

Research Fellow Position at Electrical and Computer Engineering Department under HEC-NRPU Project No. 15687

Applications are invited from suitable candidate (01 x position) to work on HEC funded NRPU research Project titled “**Development of Intelligent Counter-Unmanned Air Vehicles System for Security-Sensitive Institutions**”.

- 1. Requirements:** The candidates have PhD Degree in Electrical/Computer Engineering/Computer Science with **demonstrated post-PhD experience of around 4-5 years** in developing Computer Vision/Machine/Deep learning solutions for object detection is eligible to apply for this post. The selected candidate must dedicatedly spare **8hrs/week** for the successful completion of the project under the supervision of PI.

- 2. Responsibilities/ Expertise:**
 - a. The applicant should be an ambitious experience researcher with demonstrated expertise of working/developing **computer vision and machine learning/artificial intelligence (AI) based solutions** for real-time object detection (specifically UAV detection). Moreover, he must have expertise of working on Linux based operating system and hands-on experience of working on **Python and MATLAB**. The applicant must have excellent writing skills and have successfully published the R&D work in Internationally recognized Journals, conferences, and magazines.
 - b. Research fellow will be **responsible to publish/submit** at least **one SCI paper** (IEEE Transactions or high Impact factor, Q1) **within 3 months of time**. Otherwise, his contract will be terminated.
 - c. Research fellow must provide the No Objection Certificate (NoC) from his/her parent organization at the time of application against this post.
 - d. Research fellow will be responsible to assist MS/PhD student in research and development process.
 - e. In addition, experience of working on Software Defined Radios (SDR) will be a plus. The selected applicant will carry out research and development work related to designing of Unmanned Air Vehicles (UAV) detection systems.

- 3. Benefits:** Selected candidate will be admissible to fixed monthly stipend of **PKR 40,000** from project budget subject to release of funds from HEC and satisfactory performance for a period of six months, that can be extended to 1 year based on satisfactory performance.

The interested candidates can send their CVs by email or in hard form to the undersigned by **16th September 2022**.

Only short-listed candidates will be called for interview.

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