

Faculty of the Department of HSE & Civil Engineering has done the following innovations in teaching and learning:

Use of teaching learning facilities such as LCD Projector, Smart Board, Wi-Fi enabled Laptops, and Smart Podium. Academic discussion between faculty and students using Blackboard, a Learning Management Software. In addition to this, the library at UPES provides access to a large number of e-Journals to aid the student in learning and to inculcate the habit of self-learning in students. Remote Login facility is available to bonafide students, staff and research scholars of the Department to access the subscribed databases and journals through EzProxy Remote Access facility.

Innovations in Teaching and Learning adopted by faculty for B. Tech Civil Engineering Program are;

- Hands-on projects/assignment using the available technologically advanced equipment for learning in subjects such as Surveying & Geomatics, Geotechnical Engineering, and Foundation Engineering.
- Field visit based learning in subject such as Hydraulic Engineering, and Advanced Construction Techniques, and Industrial Visit.
- Model making assignments to have a better understanding of concepts of hydraulics for Hydraulics Engineering.
- Online Courses for Environmental Sciences, Management I (Organization Behavior), Human Values and Ethics (Hybrid Module), Presentation Skills, and Social Internship are conducted.
- Field training during Summer Internship enables the student to observe and learn the application of the theoretical aspects of civil engineering that they have studied.
- Training in professional software Primavera for construction planning and management, and AutoCAD in CAD lab course.