochastic Processes" held during 02<sup>nd</sup> - 07<sup>th</sup> May, 2019, as a part of Two week summer

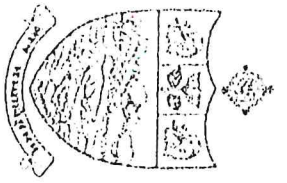
Faculty Development Programme organized by the Directorate of the Faculty Development Centre, JNTUK  
Kakinada, Andhra Pradesh, India.

*B.T. Krishna*  
HEAD OF THE DEPARTMENT

*A m Prasad*  
CHIEF COORDINATOR  
DAP, JNTUK

*Uai*  
REGISTRAR &  
DIRECTOR, FDC i/c  
JNTUK KAKINADA





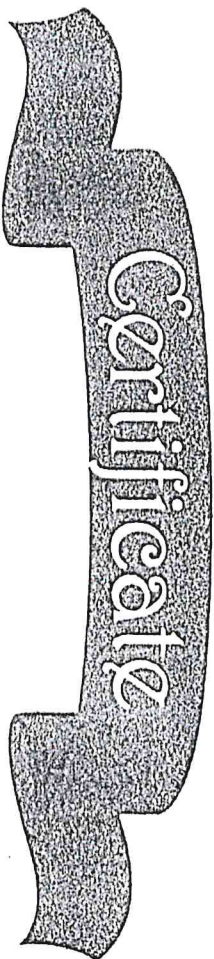
takeoff edu®

GROUP

(A Division of Young Minds Technology Solutions Pvt. Ltd.,)

A Two Day National Level Workshop on

**HANDS ON DESIGN AND SIMULATION OF PROGRAMMING ON EMBEDDED C**



This is to certify that Mr. / Ms. P V L N PHANU, ASSISTANT PROFESSOR

VIKAS COLLEGE OF ENGINEERING & TECHNOLOGY has participated in A

Two Day National Level Workshop on "HANDS ON DESIGN AND SIMULATION OF PROGRAMMING ON EMBEDDED C" on 7<sup>th</sup> & 8<sup>th</sup> September, 2019. Organised by Takeoff Group, in association with Department of Physics, S.V. University, TIRUPATI & IETE Tirupati Centre.

Chief Patron

**Dr. S. VIJAYA SHANKARAO**

Head, Dept. of Physics, S.V. University, TIRUPATI

Managing Director

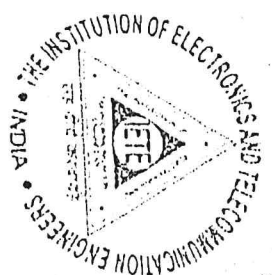
**A. VINAY**

Takeoff Group, Tirupati & Youngminds, Tirupati

IETE Representative

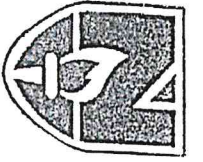
**Dr. T. RAJENDRA PRASAD**

Honorary Secretary, IETE Tirupati Centre





# DEPARTMENT OF ELECTRONICS & COMMUNICATION ENGINEERING



NARAYANA  
ENGINEERING COLLEGE

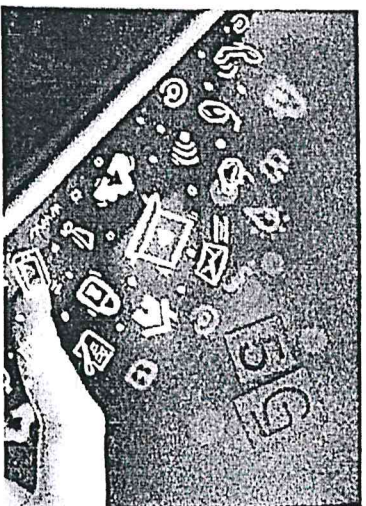
**NARAYANA ENGINEERING COLLEGE-NELLORE**  
(Approved by AICTE & Permanently Affiliated to JNTUA, Anantapuram, An ISO 9001 | 2015 Certified Institution Recognized by UGC: U/S 20/2 & 1209 and "A" grade by Govt., A.P.)  
Narayana Avenue, Muthukur Road, A.K. Nagar, Nellore - 524004 (A.P.)



**A FIVE DAY FDP ON**

**"RECENT TRENDS IN COGNITIVE RADIO  
IN 5G WIRELESS COMMUNICATIONS"**  
23<sup>rd</sup> to 28<sup>th</sup> December 2019

## Certificate of Participation



This certificate is presented to Prof./Dr./Mr./Ms./Mrs V.L.N. PHANI PANNABALLI

of Vikas College of Engg & Tech, Vijayawada for attending a Five Day Faculty Development Program  
on "RECENT TRENDS IN COGNITIVE RADIO IN 5G WIRELESS COMMUNICATIONS" organized by Department of  
ECE from 23<sup>rd</sup> to 28<sup>th</sup> December 2019.

K.S.P.  
Convener



[Signature]  
Principal



# DEPARTMENT OF ELECTRONICS & COMMUNICATION ENGINEERING

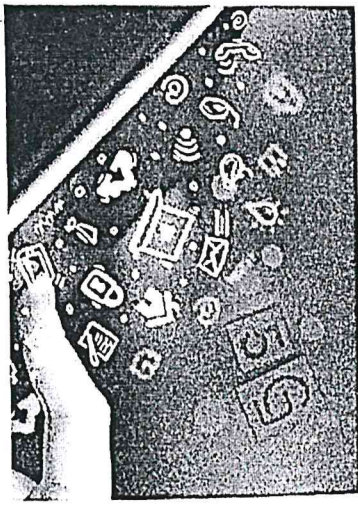


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**"RECENT TRENDS IN COGNITIVE RADIO**  
**IN 5G WIRELESS COMMUNICATIONS"**  
**23<sup>rd</sup> to 28<sup>th</sup> December 2019**



## Certificate of Participation

This certificate is presented to Prof./Dr./Mr./Ms./Mrs B. NAVEEN KUMAR

of Vikas College of Engg & Tech., Vijayawada for attending a Five Day Faculty Development Program on **"RECENT TRENDS IN COGNITIVE RADIO IN 5G WIRELESS COMMUNICATIONS"** organized by Department of ECE from **23<sup>rd</sup> to 28<sup>th</sup> December 2019.**

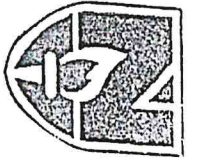
  
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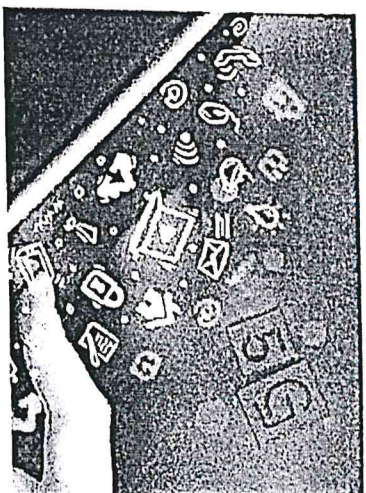


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**"RECENT TRENDS IN COGNITIVE RADIO  
IN 5G WIRELESS COMMUNICATIONS"**

**23<sup>rd</sup> to 28<sup>th</sup> December 2019**

## Certificate of Participation



This certificate is presented to Prof./Dr./Mr./Ms./Mrs N. GOPALA KRISHNA

of Vikas College of Engg & Tech, Vijayawada for attending a Five Day Faculty Development Program  
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ECE from 23<sup>rd</sup> to 28<sup>th</sup> December 2019.

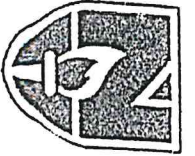
Convenor



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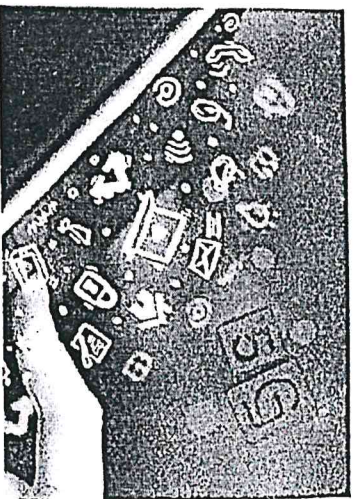
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IN 5G WIRELESS COMMUNICATIONS"  
23<sup>rd</sup> to 28<sup>th</sup> December 2019**



## Certificate of Participation

This certificate is presented to Prof./Dr./Mr./Ms./Mrs B. VENKATESWARA REDDY  
of Vikas College of Engg & Tech, Vijayawada for attending a Five Day Faculty Development Program  
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Convenor



Principal