University Institute of Engineering & Technology,
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Applications for Project Interns

Applications are invited along with bio-data and attested copies of certificates of qualification, experience, etc. for temporary position of **10-Project Interns** at Panjab University, Chandigarh under Research project *"Multi-Modal Framework for Monitoring Active Fire Locations (AFL) & Precision in Allied Agricultural Activities using Communication Technologies"* sanctioned by Ministry of Electronics & Information Technology (MeitY), Government of India, R&D in CC&BT. These positions are for a period of 06 months extendable up to other One /Two years OR as per requirement OR coterminous with project, depending upon the satisfactory performance of the candidate and the continuation of funding from the sanctioning authority.

Number of Interns: 10

- **Essential Qualifications:** $2^{nd}/3^{rd}/4^{th}$ year students of B.E./B.Tech./MCA in Computer Science and Engineering / Software Engineering / Information Technology or 1st year students of M.E./M.Tech of Computer Science and Engineering / Software Engineering / Information Technology/MCA

The incumbent is expected to work in the fields Web Application Development, Android, IoS, Internet of Things, Sensors, Satellite Data and Imaging, Machine Learning and Deep Learning etc. in the following roles:-

- **Design of App (Android and IoS) and web-Interfaces: -** Interns are required to help in design and building apps for various tasks on Android and IoS platforms.
  Skill set Requirements: -Knowledge of working on backend, Android toolkit, front end, web-site design is required.
- **Research and Development:** Remote Sensing and Identification of Active Fire Locations from Satellite data using Machine Learning and Deep Learning Algorithms. To decode and transform the data given by the research and development team into geographical locations and help in implementation of various machine learning algorithms on the provided data.

Some **salient features** of the internship are:

- Learning about Innovation, Designing and Implementing Prototypes and Commercialization of solutions.
- Primary areas of learning will be in the areas of data acquisition through sensors, cloud storage, analysis of data using machine and deep learning, development of web and mobile interface.
- Students will work on the live project in a group comprising of experienced faculty, research scholars, and Government officials.
- Flexible working hours, access to library, lab resources, GPUs, etc.

- A Certificate and Letter of Recommendation will be given to each student at the end of successful completion of the Attachment.
- Emoluments per month: **Rs. 5,000/-** (Subject to Satisfactory Work)

Skill set Requirements: -Knowledge of Machine and deep learning algorithms, Remote Sensing, Vision and Algorithms, Working with Python libraries etc.

Applications with complete Curriculum Vitae containing Qualifications, Experience, Publications, Mailing Address, Email-ID, Phone Number with a brief write-up of current/future research interests supported by scanned self-attested copies of all relevant documents should reach the office of undersigned within 21 days of publication of this advertisement at Panjab University's website with the subject line *"Application for Project Intern under MeitY Project" mentioned* on the envelope also.

Apply here:- https://forms.gle/7V39bfG3qFhKj4qj8

The date and venue of the interview will be conveyed to the eligible candidates through email or phone.

No separate call letters would be issued for the interview.

No TA/DA will be paid to the candidates for attending the interview.

Harish Kumar
Principal Investigator and Professor in CSE
UIET, Panjab University, Chandigarh