Final Year Major Project Initiation for 7th Semester Students

The Final Year Students currently in 7th Semester are to initiate their final year major project. While the final year project is a core essential part of your BTech degree, it is also highly valued for future career, since it supports students engaging in realistic activities which reinforce their understanding of the discipline, and draws on skills acquired in different modules throughout their degree.

1. Choose a topic which where you will apply knowledge and skills you have gained from the courses taught and the skills you have gained through internships, self-study etc. Students are expected to apply good practice they have already learned during previous semesters, as well as learning any new technologies and other material which may be necessary to progress their work.

2. Try to choose a topic which will be a great value addition to your career.

3. Students will work under a supervisor who is a faculty member of the Department. Based on your interest approach a faculty member who can guide in that area. Broad areas in which Department Supervisors will offer guidance is enlisted below.

4. Talk with your supervisor to choose topics that solve real world problems, society problems, technical problems and topics that aims to handle current and future industry trends

5. A Final year project must have a major implementation part, either in code or hardware or both. It cannot be a completely theoretical topic.

6. There are four "deliverables" in 7th semester— an initial formal title and abstract and synopsis of their project (15 September 2025), a presentation on their proposal after a week or two after submission of abstract, a midterm review of preparations done, and a complete Design Document submission along with viva-voce after End-Term Exams of 7th semester

   In continuation, there will be two "deliverables" in the 8thsemester: a progress report/presentation at around Feb 2026, and a final demonstration with complete project and report submission, viva toward the end of 8thsemester.

7. The Department also encourages Inter-disciplinary, Inter-University, Industry-collaborative projects.
   For Inter-Disciplinary Projects (for example Biotechnology-Computer Science, Electronics-Computer Science etc.) you can have two or more supervisors from all the concerned Departments
   For Inter-University projects you can have supervisors from GEU or from Premiere Institutes (IITs , NITs and IIITs only). A co-supervisor from the Department can be taken.
   For Industry Collaborative Projects you can have supervisors from Prominent Industries (Major organizations only like Oracle, Amazon etc). A co-supervisor from the Department can be taken.
   For all Inter-Disciplinary, Inter-University and Industry-Collaborative projects you need to take prior permission.

8. Projects can be done individually or in groups. Maximum four students are allowed in a group.

9. Please fill up the initial details and abstract in the given format by Monday, 15th September, 2025. The same has to be submitted in hard copy either to Dr Amit Gupta, Dr Vikrant Sharma strictly by the deadline. Late submissions will not be accepted.

10. Any student who failed to attend all the project presentations or any other activity related to project will result in deduction in their marks. Student will be marked absent if he / she fails to submit the abstract and attend the presentation on the scheduled time

Format for Submission:

Tentative Title of the Project

Name(s) of student(s) along with University Roll No, Section (Maximum 4 students in a group)
Name of Supervisor and Signature of the Supervisor
Abstract of the Proposed Project

Proposal in Brief

Broad Area of Guidance of faculty members

Faculty Name	**Broad Area**
DR ASHOK SAHOO	Data Structures And Algorithms, Artificial Intelligence
DR MAHESH MANCHANDA	Data Mining And Predictive Analysis Using Machine Learning
DR PRATEEK SRIVASTAVA	Distributed Computing
DR VRINCE VIMAL	IOT, Communication Systems, IOT Agrotech, Mathematical Modelling
DR AMIT GUPTA	Data Science, Machine Learning, Deep Learning, NLP
DR AMIT KUMAR MISHRA	IOT Security
DR SUSHEELA	Image Processing, Deep Learning
DR AJAY KUMAR SHUKLA	Image Processing, Machine Learning
DR JYOTI JOSHI	Wireless Sensor Network, Multi Objective Optimization Power Electronics
DR DEVESH TIWARI	RF Antenna And Microwave, Microstrip Antenna Design For 5G And IOT Applications
DR VIKRANT SHARMA	Wireless Sensor Networks, IOT, Machine Learning
DR BINA BHANDARI	Deep Learning, Bigdata
DR CHANDRADEEP BHATT	Digital Image Processing
DR SAUMITRO CHATTOPADHYAY	Cyber Security
DR ASHISH GARG	Machine Learning Techniques
MR ANIL B DESAI	Data Analytics
MR DEEPAK SINGH RANA	Network Security
MR RAHUL CHAUHAN	IOT, Image Processing
MR NITIN THAPLIYAL	Big Data Analytics
MR AKASH CHAUHAN	AI And ML Techniques
MR MUKESH KUMAR	Cloud Computing And Network Security
MS MANIKA MANWAL	Machine Learning
MS MANISHA AERI	Machine Learning

MS SONALI GUPTA	IOT Vehicle
MR SUSHANT CHAMOLI	Docker And Network Security
MS RICHA GUPTA	Machine Learning, Deep Learning, Computer Vision
MR PURUSHOTTAM DAS	Cloud Computing
MS AYUSHI JAIN	WSN
MR SAMIR RANA	IOT, Database
MS LISA GOPAL	Cloud Computing
MS PREETI CHAUDHARY	Data Structures, Algorithms, Machine Learning
MR SAKSHAM MITTAL	Cyber Security , IOT
MS PALLAVI TIWARI	Deep Learning
MR DEEPAK UPADHYAY	IOT And Communications, Artificial Intelligence
MS PREETI BADHANI	Deep Learning
MS SONAL	IOT And Communications, Artificial Intelligence
MS PRIYANSHI AGARWAL	Image Processing, Machine Learning
MS SHRADDHA KAPARWAN	Software Engineering, Cyber Security
MR KAPIL RAJPUT	Artificial Intelligence
DR SEEMA GULATI	Machine Learning
MS RITIKA BADHANI	
MS AMRITA TIWARI	
MS STUTI BHATT	