

Notice: Mini Project Notice for 4th Semester

The following lists the topics of mini project for 4th Semester student. The paradigm of mini project this time is to enhance the thinking capabilities of the students.- The students should decide the intricacies of the project themselves. While the students can take the mentorship of the faculty members, the requirements and the subsequent solutions will be developed by the students themselves.

The projects should be done individually. Also, a cap of 30 numbers is kept for each project, i.e., each project can be taken up by a maximum of 30 students only.

Students are required to go through the list and keep a list of topics selected. The students will have to register their topics on Friday 22nd April, 2022, through a registration portal (the URL of the registration portal will be announced through a separate notice). The choice allocation will happen on first come first serve basis through the portal.

Project Number	Project Topic
1	Developing an Online Shopping Website: The website should have following features : adding/removing items from cart, similar products suggestion and login functionality.
2	Developing a group-chat web application: The web application should allow users to chat with each other and share photos and other multimedia content.
3	Cab Sharing Application: The web application should allow users to book a cab nearest to them enroute to their destination. It should be optimized so that the cab doesn't deviate much from its original route while at the same time serving multiple users.
4	Voice based text input system
5	Text to voice converter
6	Visualization of health datasets
7	Online medical management system
8	Web Scraper for webmd website
9	Malware detection and analysis
10	Smart home applications
11	Develop a high quality Android App for CSE Department that can be hosted in Google Play Store
12	Develop a chatbot that that answers FAQs related to different departments of GEHU
13	Develop an IoT based system to measure individual vital parameters {temperature, heart beats etc} and keep a record.
14	Create a web site / mobile app with Face recognition login feature and capable of using Voice commands to search data.
15	Develop a smartfarming app: This app will farmers to get timely advice on their farming issues. The farmers also should be able to upload photos of plants to get advice from experts. Experts will review and provide their advice over app.
16	Smart city applications
17	Bidding website
18	Carpool website
19	Crime logger
20	Digit Recognition
21	Face Recognition
22	Feedback system

23	Image Cryptography
24	Extracting data from scanned images
25	Online personal diary
26	Develop an app for mental health issues
27	Plagiarism Result Analysis
28	Develop a web site/mobile app to promote and support 'Organic Farming' in Uttarakhand. If you develop it as web site you must use modern frameworks.
29	Medical Test Recommender based on symptoms and questionnaire
30	Machine Learning for Personalized Treatment
31	Develop a high quality digital health application
32	Scene generation using Virtual Reality
33	Online whiteboard
34	Blockchain based food distribution system
35	Blockchain based Health Records of citizens
36	Develop a high quality Android App for GEHU that can be hosted in Google Play Store
37	Resume Screening based on Job Description
38	Malware scanning in Cloud
39	Phantom Campaigns
40	Web Application for Hostel-Mess Management
41	Develop applications to automatically collect behavioral data from mobile devices and analyze the data
42	Detection of cyber bullying in Social Media posts
43	Expenditure management system
44	Task Management system for a Student
45	Online Examination
46	Learning Management System
47	Building games using C++
48	Use of IoT for the disabled
49	Emotion based music player
50	Simulator for 8086
51	Sentiment Analysis of tweets to understand major issues of a product/company
52	Online collaboration system
53	Mobile App to represent the biodiversity of Uttarakhand
54	E-Voting system
55	File Comparison and Merging
56	Image processing