



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

**ADVT NO: R&D/719/IPAN/292**

**Date: 28.06.2023**

Applications are invited through the online form only for the following assignments in a purely time-bound research project undertaken in this institute. **Interviews will be conducted online.**

**Date of Online Interview: 10<sup>th</sup> July 2023 at 11AM. Last date of filling application form: 8<sup>th</sup> July 2023.**

Interested and eligible persons may apply by filling up the form given below. The complete form should be sent to Dr. Sumanta Gupta, Dept. of Electrical Engineering, IIT Patna, Email: [sumanta@iitp.ac.in](mailto:sumanta@iitp.ac.in)

**The applicant must qualify any exams like GATE/UGC-NET/National level examinations conducted by central Govt. department and agencies and Institutions such as DST, DBT, DAE, DOS, DRDO, MHRD, ICAR, ICMR, IIT, IISc, IISER, etc.**

Name of The Research Project		Integrated Photonic Artificial Neural Networks (INPATIENT)			
Project Number as per IIT Patna Record: 719					
Name of the temporary assignment	Number of Posts	Duration of the Post	Name of the sponsoring Agency	Consolidated Fellowship	Contact Information
Junior Research Fellow	One (01)	Initially for 1 year, may be extended for maximum 3 years or till the end of the project, whichever is earlier	Department of Science and Technology, International Division, under India Italy Call for Significant Research Scheme	INR. 31,000/- + HRA for 1 <sup>st</sup> and 2 <sup>nd</sup> Year and INR. 35,000 + HRA for 3 <sup>rd</sup> year  Note: Revised Emoluments may be provide subject to the approval	Dr. Sumanta Gupta, Dept. of Electrical Engineering, IIT Patna,  Email: sumanta@iitp.ac.in Tel.: +91-6115-233096
<b>Qualifications &amp; Experience</b>	A candidate must satisfy one of the following criteria: <ul style="list-style-type: none"><li>➤ Candidates having M.Tech./M.E. degree in Signal Processing &amp; Communication Networks, Communication Systems or Electronics and Communication Engineering or relevant specialization, with a minimum CPI of 6.5 or 60% of marks.</li><li>➤ 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.</li><li>➤ 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.</li><li>➤ Master's degree in Science in a relevant area with a minimum CPI of 7.5 or 70%.</li></ul> Preference shall be given to the GATE/NET qualified candidates having experience in the field of Communication Engg., Signal processing. Candidates <b>knowing the design, simulation, and characterization of integrated photonic devices/ systems</b> , 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.				

**General Terms and Conditions:**

- The selected candidate will be allowed to apply for PhD program of the EE department at IIT Patna following proper procedure.
- The shortlisted candidates will be informed accordingly to appear for the online interview. The incomplete application will not be considered.



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- **Online Interview Link: Intimated via email to the shortlisted candidates**  
**PROJECT CODE: 719**

**ADVT NO: R&D/719/IPAN/292**

**DATED:28.06.2023**

**FORMAT OF APPLICATION FOR RECRUITMENT OF JRF**

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

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

Date: 28.06.2023

Place: IIT PATNA