



INDIAN INSTITUTE OF TECHNOLOGY PATNA
BIHTA PATNA-801106
RESEARCH & DEVELOPMENT UNIT

ADVERTISEMENT NO: R&D/719/IPAN/260

DATED: 06.02.2023

Project No.: R&D/SP/EE/IPAN/2022-23/719

Applications are invited in the prescribed format only for the following assignment in a purely time bound research project undertaken in this institute.

1. (a) Name of the temporary assignment : Junior Research Fellow (JRF)
(b) Number of Post : One (01)
(c) Duration of the Post : Three Years (03)

2. Name of the temporary research project : Integrated Photonic Artificial Neural Networks (INPATIENT)

3. Name of the sponsoring Agency : Department of Science and Technology, International Division, under India Italy Call for Significant Research Scheme.

4. Consolidated Fellowship/Salary: INR. 31,000/- + HRA for 1st and 2nd Year and INR. 35,000 + HRA for 3rd year

5. Qualifications & Experience: A candidate must satisfy one of the following criteria:

A. Candidates having M.Tech./M.E. degree in Signal Processing & Communication Networks, Communication Systems or Electronics and Communication Engineering or relevant specialization, with a minimum CPI of 6.5 or 60% of marks.

B. Bachelor's degree in Electrical Engg., Electrical and Electronics Engg., Electronics Engg., Electronics and Telecommunication Engg. or Electronics and Communication Engg or relevant branch (from any Institute other than IITs) with a minimum CPI of 8.0 or 75% of marks.

C. Bachelor's degree in the areas mentioned in point B from an Indian Institute of Technology (IIT) in a relevant area with a minimum CPI of 7.0.

D. Master's degree in Science in a relevant area with a minimum CPI of 7.5 or 70%.

Preference shall be given to the GATE/NET qualified candidates having experience in the field of Communication Engg., Signal processing. Candidates **knowing the design, simulation, and characterization of integrated photonic devices/systems**, optical communication, Machine learning, and Deep learning will be given preference. Additionally, it will be preferred if the candidate is familiar working with COMSOL, and Lumerical software.

6. The upper age limit is 28 years (B.Tech./B.E./M.Sc) and 32 years (M.Tech./M.E./M.S) to be calculated as on the date of the interview. Relaxations for SC/ST/OBC/Women/PD will be given as per the GoI rules.

7. General Terms and Conditions: The position is purely temporary. Initially, the appointment will be for only one year, and it may be further extended based on satisfactory performance. The selected candidate will be allowed to apply for PhD program of the EE department at IIT Patna through proper procedure.

Interested and eligible candidates may appear for the **WRITTEN TEST/WALK-IN INTERVIEW** on **24th February 2023** at **2pm** at Dr.Sumanta Gupta, Dept. of Electrical Engineering, IIT Patna, Bihta, Patna – 801106 with an updated resume along with the original copies of all supporting documents (certificates, mark-sheets, and degrees). No TA/DA is admissible for appearing in the interview.

For any query contact Investigator: **Dr.Sumanta Gupta, Dept. of Electrical Engineering, IIT Patna, Emails:sumanta@iitp.ac.in** Tel.: +91-6115-233096

Deputy Registrar

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1. Associate Dean, R&D, IIT Patna
2. Advertisement file
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FORMAT OF APPLICATION FOR RECRUITMENT OF JRF

Name & Address Including email id and Phone no. (for Correspondence)	Category (GEN/OBC/SC/S T/PD)	DOB dd/ mm/yy	Professional Exam. (GATE/CSIR-NET, etc) & Validity
NAME IN CAPITAL Address: Phone: Email:			
Educational Qualification			
Institute/ Board	Exam Passed	Year of Passing	% of Marks/CPI
	10 th Class		
	12 th Class		
	Bachelors (B.Sc/B.Tech/B.E./BCA) or equivalent		
	Masters (M.Sc/M.Tech/M.E/MCA/ MA) or equivalent		

Qualifying degree	Degree/ major/Specialization
(B.Sc/B.Tech/B.E./BCA)	
(M.Sc/M.Tech/M.E/MA/MCA)	
Others	

Signature of applicant

Date:

Place: