



INDIAN INSTITUTE OF TECHNOLOGY PATNA
Bihta, Patna – 801106
Research and Development Unit

ADVERTISEMENT NO: R&D/817/ULJ/395

DATED: 22.07.2024

PROJECT CODE: R&D/SP/EE/ULJ/2023-24/817

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 SpeedData 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 3rd 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

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: 21-Aug-2024

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



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FORMAT OF APPLICATION FOR JRF

| Name & Address Including email id and Phone no. (for Correspondence) | Category (GEN/OBC/SC/S T/PTD) | DOB dd/ mm/yy | Professional Exam. (GATE/CSIR-NET, etc) , Specialization(EE/EC/IN/CS), and GATE Score and rank along with the year of GATE Score |
|---|--|------------------|---|
| 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.Tech/B.E.) or equivalent | | |
| | Masters (M.Tech/M.E) or equivalent | | |

| Qualifying degree | Degree/ major/Specialization |
|----------------------|------------------------------|
| (B.Tech/B.E.) | |
| (M.Tech/M.E) | |
| Others | |

Date:
Place:

Signature of applicant