

# 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.  
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## **2.3.1 - Student centric methods, such as experiential learning, participative learning and problem solving methodologies are used for enhancing learning experiences**

**Institution has adopted various learning methodologies such as experiential learning, participative learning and problem solving to create interest amongst the students in the teaching learning process.**

### **Experiential Learning**

**Industrial visits and hands-on training by the industrial experts are arranged for the students to make them updated with the recent technological trends. Various certificate/add-on courses are conducted for the students to enhance their technical skills and employment opportunities. Students are encouraged to undertake internships/implant trainings for getting industrial working experience. Laboratory courses provide the students with better understanding of the concepts taught in the class.**

### **Participative Learning**

**Students are encouraged to participate in symposiums, intra/inter collegiate events, seminars, guest lectures and contests to bring-out their technical skills and innovative capabilities. Students are encouraged to participate in group discussions and seminars during the class hours. Students are also encouraged to undertake NPTEL courses in recent technologies.**

### **Problem Solving Methodologies**

**The project courses enable the students to identify societal problems and provide user-friendly/environment-friendly and economically feasible solutions using their innovative and creative thinking capabilities. Students are provided with problem solving assignments for better understanding the theoretical concepts. Tutorial classes are conducted for problem-oriented subjects to students for enhancing their problem-solving abilities.**

# 1.Experiential Learning

## 1.LABORATORY COURSES

### GEOTECHNICAL ENGINEERING LAB



### AGRICULTURAL FOOD PROCESSING LAB



## FIELD WORK



## 2.PARTICIPATIVE LEARNING

### SEMINAR TOPIC: - GENE EXPRESSION TECHNIQUE



## NPTEL

NPTEL » Introduction To Internet Of Things

[Announcements](#) [About the Course](#) [Q&A](#) [Progress](#) [Mentor](#) [Review Assignment](#) [Course Recommendations](#)

If already registered, click to check your payment status

Course outline

- About NPTEL
- How does an NPTEL online course work?
- Week 0
- Week 1
  - Lecture 1: Introduction to IoT- Part-I**
  - Lecture 2: Introduction to IoT- Part-II
  - Lecture 3: Sensing
  - Lecture 4: Actuation
  - Lecture 5: Basics of IoT Networking- Part- I
  - Week 1 : Lecture materials
  - Quiz: Week 1 : Assignment 1
  - Week 1 Feedback Form
  - Assignment 1 Solution
- Week 2
- Week 3
- Week 4
- Week 5

Lecture 1: Introduction to IoT- Part-I

PROF. SUDIP MISRA, IITKGP

Language for Video Transcript:

Video Transcript:

so the first lecture is going to be on the basics of internet of things so in this lecture we are going to get introduced to the different fundamental concepts behind iot and the basic technologies connectivity devices that are required and an overall understanding about how iot is are made so we are going to have in this lecture and understanding about all of these concepts but first let us get motivated about why iot is required so it has been

Activate Windows

### 3.PROBLEM SOLVING METHODOLOGIES

#### MAJOR PROJECT

VIKAS COLLEGE OF ENGINEERING AND TECHNOLOGY  
DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING




#### CERTIFICATE

This is to certify that the project report entitled "GOLD PRICE PREDICTION USING MACHINE LEARNING" being submitted by

PULIPATI DIVYA SREE	:	19NQ1A0583
REGULAGADDA BHARGAVI	:	19NQ1A0585
ANUMUKONDA SRIRAM GOPAL	:	19NQ1A0504
GALAVALLI VEERA BHASKAR	:	19NQ1A0536

In partial fulfillment for the award of the Degree of Bachelor of Technology in Computer Science and Engineering to the Jawaharlal Nehru Technological University, Kakinada is a record of bonafied work carried out under my guidance and supervision.

  
Internal Guide  
T.P.V.V. Srinivasa Rao, M.Tech  
Assistant Professor

  
Head of the Department  
M. Ashok Kumar, M.Tech (Ph.D)  
Associate Professor

Maha Lakshmi  
PROJECT EXTERNAL

## INTERNSHIP (MINI PROJECT)

VXL

**VXL IT SOLUTIONS**  
Internship-Projects

Date: 19/06/2023

TO WHOM SO EVER IT MAY CONCERN

### CERTIFICATION OF INTERNSHIP COMPLETION

This is to certify that **PAGUTLA PRAVEEN KUMAR**, studying EEE (Electrical and Electronics Engineering), Roll No: **21NQ5A0214**, in **VIKAS COLLEGE OF ENGINEERING & TECHNOLOGY**, Vijayawada Rural, Nunna, has done his **INTERNSHIP PROGRAM**, Work Entitled "**PYTHON WITH MACHINE LEARNING**" in **VXL IT SOLUTIONS**, Vijayawada from **22<sup>nd</sup> MAY, 2023** to **17<sup>th</sup> JUNE, 2023** in partial fulfillment for the award of the certificate from the degree mentioned above and this report of the project work carried out under our guidance. The student displayed analytical capability, has innovative approach to solve problem and has produced good results.

We wish the very best for his career and future endeavors.

For VXL IT SOLUTIONS

  
R.Siva  
Manager – Technology & Project

