



THIAGARAJAR COLLEGE OF ENGINEERING, MADURAI

(A Govt. Aided, Autonomous Institution Affiliated to Anna University)

Department of Electronics and Communication Engineering

ADVERTISEMENT FOR RECRUITMENT OF JUNIOR RESEARCH FELLOW & TECHNICAL ASSOCIATE

23-07-2021

Applications are invited from Indian Nationals only for Project Positions as per the details given below, for the sponsored research projects, in ECE department, Thiagarajar College of Engineering, Madurai, Tamil Nadu.

1.	Title of the Project	Design and Development of a milli-meter wave based Road Condition Detection Radar for Automotive Applications
2.	Funding agency for the Project specimen	MEITY
3.	Project Position & Number	Junior Research Fellow – 01, Technical Associate- 01
4.	Qualification	For JRF post M.E./ M.Tech in Power Electronics/Embedded systems/Communication system, Minimum 70% or 7.5 CGPA in UG and PG from a recognized University/ Institute. Minimum of 2 years experience, Age should be less than 27 years For TA post B.E./ B.Tech in Electronics & Communication, Minimum 70% or 7.5 CGPA from a recognized University/ Institute. Minimum of 2 years experience, Age should be less than 27 years
5.	Emoluments	INR 31,000/- + 16% HRA per month for JRF INR 15,000/- (consolidated) per month for TA
6.	Duration	24 months
7.	Job Description-JRF	<ul style="list-style-type: none">• To develop embedded coding in C, C++ and in assembly program for the ARM processor boards for the algorithms developed in a digital signal processing. Familiar in RF boards and RF chipsets• Familiar in ARM Architecture, ARM tool chains, debugging and emulation of embedded boards• Responsibility to complete the implementation of detailed technical items into the system level integration• Documentation of design specifications and implementation details. Lead design reviews. Upholding of hardware interface design standards and methodologies
8.	Job Description-TA	<ul style="list-style-type: none">• To understand the signal processing codes and to convert into an embedded code• To develop embedded coding in C, C++ and in assembly program for the ARM processor boards• To develop embedded hardware board from PCB design to test and validate the hardware• Handling measuring instruments from digital meters to spectrum analyzer with good understanding skill in measuring parameters

- Candidate before appearing for the interview shall ensure that they are eligible for the position they intend to apply.
- Candidates desiring to apply for the respective post should submit their applications in the given format.
- Filled in application form should be furnished along with scanned copies of mark sheets, degree certificates and experience certificates.
- The soft copy of the application shall be sent to principal@tce.edu and naveenmegaa@tce.edu on or **before 4th August 2021**
- The shortlisted candidates will be intimated about the interview through e-mail. The interview will be held in ECE department, TCE
- Candidates shall bring along with the original certificates at the time of interview for verification.
- Please note that No TA/DA is admissible for attending the interview.
- The decision of the selection committee is final. Canvassing in any form leads to rejection of the candidature.



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Application for the post of Junior Research Fellow/ Technical Associate

Name of the Post applied for (JRF/TA) :

Title of the Project: **Design and Development of a milli-meter wave based Road Condition Detection Radar for Automotive Applications**

Name of the Candidate (in Block letters) :

Father's Name :

Date of Birth :

Nationality :

Sex :

Marital Status (Married/Single) :

Category (OC/BC/SC/ST/Others) pl specify :

Address for Communication :

Paste your
photo here

Contact Number/Mobile number :

E Mail id :

Academic Career: :

(Enclose photo copies of the qualified degree certificates and marksheets/grade cards showing the % of marks or CGPA from HSC onwards)

Exam/Degree	College/ Institute name	Board/ University	Year of passing	CGPA/ % of marks	Class/Grad e
S.S.L.C					
H.S.C					
Graduation					
Post- Graduation					
Any other					

Enclose self-attested Xerox copies of

GATE Score:..... Subject.....Year.....

NET Score: Subject.....Year.....

Work Experience :

Period		Institute/ Organization	Designation	Nature of Job
From	To			

Previous Research work and publications, if any (enclose copies of published/unpublished work):

International Conference		National Conference	
International Journal		National Journal	

References:

Name	Address	Mail id & Ph. No.

UNDERTAKING

I understand that it is a contractual engagement on purely temporary basis for the Project. I declare that the information furnished in the application is true to the best of my knowledge and belief. I understand that action can be taken against me if these are found to be incorrect.

Place:.....

Date:.....

Full signature of the Applicant

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