

### **Mini Project Notice for 3<sup>rd</sup> Semester**

All students of 3<sup>rd</sup> Semester (CSE and CSE Specializations) are notified regarding their mini projects. The mi

As the 3<sup>rd</sup> semester students are not familiar with mini-projects, the following information is shared so that they are ready with the requirements:

1. Mini Projects are part of the scheme of study every semester starting from 3<sup>rd</sup> semester to 6<sup>th</sup> It consists of 100 marks.
2. It consists of working on a topic/theme given by the Department. The topics are usually mid sized projects that involves extensive coding work resulting in building a fully working product in a timeline of approximately one and half months. The students are expected to follow strict coding standards.
3. Each student will work individually on their own. There are no group projects.
4. Evaluation will happen immediately after the End term exams. So, the students should complete their projects accordingly.
5. Evaluation is done by External Experts from the Industry.
6. Mini Projects are extensively asked for explanation by placement companies. Students who make high quality projects get upper hands during placements.
7. Students should note that there is a high failure rate in mini projects, hence they should concentrate on creating standard work. Copying from each other, copying from internet etc will result in direct Fail along with facing other academic disciplinary measures. Be wary of this.

### **Themes for Mini Projects for students of 3<sup>rd</sup> 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. There is no restriction on the programming language used, they can use any language they are familiar with.

A foolproof Automated Attendance System

Intelligent chatbot specifically for GEHU (general chatbots will not be accepted)

Intelligent chatbot specifically for CSE Department (general chatbots will not be accepted)

Internet of Things

Blockchain

Use of IT in Agriculture

A complete voice to text and text to voice system for Indian Languages

User friendly software tool for Answer Script Evaluation

Any software tool to tackle problems specific to Uttarakhand

Any software tool for helping disabled/blind people.

Cyber Security

AI in non CS areas