

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**

- TV Show Popularity Analysis Using Data Mining.  
(Combination of courses from the branches of CSE & ECE).
- License Plate Recognition.  
(Combination of courses from the branches of CSE, ECE & Mechanical).
- Infant cry analysis and detection.  
(Combination of courses from the branches of CSE & EEE).
- 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 Menu-based Universal Control Protocol.  
(Combination of courses from the branches of CSE & IT).
- Online DVD Rental System Java Project.  
(Combination of courses from the branches of CSE & IT).
- Free Download Online Shopping System.  
(Combination of courses from the branches of CSE & IT).
- Attendance Management System.  
(Combination of courses from the branches of CSE & IT).
- E-Bug Tracker – Bug Tracking System Project.  
(Combination of courses from the branches of CSE & ECE).
- E-Learning Platform using Cloud Computing.  
(Combination of courses from the branches of CSE, Education & ECE).
- Digitalized Certificate Generation of Emission Test.  
(Combination of courses from the branches of CSE, ECE, Automobile & Mech).
- Portable H2O Quality Monitoring and Cloud Reporting System.  
(Combination of courses from the branches of CSE, ECE & Chemical).
- Hand bone Age Estimation Using Energy Based Segmentation.  
(Combination of courses from the branches of CSE, ECE & Bio-medical).
- Panoramio -A Mobile Application Based on Android.  
(Combination of courses from the branches of CSE & ECE).
- Identifying the Amount of Fertilization Required for Rice Crops Using Image Processing System.  
(Combination of courses: CSE, ECE, Agriculture & Mech.).
- Facial Expression Recognition.  
(Combination of courses from the branches of CSE Bio Informatics & ECE).

**NOTE:** The afore - mentioned list is not exhaustive and the objective is to provide an idea of some of the projects that can be executed by students arising from a combination of courses from various branches. Students are given full flexibility to choose any projects of their choice under the supervision of faculty mentors from a combination of different departments.