

Faculty of Engineering
Department of Civil Engineering
Policy for BTech and MTech Electives

1. The Elective is designed as per Outcome Based Education (OBE)
2. Input is received from Faculties, Industries, and Academicians.
3. Department BOS Committee identifies faculty members with relevant specialization and assigns the task to design the elective.
4. Faculty members prepare the course curriculum incorporating the latest developments in the respective subject domains.
5. Department BOS lists the courses and prepare semester wise sequence of courses and scheme of study.
6. The proposal is placed before the BOS of the department for deliberations and suggestions.
7. BOS meets and discusses the curriculum developed by the department BOS and provide suggestions.
8. After incorporating the suggestions of the BOS the curriculum will be discussed and approved by BOS before implementation.
9. Curriculum will be designed based on Employability, Innovation and research.
10. The department offers 6 electives starting from 6th semester for B.Tech and 4 electives starting from 1st semester for M.Tech. These electives are prescribed from various domain areas and the students are advised to choose at least two domains of specialization.
11. Generally there are four to five courses in each elective groups.
12. The students can also opt for the interdisciplinary electives irrespective of their program of study(open elective-only from 2015 Batch).
13. Though the provision is to allot the elective only if minimum of 10 students for B.Tech and 5 students for M.Tech opt for an elective course.

HOD
Civil Engineering

Faculty of Engineering Department of Civil Engineering

Policy for Student Projects

1. Projects may be either one or a combination of Experimental, Research, Case study, Industrial applications, Analytical and Simulation.
2. At the beginning of the eighth semester for B.Tech and end of 3rd semester for M.Tech, the Project coordinator/HOD meets with the students and explains to them about the project.
3. **Projects Identification and guide allocation process:**
 - i. Students approach various industries for the final year projects and work on the same once it has been approved by the department level project coordinator.
 - ii. Students are given a time to identify their project titles (Areas of their choice) and send project title approval form to project coordinator.
 - iii. Faculty members can declare In-House project statements and interested students can approach the faculty.
 - iv. These project statements are separated domain wise and distributed among the faculty members.
 - v. Depending on the project title, the student is allotted a guide.
4. Projects are offered which satisfies the program outcomes and program specific outcomes.
5. Continuous monitoring mechanism and evaluation.
 - i. Weekly meetings of the students with respective guide are planned on the project day Students maintain the log book of weekly meetings.
 - ii. At the end of the month, the work done is presented by students and progress has been judged by the team of faculty members.
6. Methodology to assess individual as well as collective contribution/understanding of the project.
 - i. For BE /M.Tech projects university time table based evaluation is carried out and at the end of the semester students present their work to the guide and expert from a same department.

- ii. Evaluation sheet is distributed by the project coordinator to all the judging teams.
 - iii. Judging is carried out based on various criterion such as
 - a. Understanding of Project
 - b. Percent Completion of project
 - c. Presentation skills
 - d. Demonstration and
 - e. Documentation.
 - iv. Evaluation is carried out on individual basis as well as on team performance.
 - v. Evaluation is done by judging team and is communicated to the students for further improvement.
 - vi. At the end of the academic year, students present and demonstrate their work to the expert from an industry and the project guide.
7. Project Demonstration.
- i. At the end of final year, as per the university schedule, final viva is arranged.
 - ii. Students demonstrate their project in front of a panel consisting of:
 - Internal project guide.
 - External academia/industry personnel.
 - Department project coordinator.
 - Working prototype, testing results, validation done is presented and judged by the panel.
8. Papers published or awards won.
- i. Every group is encouraged to write a paper or to participate in project competition organized by various engineering colleges.
 - ii. Students are provided with the 'research article formats' of various conferences or journals.

HOD
Civil Engineering