

Advertisement for the Post of Research Associate I

Advt. No.: IIITDMK/PR/RA-I/A23/2025

Date: 21.07.2025

Applications are invited for the following post. The post is purely on a contractual basis.

Name of Position	RESEARCH ASSOCIATE - I
Number of Positions	One
Nature of Work	Indigenous Development of Equipment in cell fabrication
Duration of the Project	60 Months
Duration of the Position	The post is purely on a contractual basis and initially the post is for 9.6 months, extendable to 2 more years.
Stipend	Rs.58,000/- + 30% HRA <i>Note: 30% HRA will be paid if no accommodation is provided by the Institute.</i>
Title of the Sponsored Project	Design, Development and Demonstration of Semi-Automatic indigenous equipment in fabrication of cylindrical and prismatic cells
Funding Agency	ANRF-MAHA
P.I / Co-P.I	Dr. Selvajothi K / Prof. Raja B
Department	Electronics and Communication Engineering
Educational Qualification	PhD or equivalent degree or having 3 years of research, teaching, design and development experience after M.E/M.Tech with at least one SCI indexed paper Desirable qualification: PhD in Electrical Engg or related areas, M.E/M.Tech in Embedded systems/Digital Signal Processing/ Control Engg./ Power Electronics and Drives and B.E/B.Tech in EEE / Instrumentation and Controls/ECE. Career first class ($\geq 60\%$), Essential knowledge in image processing and electrical drives.
Age Limit	Preferably below 35 years as on Last date of receiving the application(Age relaxation is applicable as per Gol norms)
Last date to apply	05.8.2025



How to Apply and Selection Procedure:

1. Interested candidates are requested to submit their applications online
<https://forms.gle/2E8NsNiQyPAgenxN7>
Last date: August 05th, 2025. While uploading, attach as per the format given in the Annexure.
2. Also, take print of the application form, fill, sign, and submit the hard copy at the time of Interview.
3. Candidates should be present physically at IIITDM Kancheepuram located at Chennai - 600127 for the written test and/or interview.
4. Candidates should produce all educational and experience certificates at the time of interview for verification.
5. No TA/DA will be paid for attending the interview.
6. The selection process consists of written test followed by Interview. The topic for written test along with syllabus is enclosed.

For any clarification regarding the application process, the candidate may contact the PI. email: ksjyothi@iiitdm.ac.in and rajab@iiitdm.ac.in

Sd/x

Dean (SR)

Topics for Written Test

Sensors and transducers: Characterization, sensors for position, velocity, proximity, force, pressure, temperature and light.

Signal conditioning: Amplification, filtering, multiplexing, and telemetry. Data acquisition with A/D, D/A and digital I/O.

Software development: program structures for embedded systems, software design process, microcontrollers and peripherals

Basic closed-loop control: open-loop, on-off, PID control

Mechatronic systems integration, rapid prototyping of mechanical and electrical systems.

Duration of the Written Test: 1 hr

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Appl. No.:
(will be filled by Office)

APPLICATION FOR THE POSITION OF PROJECT STAFF

Candidates Photo
to be pasted here

1. Advertisement Number:
2. Name of the Post:
3. Candidate's Full Name (As per SSLC Mark sheet):
4. Father's Name of the Candidate:
5. Date of Birth of the Candidate:
6. Nationality:
7. Gender:
8. Category (Gen / OBC / SC / ST):
(For age relaxation only)
9. Address for Communication:
10. Permanent Address:
11. Contact Phone / Mobile Number(s):

12. Email Address:

13. Educational Qualifications Starting from Xth / SSLC:

Sl. No.	Degree & Branch	Institute / University	Year of Entry & leaving	Percentage / CGPA & Class	Mode (Regular / Part-time / etc.)

14. Academic Record: GATE/ CSIR - NET qualification details with percent marks / Rank, year of qualifying, etc.:

15. Names and addresses of two referees along with phone numbers and e-mail addresses:

a)

b)

16. Are you currently working in Central / State / Semi-Govt / PSU / Autonomous Bodies of the Govt.? (If yes, please submit NOC issued by your present employer):

17. Present Position / Designation:

18. Work Experience (in reverse chronological order including post held at present):

Sl. No.	Organization	Designation	Start Date & End Date	Pay Scale / Total Pay

19. If selected, time required to join:

20. Please add List of publications to check SCI

21. Any other information you wish to mention:

UNDERTAKING

I hereby declare that I have carefully read and understood the instructions given in the Advertisement. All information furnished in this form as well as the attached documents are true and correct to the best of my knowledge and belief. I fully understand that if it is found at a later date that any information given in the application is incorrect / false or if I do not satisfy the eligibility criteria, my candidature / appointment is liable to be canceled / terminated.

Signature of the Applicant

Date: