इंडियन इंस्टीट्यूट ऑफ टेक्नोलॉजी दिल्ली

हौज खास, नई दिल्ली -110016

(औद्योगिक अनुसंधान एवं विकास इकाई)

INDIAN INSTITUTE OF TECHNOLOGY DELHI

Hauz Khas, New Delhi-110016

(Industrial Research & Development Unit)

No. IITD/IRD/RP04156G/ 22 7159   Advertisement No.: IITD/IRD/254/2023

Dated:26/12/2023

Applications from Indian nationals are invited for Project Appointment under the following project. Appointment shall be on contractual basis with consolidated pay, renewable yearly or upto the duration of the project, whichever is earlier. निम्नलिखित परियोजना के तहत भारतीय नागरिकों से आवेदन आमंत्रित किए जाते हैं। अपॉइंटमेंट, अनुबंधित आधार पर समेकित वेतन, नवीकरणीय वार्षिक या परियोजना की अवधि तक, जो भी पहले हो, के साथ होगा।

Title of the Project	Next Generation Wireless Research and Standardization on 5G and Beyond (RP04156G)
Funding Agency	Ministry of Electronics and Information Technology
Name of the Project Investigator	Prof. Brejesh Lall [email ID:5g.bhartischool@gmail.com]
Deptt/.Centre	Department of Electrical Engineering
Duration of the Project	Upto:29/07/2024

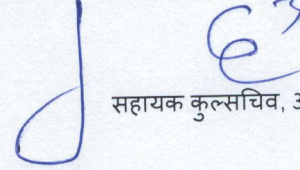| Post (s)	Consolidated fellowship / Pay-slab	Qualifications
Research Associate -III (01) – (AA)	Rs.54,000/-p.m. plus HRA @ 24%	(AA) Ph.D./MD/MS/MDS or equivalent degree or having 3 years of research, teaching and design and development experience after MVSc/M.Pharm/ME/M.Tech. with at least one research paper in Science Citation (SCI) Journal. Desirable: Experience with edge computing solutions Experience of working with standards documents Exposure to patent drafting process Hands-on with edge computing Knowledge of 5G system architecture.
Research Associate -III (01) – (BL)	Rs.54,000/-p.m. plus HRA @ 24%	(BL) - Meet all 3 criteria: 1. Ph.D. in ECE or CSE or ELEC Engineering 2. Three years of research, design, and development experience in mobile network technology 3. at least one research paper in Science Citation (SCI) Journal. Desirable: Experience of working with standards documents Exposure to patent drafting process and Knowledge of 5G system architecture, slicing, Edge computing. Telecom industry relevant experience will be preferred.
Project Scientist (01) (AK)	Rs.35,400-37,900-40,400-43,600-46,800-50,000/- p.m. plus HRA @ 24%	(AK) - B. Tech. / M.Tech. (with GATE qualification) 1st class or equivalent in the appropriate discipline. Must have knowledge of wireless communication networks along with Good knowledge of coding theory, detection and estimation theory, cooperative communications, MIMO, 5G standards and testbed, low latency communications, machine learning/deep learning and Programming proficiency in C/C++/MATLAB and working knowledge of CEWiT's Broadband Wireless Simulator, Working knowledge of OAI simulator. *The requirement of GATE qualification may be relaxed by the committee in case of highly meritorious candidates.
Project Scientist (01) (DS) (01)	Rs.35,400-37,900-40,400-43,600-46,800-50,000/- p.m. plus HRA @ 24%	(DS) - B. Tech. (with GATE qualification) / M. Tech in relevant field / 1st class or equivalent in the appropriate discipline. Desirable: (a) M.Tech. degree in computer science or IT, (b) Prior work experience in 5G test-bed and document standardization(c) Have some familiarity with the following: Machine learning, Hardware Security. *The requirement of GATE qualification may be relaxed by the committee in case of highly meritorious candidates

