

Mini Project Notice for 6th Semester Students

All 6th semester students are hereby notified regarding their mini project for the current semester. Please note the instructions carefully

1. There will be two modes of project work. You can choose any one mode.
2. Mode 1 will be full implementation mode as before. Here the student has to select a topic based on the given themes and develop a working project. In this mode a student will work individually.
3. Mode 2 will be implementation plus a research report mode. In this mode maximum three students can work together on a project. The students will select a topic based on the given themes. They will have to perform two tasks: (i) Build a working prototype/tool/analysis/simulation (50 marks) and (ii) write an IEEE standard plagiarism free Research paper based on their work (50 marks). This mode students should also compulsorily work under a faculty member as their mentor.
4. The evaluation will happen sometime before/after the end term exams (the exact dates will be announced later)..

Themes for Mini Projects for students of 6th semester

The following are the themes for the mini projects in this semester. The students can take up any of the themes as per their liking and decide a topic based on the theme. The students are free to choose any topic that is relevant to the themes. The students are encouraged to take help of faculty members in deciding/verifying their topics. Mode 2 students are compulsorily required to select a faculty member as their mentor,

1. Data Analytics specific to the state of Uttarakhand (for example: forest fire, health scenario, migration from hills etc.)
2. Blockchain Technology for Trusted Environment
3. Green Computing
4. BioInformatics
5. A full scale ERP system
6. Generative AI (Chatbots not allowed)
7. Large Language Models (Chatbots not allowed)
8. Machine Learning for Human Assistance
9. AI for digital immunity & resilience:
10. AI in voice technology
11. Advances in Cyber Security
12. Low-code, no-code AI
13. AI/ML in medicine
14. Edge AI
15. Metaverse
16. Digital Twinning
17. Augmented Analytics
18. Automotive Hacking
19. Internet of Things on 5G networks
20. Multi and Hybrid cloud solutions
21. Virtual Reality and/or Augmented Reality
22. Secure Access Service Edge