

### **Job Title: Senior Research Fellow (SRF)**

We are seeking engineers with expertise in wireless communication system. The role involves research and development in the area of intelligent 6G networks. The candidates should have a strong wireless communication background and hands-on experience in MATLAB/Simulink, C/C++ and Python programming, and software defined radios (SDR).

#### **Required Skills:**

- Sound knowledge in wireless communication fundamentals, particularly L1/L2
- Sound knowledge of computer networks and internet protocols
- Sound knowledge of AI especially ML/DL/RL/GenAI models
- Experience and understanding of standards, such as, 3GPP, O-RAN, IEEE, ITU, IETF, etc.
- Working with open source software in Linux environment, such as, OpenAirInterface (OAI), srsRAN, and open hardware e.g. USRP, Arduino, Raspberry Pi, etc.
- Knowledge of mathematical modeling e.g. optimization, probability & statistics, linear algebra, etc.
- Knowledge of C, C++, python, MATLAB
- Scripting and automation skills
- Knowledge of hardware and embedded systems
- Excellent verbal and writing skills in English for presentations/patents/publications
- Self-driven with research orientation

#### **Educational Qualifications:**

- M.Tech/M.S. in Electronics & Communication Engineering, Electrical Engineering or Computer Engineering.
  - ❖ Interested candidates may email their resumes to [comet@iiitb.ac.in](mailto:comet@iiitb.ac.in) and mention the role for which you are applying clearly in the subject of the email.