

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**, gsilango@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)
3. Qualifications: B.E/ B. Tech. in ECE/CSE/EEE and ME/ M. Tech. in VLSI Design / Microelectronics/ any other specialization related to VLSI domain with first-class.
 - 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

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)
3. Qualifications: M.Tech. in Communication systems/ Telecommunication Engineering/ Microwave and optical engineering/ Advanced Communication systems/ Wireless Communication/ Applied Electronics/ Signal Processing.
4. Emoluments: Rs. 35,960/- inclusive of HRA
5. Duration: 2 years
6. Principal Investigator: **Dr. R. PANDEESWARI**, 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)
3. Qualifications: B.E/B. Tech. in Electronics and Communication Engineering & M.E / M. Tech. – specialized in Communication Systems / Communication Engineering. Preference will be given to the candidates having experience in RF communication systems design & EDA Tools.
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)
3. Qualifications: B.E/B.Tech. in Electronics & Communication Engineering and M.E/M.Tech or Equivalent in Electronics and Communication Engineering/ Communication Systems/ RF and Microwave Engineering/ Antenna Design
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)
3. Qualifications: M.Tech Chemical Engineering/ Mechanical Engineering/ MME/ Production Engineering.
 - 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

OFFICE OF THE DEAN (R & C), NIT, TIRUCHI
RECRUITMENT OF TEMPORARY PROJECT STAFF --PRESCRIBED APPLICATION
FOR THE POST OF RESEARCH ASSOCIATE / JRF / SRF / TECHNICAL STAFF –
SPECIMEN TEMPLATE

<p style="text-align: center;">For Office Use only</p> <p>Serial Number allotted to the Applicant </p> <p>Signature of the Application Screening Committee Chairman</p>	<p>Paste here your recent passport size colour Photograph</p>
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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	Please specify				
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					
Name of Exam	School / University	Board/ University	Broad subjects of study	Year of Passing	% of marks / GCPA
S.S.L.C					
H.S.C					
Graduation					
Post-Graduation					
Any other					

Enclose self-attested Xerox copies

12. GATE ScoreSubject
.....Year.....

13. NET Score
.....Subject.....Year.....
.....

14. Work Experience, if any

Organization	Designation	Duration		Nature of Job
		From	To	

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

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

16. Reference

Name	Address	Phone & E Mail ID

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)