ADVERTISEMENT FOR RECRUITMENT OF PROJECT STAFF UNDER
ISRO STIC CELL

Dated 16.11.2020

Applications are invited from Indian Nationals with valid GATE scores or National Level Eligibility Test for Junior Research Fellowship (JRF Positions) as per the details given below under 6 different technology development projects sanctioned under ISRO STIC Cell and funded by ISRO. Details of the projects, essential requirements have been given in the Annexure for all the 6 Projects.

Guidelines for Applying:

A. Candidates before appearing for the interview shall ensure that they are eligible for the position they intend to apply.
B. Candidates applying for more than one project must send separate applications for the respective Principal Investigators (PI’s)
C. Candidates desiring to appear for the Interview should submit the soft copy of the applications with the following documents to the respective PI’s of the listed projects specifying the code
   - Filled in application should be furnished only in the prescribed format.
   - Self attested copies of degree/ certificate and experience certificate.
D. Experience including research, industrial field and others.
E. Attested copies of degree/ certificate and experience certificate
F. Candidates shall bring along with them the original certificates at the time of interview for verification.
G. Please note that no TA/DA is admissible for attending the interview.
H. The last date and time of submission of duly filled in application is 10/12/2020 and 05.00 pm. The application should be submitted only in the prescribed format.
I. The interview will be held on 21/12/2020 through online mode

Dr. G. Uma
ISRO STIC Coordinator
Annexure

**Project Code: S-TIC-SL-0151**

1. Title of the Project: Design of Controller for Buck Converter
2. Project Positions and Number: JRF (1)
3. Qualifications: BE/ B.Tech. in EEE/ECE and ME/MTech in VLSI
4. Emoluments: Rs. 35,960/- inclusive of HRA
5. Duration: 2 years
6. Principal Investigator: **Dr. G SARAVANA ILANGO, [gasilango@nitt.edu](mailto:gasilango@nitt.edu)**

**Project Code: S-TIC-SL-0152**

1. Title of the Project: Design of Digital Signal Process using SCL Foundry
2. Project Positions and Number: JRF (1)
   - Desirable Requirements: Minimum 1-year experience with the relevant field of VLSI/ASIC and must also have a strong understanding of all phases of front-end/ Back-end development in ASIC projects, including ASIC architecture, micro-architecture, RTL design, verification, timing closure & physical design.
4. Emoluments: Rs. 35,960/- inclusive of HRA
5. Duration: 2 years
6. Principal Investigator: **[laksh@nitt.edu](mailto:laksh@nitt.edu)**

**Project Code: S-TIC-SL-0153**

1. Title of the Project: Design and development of X-band & Ka-band passive devices
2. Project Positions and Number: JRF (1)
4. Emoluments: Rs. 35,960/- inclusive of HRA
5. Duration: 2 years
6. Principal Investigator: **Dr. R. PANDEESWARI, [rpands@nitt.edu](mailto:rpands@nitt.edu)**
**Project Code: S-TIC-SL-0154**

1. Title of the Project: LC Bandpass Filter for space Technology
2. Project Positions and Number: JRF (1)
4. Emoluments: Rs. 35,960/- inclusive of HRA
5. Duration: 1.5 years
6. Principal Investigator: **Dr. S. Senthil Kumar**, skumar@nitt.edu

**Project Code: S-TIC-SL-0155**

1. Title of the Project: Design and development of ferrite dielectric based microstrip Isolator for X-band application
2. Project Positions and Number: JRF (1)
4. Emoluments: Rs. 35,960/- inclusive of HRA
5. Duration: 2 years
6. Principal Investigator: **Dr. S. S Karthikeyan**, sskarthikeyan@nitt.edu

**Project Code: S-TIC-SL-0156**

1. Title of the Project: Fracture of Ammonium perchlorate Crystal particles under compression, shear and impact
2. Project Positions and Number: JRF (1)
   - Knowledge on crystal structures/ defects or fractography are desirable
4. Emoluments: Rs. 35,960/- inclusive of HRA
5. Duration: 1.5 years
6. Principal Investigator: **Dr. J. Sarat Chandra Babu**
   sarat@nitt.edu
**APPLICATION FOR THE POST OF RESEARCH ASSOCIATE / JRF / SRF/ TECHNICAL STAFF**

1. Name of the Candidate in full
2. Nationality
3. Mother Tongue
4. Date of Birth (Date, Month, Year)
5. Sex (Male / Female)
6. Marital Status (Married / Single)
7. Category (SC / ST / OBC / General)
8. Address for communication with Mobile number and E Mail ID
9. Project Title
10. Name of the Post applied for
11. Advertisement Number with Date

**Academic Career:** Enclose photo copies of the qualifying degree certificates and mark sheets/ grade cards showing the percentage of marks or CGPF from HSC onwards

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Enclose self-attested Xerox copies
12. GATE Score ........................................Subject
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13. NET Score
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14. Work Experience, if any

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14. Previous Research work and publication, if any (enclose copies of published or unpublished work)

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15. Proof of past study as a sponsored candidate, or other contractual obligation, if any:

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16. Reference

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17. I do not have a relative among Faculty and Staff of the NIT, Tiruchirappalli.

18. Declaration: I do hereby that the information furnished in the application is true to the best of my knowledge and belief. If admitted, I shall abide by the rules and regulations of the Institute and Project associated to it. If any information furnished in this application is found to be untrue, I am liable to forfeit the seat / appointment allotted to me any time in future and legal action be taken against me.

Date: .............................................. Full signature of the Applicant

List of Enclosures: (1) 
(2) 
(3) 
(4)