

01 x MSC Position for HEC Funded TDF Project

Applications are invited from Pakistani Nationals for **funded MSc Scholar position** for the HEC-funded TDF project “**Democratizing Robotics in Pakistan: Design and Development of Multidimensional Robotic Platform for STEM Education**”. The project is being executed at Swarm Robotics lab, established at the University of Engineering and Technology Taxila. The MS Scholar will work on the development of a web-based Remote Robotics Lab and different software/APIs.

Qualifications:

At least BS/BE degree in Computer/Software/Electrical/Electronics/Mechatronics Engineering, Computer Science or similar discipline (16 years education) from HEC/PEC recognized universities/institutes; preferably with prior experience in full-stack web development, API design, DevOps, and containerization.

The required skills are

- Frontend: React, Vue.js, Angular
- Backend: Node.js, Django, Flask, FastAPI
- APIs: REST, WebSockets, gRPC
- Containerization: Docker, Kubernetes, Docker Compose
- Networking: WebSockets, gRPC
- Databases: PostgreSQL, MongoDB, Firebase

Only Candidates having practical knowledge/skills of the above-mentioned areas with prior experience will be preferred.

Duration: Sixteen (16) Months extendable to Eighteen (18) Months.

Stipend: Rs. 40,000/- per month with **Fee waiver**.

It is clarified that the above positions are purely Ad-hoc appointments against the aforesaid project for the maximum period specified.

Application Procedure:

- i. Interested candidates must have to secure admission in **MS Computer Engineering/Software Engineering/Artificial Intelligence** in the **Postgraduate Admissions FALL-2025** of University of Engineering and Technology, Taxila, Pakistan. The admission application submission deadline is **Friday, August 15, 2025**.
For admission details, visit <https://web.uettaxila.edu.pk/pgadmissions>
- ii. Already Enrolled students in MS Computer/Software Engineering and Computer Science fulfilling eligibility requirements may also submit CV, Cover Letter and Academic Documents to **Registrar Office**.
- iii. After submission of application, a scanned copy of all the relevant documents should be sent via email to srl.ncra@uettaxila.edu.pk with subject titled “***Application for MSc Position for TDF***”
- iv. No TA/DA will be admissible for appearing in the interview.
- v. Only candidates (**with secured admission**) will be called for interview.
- vi. For any further information, contact muhammad.usman@uettaxila.edu.pk.