Jr. Research Fellow (AA) (01)	Rs.31,000/-p.m. plus HRA @ 24%	(AA) Post Graduate Degree in Basic Science with NET qualification or Graduate Degree in Professional Course with NET qualification or Postgraduate Degree in Professional Course with NET/GATE* Desirables: Python programming. Network programming. Experience with network programming. Experience in having read IEEE or 3GPP standards. *The requirement of NET/GATE examination for the selection to the post of JRF/SRF may be relaxed for the candidates who have graduated from Centrally Funded Technical Institutes (CFTIs) with a CGPA of more than 8.000 (80% aggregate marks).
Jr. Research Fellow (BL) (01)	Rs.31,000/-p.m. plus HRA @ 24%	(BL) Post Graduate Degree in Basic Science with NET qualification or Graduate Degree in Professional Course with NET qualification or Post Graduate Degree in Professional Course with NET/GATE. Desirable requisites: Mechanical engineering degree with exposure to electronic control systems and College courses/ certifications in basic Linear Algebra, Optimization techniques and Machine Learning models with coding in Python/R for Haptics. *The requirement of NET/GATE examination for the selection to the post of JRF/SRF may be relaxed for the candidates who have graduated from Centrally Funded Technical Institutes (CFTIs) with a CGPA of more than 8.000 (80% aggregate marks).
Jr. Research Fellow (SM) (01)	Rs.31,000/-p.m. plus HRA @ 24%	(SM) - Post Graduate Degree in Basic Science with NET qualification or Graduate Degree in Professional Course with NET qualification or Post Graduate Degree in Professional Course with NET/GATE with Strong background knowledge in designing mm wave antenna, Experience and knowledge in simulations of printed end-fire antennas and their arrays, Experience in antenna design simulation software e.g. HFSS, CST. *The requirement of NET/GATE examination for the selection to the post of JRF/SRF may be relaxed for the candidates who have graduated from Centrally Funded Technical Institutes (CFTIs) with a CGPA of more than 8.000 (80% aggregate marks).
Jr. Research Fellow (AK) (01)	Rs.31,000/-p.m. plus HRA @ 24%	(AK) Graduate / Post Graduate Degree in Engineering (ECE/CSE/IT or equivalent) with GATE along with Good knowledge of coding theory, detection and estimation theory, cooperative communications, MIMO, 5G standards and testbed, low latency communications, machine learning/deep learning and Programming proficiency in C/C++/MATLAB and working knowledge of CEWiT's Broadband Wireless Simulator. *The requirement of NET/GATE examination for the selection to the post of JRF/SRF may be relaxed for the candidates who have graduated from Centrally Funded Technical Institutes (CFTIs) with a CGPA of more than 8.000 (80% aggregate marks).

The candidates who are interested to apply for the above post should download **Form No. IRD/REC-4** from the IRD Website **(http://ird.iitd.ac.in/rec)** of IIT Delhi and submit the duly filled form with complete information regarding educational qualifications indicating percentage of marks/division, details of work experience etc. **by e-mail with advertisement No. on the subject line to Prof. Brejesh Lall at email id:5g.bhartischool@gmail.com**

NOTE: THE CANDIDATES WHO HAD ALREADY APPLIED FOR THE SAME POST(S), PLEASE NEED NOT TO APPLY AGAIN AND MENTION THE POST CODE WHILE APPLYING FOR SIMILIAR POSTS.

IIT Delhi reserves the right to fix higher criteria for short-listing of eligible candidates from those satisfying advertised qualification and requirement of the project post and their name will be displayed on web link (http://ird.iitd.ac.in/shortlisted) alongwith the online interview details. **Only short-listed candidates will be informed for online interview.** In case any clarification is required on eligibility regarding the above post, the candidate may **contact Prof. Brejesh Lall** at **email id: 5g.bhartischool@gmail.com** 5% relaxation of marks may be granted to the SC/ST Candidates. अनुसूचित जाति / अनुसूचित जनजाति के उम्मीदवारों को अंकों की 5% छूट दी जा सकती है. एक सेवानिवृत सरकारी कर्मचारी के चयन के मामले में उसका वेतन वर्तमान आईआरडी मानदंडों के अनुसार तय किया जाएगा। **The last date for submitting the completed applications by e-mail is 09/01/2024 by 5.00 p.m.**

सहायक कुल्सचिव, आईआरडी

वितरण

- Head of the Deptt./Centres/Units :

  It is requested that the contents of the Above Advt. be brought to the notice of the staff working in your Deptt./Centre/Unit

- Webmaster, IRD :
- Notice Boards

  To put advertisement at IITD website.
- Advertisement file
- Prof. Brejesh Lall, PI, Department of Electrical Engineering
- Copy to Chairperson, DRC/CRC