

Thapar-TAU Center for Excellence in Food Security

Thapar Institute of Engineering and Technology, Patiala

We are looking for suitable candidates for the post of Programmer cum Research Fellow in the collaborative international project of TIET, Patiala, Tel Aviv University, Israel and PAU, Ludhiana.

The selected PG candidate can get the opportunity to work in the same area for their PhD under the mentors.

Title of the project	Digital Village: A Data-Driven Approach to Precision Agriculture in Small Farms Project
Project Duration	1 Year
Mentors	Prof. Parteeek Bhatia, Dr. Karun Verma, Dr. Amit Mishra (TIET, Patiala) Prof. Dhanwinder Singh, Prof. Manjeet Singh, (PAU Ludhiana)
International Partner	Prof. Yosi Shacham, Prof. Eyal Ben Dor, Prof. Ram Fishman (TAU, Israel)

Detail of the Position:

Name of Post:	System Engineer(01)
Proposed Emolument:	Rs. 20000/ pm
Eligibility Criterion:	BE/MCA/M.E./ MTech. in Computer Science
Duration	The position is available for one year that may be extended for another year based on performance.
Essential Skills	The candidate should have hands on experience in Python (Google Earth, Screenshot functionality using selenium, Stat calculations), Machine Learning, CNN and RNN, Cloud Storage and deployment of ML models, Writing scientific literature
Job Description	Development of AI based models for building applications (android/web-based) to enrich farmer's interaction with Digital Technologies to enhance yield productivity. Interactive application development using Google Earth Engine, Performing Data analytics on the satellite data, and environment data collected from various sensors, building deep learning models on Visual data collected for various crops for identification of disease and crop, Follow Contemporary research in the area of precision farming and generate novel solutions for problems faced by farmers.
Desirable	Candidate having experience in building and deployment of various ML models; Web-app development and deployment. Cloud storage and deployment experience.
How to apply	Interested candidates should submit their detailed Curriculum Vitae (CV) through email to parteek.bhatia@thapar.edu with cc to karun.verma@thapar.edu the subject marked as "Application of Research Fellow" positively by August 05, 2022 .

The selected candidates will be informed about their zoom meeting with the mentors.

For any further information/clarifications, the applicants may contact directly by email at parteek.bhatia@thapar.edu and karun.verma@thapar.edu or Call at +91-9888002791.

Dr. Partee Bhatia **Dr. Karun Verma**
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