



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

**Project Number: ULJ-817**

**ADVERTISEMENT NO: R&D/817/ULJ/410**

**DATED: 20.09.2024**

**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  
**(b) Number of Post** : One (01)  
**(c) Duration of the Post** : Initially for 1 year, may be extended for maximum 2 years or till the end of the project, whichever is earlier  
**(d) Name of the temporary research project** : “Ultra low Jitter, Low Spur and Low power Frequency Synthesizers for High Speed Data Converters, Wi-Fi 7, 5G and beyond Communication Systems”
- 2. Name of the sponsoring Agency** : Science and Engineering research Board (SERB)
- 3. Consolidated Fellowship** : Rs. 37000/ for the first two years followed by Rs. 42,000/- for the 3<sup>rd</sup> year
- 4. Qualifications & Experience** :
  - a) For candidates with M.Tech./ME/MS degree in VLSI/ Communication/ Electronics/ Instrumentation: first class (minimum 60% marks or 6.50 CPI) in M.Tech./ ME/MS with GATE/NET qualifications and first class (minimum 60% marks or 6.5 CPI) in B.Tech./ BE.
  - b) For candidates with B. Tech./BE in Electronics/Electrical/Instrumentation) as qualifying degree: 70% marks or 7.50 CPI in B.Tech./ BE from institutes other than IITs /IISc and 7.0 CPI in B.Tech. from IITs and IISc.
  - c) Candidate with knowledge of designing CMOS circuits, eps PLL, and experience of using CAD tools like Cadence will be given preference

**The applicant should have qualified GATE or any other national level exam like NET.**

Note: The candidate will be encouraged to apply for admission in PhD program at IIT Patna.

Interested and eligible persons may apply by emailing their application in the prescribed format along with a CV emphasizing their suitability for the project to:

**Dr. Yatendra Kumar Singh, Department of Electrical Engineering, IIT Patna, Email: [yatendra@iitp.ac.in](mailto:yatendra@iitp.ac.in) Tel.: 06115-233092.**

The shortlisted candidates will be informed accordingly to appear for the online interview. The incomplete application may not be considered.

**Last date of receiving application: 18-Aug-2024**

Online Interview Link will be intimated via email to the shortlisted candidates



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**FORMAT OF APPLICATION FOR JRF**

<b>Name &amp; Address</b> <b>Including email id and Phone no.</b> <b>(for Correspondence)</b>	<b>Category</b> (GEN/OBC/SC/S T/PD)	<b>DOB</b> dd/ mm/yy	<b>Professional Exam.</b> <b>(GATE/CSIR-NET, etc) &amp;</b> <b>Validity</b>
<b>NAME IN CAPITAL</b> Address:    Phone: Email:			

**Educational Qualification**

Institute/ Board	Exam Passed	Year of Passing	% of Marks/CPI
	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/ 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: