19PC011   INTER DEPARTMENTAL PROJECTS - I

Hours Per Week :

L	T	P	C
0	0	4	2

Total Hours :

L	T	P
-	-	60

DESCRIPTION AND OBJECTIVES:

These projects are aimed at enabling students to understand the relationship between the courses of various engineering programs. Students will get an idea of how new technologies or solutions, prototype or working model can be developed by culmination of technologies from courses of different programs.

COURSE OUTCOMES:

Upon completion of the course, the student will be able to achieve the following outcomes:

COs	Course Outcomes	POs
1	Map different courses to gain the knowledge of inter-disciplinary Engineering.	1
2	Function effectively as an individual and as a member or leader in diverse teams.	9
3	Comprehend and write effective reports and make effective presentations.	10

LIST OF INTER-DEPARTMENTAL PROJECTS

- Wireless Network Based Wireless SCADA.
  (Combination of courses from the branches of CSE, ECE & EEE).

- Efficient Protection of Palms from RPW Larvae using Wireless Sensor Networks.
  (Combination of courses from the branches of CSE & ECE).

  Biometric Authentication Using Near Infrared Images of Palm Dorsal Vein Patterns.
  (Combination of courses from the branches of CSE & ECE).

- Medical image fusion based on joint sparse method.
  (Combination of courses from the branches of CSE & BM).

- Research on the Rice Counting Method Based on Connected Component Labeling.
  (Combination of courses from the branches of CSE & ECE).

- Forensic analysis of social networking applications on mobile devices.
  (Combination of courses from the branches of CSE & IT).

- A Robust Wireless Mesh Access Environment For Mobile Video Users.
  (Combination of courses from the branches of CSE & ECE).

- Secure File Storage on Cloud Using Hybrid Cryptography.
  (Combination of courses from the branches of ECE & CSE).

- IoT Weather Monitoring System using Cloud Computing.
  (*Combination of courses from the branches of* CSE & ECE).

- Understanding the Performance of Low Power Raspberry Pi Cloud for Big Data.
  (*Combination of courses from the branches of* ECE, EEE & CSE).

- Cloud Computing Smart Building using IoT Project.
  (*Combination of courses from the branches of* CSE & ECE).

- Remote Monitoring and Control System for DC Motor using Zigbee Protocol.
  (*Combination of courses from the branches of* ECE, EEE & CSE).

- Detecting Data Leaks via Sql Injection Prevention on an E-Commerce.
  (*Combination of courses from the branches of* CSE, ECE & MBA).

- G-Netadmin-A Network Management System.
  (*Combination of courses from the branches of* CSE & ECE).

- Cell Phone Accident Avoidance System While Driving.
  (*Combination of courses from the branches of* CSE & ECE).

- M- Muster Using GPS.
  (*Combination of courses from the branches of* CSE & ECE).

- eFresh – A Device to Detect Food Freshness.
  (*Combination of courses from the branches of* CSE, ECE & FT).

- Panoramio -A Mobile Application Based on Android.
  (*Combination of courses from the branches of* CSE & ECE).

- GSM based Matrix LED — Rolling display.
  (*Combination of courses from the branches of* CSE & ECE).

- SMS Based Device Control.
  (*Combination of courses from the branches of* CSE & ECE).

- RFID Based Attendance System.
  (*Combination of courses from the branches of* CSE & ECE).

- RFID Based Security System.
  (*Combination of courses from the branches of* CSE & ECE).

- RFID Based Highway Toll Tax Collection System.
  (*Combination of courses from the branches of* CSE & ECE).

- Touch screen based wireless food ordering system for hotels.
  (*Combination of courses from the branches of* CSE & ECE).

- Home appliance control using Touch screen with wireless communication.
  (*Combination of courses from the branches of* CSE & ECE).

- Arduino and IOT based patient health monitoring system project.
  (*Combination of courses from the branches of* CSE & ECE).

- SMS based Alcohol detection with vehicle controlling using GSM technology.
  (*Combination of courses from the branches of* CSE & ECE).

- Blind Aid : Travel Aid For Blind.
  (*Combination of courses from the branches of of* CSE & ECE).

- Trace Length Calculation on PCBS.
  (*Combination of courses from the branches of* CSE, ECE, Mech & EEE).

- Breast milk Monitoring with Android Based On IOT.
  (*Combination of courses from the branches of* CSE, ECE & Bio-Medical).

- Krishi-Mitra:- An ICT enabled Interface for Farmers.
  (*Combination of courses from the branches of* CSE, ECE & Agriculture).

- Traffic Info with Pothole Detection and Warning System.
  (*Combination of courses from the branches of* CSE & ECE).

- Smart Asthma Inhaler.
  (*Combination of courses from the branches of* CSE, ECE, Medical & BT).

- Driver and Vehicles Documents Authentication System Using Android, WebServer and MYSQL.
  (*Combination of courses from the branches of* CSE & ECE).

- One Touch Information.
  (*Combination of courses:* CSE, ECE & EEE).

- GPS tracker for Blind people using GSM technology.
  (*Combination of courses from the branches of* CSE & ECE).

- Home Appliances Controlling using Android Mobile via Bluetooth.
  (*Combination of courses from the branches of* CSE & ECE).

- Touch screen and SMS based Industrial Security System.
  (*Combination of courses from the branches of* CSE & ECE).

- Arduino and IOT based patient health monitoring system project.
  (*Combination of courses from the branches of* CSE & ECE).

- Android mobile controlled door security locking system.
  (*Combination of courses from the branches of* CSE & ECE).

- IOT based Fire Alerting System Project.
  (*Combination of courses from the branches of* CSE & ECE).

- Office cab tracking system using GPS and GSM technology.
  (*Combination of courses from the branches of* CSE & ECE).

- Android controlled Electronic Notice Board using Matrix LED Rolling display.
  (*Combination of courses from the branches of* CSE & ECE).

- Speed Control of DC motor using Android mobile.
  (*Combination of courses from the branches of* CSE & ECE).

- ATmega16A Based GPS Receiver.
  (*Combination of courses from the branches of* CSE & ECE).

- PC-Based GPS Receiver.
  (*Combination of courses from the branches of* CSE & ECE).

- Automatic off timer circuit.
  (*Combination of courses from the branches of* CSE & ECE).

- Doorbell cum Visitor Indicator.
  (*Combination of courses from the branches of* CSE & ECE).

- Sonar Water-Level Meter.
  (*Combination of courses from the branches of* CSE & ECE).

- Audio Controlled Running Light.
  (*Combination of courses from the branches of* CSE & ECE).

- Infrared Electronic Shooting Game.
  (*Combination of courses from the branches of* CSE & ECE).

- Numeric Display Digital Dice.
  (*Combination of courses from the branches of* CSE & ECE).

- Sixth-Sense Media Player.
  (*Combination of courses from the branches of* CSE & ECE).

- Quiz Game Controller.
  (*Combination of courses from the branches of* CSE & ECE).

- Restaurant Menu Ordering System.
  (*Combination of courses from the branches of* CSE & ECE).

- Heart Disease Prediction system.
  (*Combination of courses from the branches of* CSE & Biomedical).