Veer Madho Singh Bhandari Uttarakhand Technical University
Dehradun (Uttarakhand) - INDIA

VEER MADHO SINGH BHANDARI UTTARAKHAND TECHNICAL UNIVERSITY

SUMMER INTERNSHIP PROGRAM

Duration : 6 Weeks starting from 15th June,2024 tentatively.

Eligibility : IIIrd year(6th sem) B.Tech students of VMSB UTU, Dehradun.

Problem Statements : Till now there are 7 problem statements, 3 more problem statements will be added on later.

Internship Stipend : Stipend Rs.6000/- per student upon successful completion of internship.

info@uktech.ac.in

Veer Madho Singh Bhandari Uttarakhand Technical University Dehradun (Uttarakhand) - INDIA

Summer Internship Projects

Duration: 6 weeks starting from 15th June 2024 tentatively
Eligibility: IIIrd year B. Tech. students of VMSBUTU Dehradun
Internship Stipend: Rs. 6000/- per student in group of two students
Contact regarding internship Program: info@uktech.ac.in

1. **Lip syncing to text / video conversion for dumb people**

   It aims to assist the dumb people with disability of no voice but ability to speak with lip movement in translating it into text / video format. The final development has to be an AI tool is to be developed for capturing the speech of a dumb person through lip movement in text and video format.

2. **VR assisted walk through of VMSB Uttarakhand Technical University Dehradun**

   It aims at creation of a VR assisted virtual tour of Veer Madho Singh Bhandari Uttarakhand Technical University Dehradun building and campus. The final development should facilitate the user to walkthrough the campus and premises of VMSBUTU Dehradun.

3. **AI enabled personal call assistant for mobile phones**

   It aims at creating a mobile application which should act as personal mobile phone call assistant who will take calls from the mobile numbers that are not part of contact list in the phone. This assistant will ask few questions as to who the caller is and what is the purpose of caller and if it is within the interest domain set by the user, the notification for picking up call will be made to the user. The development has to in the form of an application that can be installed on mobile phone and the user can decide the general questions to be asked by the call assistant to scrutinize whether the unknown calls are to be accepted or rejected.

4. **2D map to 3D Building using AR**

   It aims at translating the line drawings of maps into the 3d building model on mobile phone using Augmented Reality. The final development should be in the form of a mobile application that can be installed on mobile phone and the user can scan any line drawing of map with standard notations used in it and it will generate the 3D building for visualizing how does it look line on mobile phone.

5. **Mobile based Attendance Management System**

   It aims at facilitating the teacher in a class room to just take picture of class room such that photograph of every student in class is captured and the attendance of students is automatically marked. The final development has to be a mobile application that permits the teacher to register every student in class with their photographs and subsequently use it for marking attendance of students in class room just by clicking a class photographs with attendees in it and the attendance is marked automatically.

6. **AI assisted smart meeting summarizer**

   It aims to develop a mobile application that can capture the proceedings of an offline and online meetings by recognizing the photograph of who says what. The final development has to be AI based mobile application that permits to capture the details of all participants of any meeting with their details and photograph and subsequently, this application records the proceedings in the text / video form that can be subsequently used for preparing the minutes of the meeting correctly.

7. **University / Institute Ranking System**

   It aims to develop a mobile / desktop application that can capture the requisite data for ranking of the Universities in the state / Institutions in the UTU. The tentative details to be captured include Teaching, Learning Resources, Research & Professional Practice, Placement Record, Outreach & Inclusivity, Perception, etc.

   ****