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 (by 23rd September, 2024), 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 2025, 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, 23rd September, 2024. The same has to be submitted in hard copy either to Prof Amit Gupta or Prof Satvik Vats strictly by the deadline. Late submissions will not be accepted.

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

Name	Broad Area for Guidance
Dr. Satvik Vats	Data Science, Big data analytics, Machine Learning, Deep Learning
Akash Chauhan	AI, ML, DL, and Advance AI & ML techniques
Dr. Vrince Vimal	Iot, communication systems, IoT agrotech, Mathematical modelling
Manisha Aeri	Machine learning
Dr. Gunjan Chhabra	Machine Learning, Image Processing
Mukesh Kumar	Cloud Computing, Network Security, AI & ML
Dr. Prateek Srivastava	Distributed Computing and Deep Learning
Sonali Gupta	Machine Learning, Internet of Vehicles.
Dr. ASHOK KUMAR SAHOO	Pattern Recognition
Dr. Susheela Dahiya	Image Processing
Dr. Ajay Narayan Shukla	Machine Learning
Dr. Amit Kumar Mishra	IoT Security
Nitin Thapliyal	Machine Learning, Database Systems
Rahul Chauhan	IOT , Image Processing
Himadri Vaidya	Computer vision, Object Detection, Machine Learning, Deep Learning
Manika Manwal	Machine Learning
Dr Devesh Tiwari	RF antenna and Microwave, Microstrip antenna design for 5G and IoT applications.
Dr. Amit Gupta	Machine Learning
Dr. Rishika Yadav	Computer Network, Wireless Sensor Network, Multi Objective Optimization
Dr. Jyoti Joshi	Power Electronics, Grid connected Inverters
Richa Gupta	Deep Learning
Deepak Singh Rana	Network security, Machine learning, Deep Learning
Dr. CHANDRADEEP BHATT	Digital Image processing
Ayushi Jain	WSN
Purushottam Das	Image Processing and Classification

Dr. Mahesh Manchanda	Data Mining and Predictive Analysis using Machine learning
Anil B. Desai	Data Analytics
Samir Rana	IoT, Data Bases, Full Stack Web Development
Ms. Aditya Verma	Cyber Security, Machine Learning
Beena Bhandari	Machine Learning, Deep Learning, Bigdata
Animesh Srivastav	IoT
Sushant Chamoli	Docker, Network Security, Full Stack Web Development
Dr. VIKRANT SHARMA	Wireless Sensor networks, Iot, Machine Learning
Saumitro Chattopadhyay	Cyber Security
Kapil Rajput	Artificial Intelligence, Machine Learning
Lisa Gopal	Cloud Computing, Machine Larning
Preeti Chaudhary	Machine Learning
Ashish Garg	Machine Learning
Deepak Upadhyay	Artificial Intelligence, IoT and Communications
Saksham Mittal	Cyber Security, Machine Learning, IoT
Pallavi Tiwari	Machine Learning, Deep Learning
Preeti Badhani	Deep Learning
Sonal Malhotra	Artificial Intelligence, IoT and Communications
Amrish Sharma	Large Language Models
Dr. Piyush Bagla	Machine Learning, NLP
Priyanshi Agarwal	Machine Learning
Shraddha Kaparwan	Software Engineering, Cyber Security
Swati Joshi	
Ayush Kumar	
Ayush Maheshwari	