



National Institute of Electronics and Information Technology (NIELIT), Aurangabad Recruitment 2024

National Institute of Electronics and Information Technology (NIELIT), Aurangabad Recruitment 2024 – for Junior Research Fellows (JRF): NIELIT Aurangabad invites applications from young and meritorious Indian Nationals for the position of Junior Research Fellow (JRF).

Project details: Design and Development of Ultra-Low- Power RISC-V Based Lightweight Edge AI Processor for IoT Enabled Healthcare Applications under Chips to Startup Programme(C2S) of Ministry of Electronics & Information Technology (MeitY) Government of India.

Project Duration: 5 Years.

Skill Sets Required: Sound Knowledge of Verilog RTL Coding, Strong fundamentals in C/C++, MATLAB, AI algorithm implementation in C/Python, Multi-threading and Programming, Good knowledge in Linear algebra, Knowledge in Digital signal processing, adaptive signal processing & array signal processing, Hands on experience in FPGA Architecture and Programming, Hands on experience on AI based Micro-controllers and Microprocessors Programming and debugging, Hands on experience in IoT based electronic product design and development, Sensors and actuators used in healthcare applications and interfacing with microprocessors and micro-controllers.

Total No of the Posts: 3

Name of the Post: Junior Research Fellow (JRF)

Number of Vacancies: 3

Emolument: The Fellowship is initially for a period of One Year and is renewable annually for a total period of Five years. There will be a review of the activity every year for the renewal of the fellowship. The Junior Research Fellowship (JRF) carries an amount of Rs.37,000 per month, with a possibility to be increased to Rs.42,000/- per month as Senior Research Fellowship (SRF), after two years, on successful completion and review of research work of the previous two years by a review committee.

Educational Qualification

Minimum eligibility criteria/Essential Qualification:

B.E/ B.Tech in Electronics and Communication/Electrical and Electronics/ Computer Science and allied branches/M.Sc. in Electronics/Computer Science. Candidates should also have qualified GATE/ CSIR-UGC National Eligibility Test, including NET Lectureship (Assistant Professorship).

OR

M.E/M.Tech in VLSI/Microelectronics/SoC-Design/Semiconductor Technology/Embedded Systems/IoT/Computer Science/Artificial Intelligence and Machine Learning/Signal Processing/Communication Systems and allied branches. Candidates should also have qualified GATE/CSIR-UGC National Eligibility Test, including NET Lectureship (Assistant Professorship).

OR

B.E/ B.Tech in Electronics and Communication/Electrical and Electronics/ Computer Science and allied branches from the institutes/colleges which accepts admission through IIT-JEE(Mains or Advanced) Examination Only.

OR

M.E/M.Tech in VLSI/Microelectronics/SoC-Design/Semiconductor Technology/Embedded Systems/IoT/Computer Science/Artificial Intelligence and Machine Learning/Signal Processing/Communication Systems and allied branches from the institutes/colleges which accepts admission through GATE Examination Only.

Experience Required: Nil

Upper Age Limit: 35 years as on the date of interview. Age and Educational qualification will be calculated / determined as on date of interview. Age limit is relaxable by 5 years for SC/ST, 3 years for OBC candidates.

HRA: All research fellows may be provided Hostel Accommodation. Wherever provision of Hostel accommodation is not possible, HRA may be allowed as per Central Government norms applicable in the city/location.

Leave and other entitlements: The Research fellows are eligible only for Casual Leave as applicable to NIELIT. Participation of Research Fellows in scientific events/workshops in India or abroad will be treated as "on duty" with due approval of NIELIT Aurangabad. The travel entitlement for Research fellows for participation in scientific events/workshops in India will be 2nd AC by Rail. Maternity leave as per Govt. of India instructions issued from time to time would be available to female candidates in all categories.

Publication/Patent: The results of JRF work research work maybe published preferably in standard refereed journals with the concurrence of the fellow and his/her Supervisor/Advisor. It should be ensured by the fellow that the assistance provided by the funding agency of the Government of India is acknowledged in all such publications.

Obligation of JRF:

- (a) He/she shall be governed by the disciplinary regulations of the NIELIT Aurangabad.
- (b) The JRF must send a report of the research work done during the period of Fellowship may be asked by the sponsoring agency.

Note:

- 1) After completion of 2 years, an external assessment by the institution where the candidate is enrolled for Ph.D. is mandatory for upgradation from JRF to SRF. The fellow may be awarded SRF after successful assessment.
- 2) Annual Satisfactory Assessment is mandatory to continue the benefit of Fellowship during SRF period.

Note: The offer of Fellowships is purely of temporary in nature for a limited period and does not confer any right for absorption in NIELIT Aurangabad.

Note: Award of Fellowship shall not be claimed by any candidate as a matter of right. The selection of the candidate will be entirely the discretion of the Selection Committee of the NIELIT Aurangabad.

- **The Project is being Jointly implemented By National Institute of Technology (NIT) Tiruchirappalli, National Institute of Electronics & Information Technology (NIELIT) Aurangabad & Indian Institute of Information Technology (IIT) Tiruchirappalli. Candidates may be allowed to enroll for Part-time Doctoral/Ph.D. Program of NIELIT Aurangabad/NIT Tiruchirappalli.**

Application Procedure: -Eligible Candidates can fill the application form as given below:

- a) Online application form can be filled from <https://nielit.gov.in/aurangabad/recruitments> via Google form Link.
- b) Self-attested Scanned copy of Date of Birth Certificate.
- c) Self-attested Scanned copy of 10th & 12th Marksheets.
- d) Self-attested Scanned copy of B.E/B.Tech Degree Marksheet/certificate.
- e) Self-attested Scanned copy of M.E/M.Tech Degree Marksheet/certificate.
- f) Self-attested Scanned copy of Work Experience certificates, if any.
- g) Self-attested Scanned copy of GATE/CSIR-UGC NET Scorecard.
- h) Self-attested Scanned copy of Caste certificates, if applicable.
- i) Self-attested Scanned copy of updated CV/Resume.
- j) Self-attested Scanned copy of Valid Government issued ID proof.
- k) Self-attested Scanned copy of CGPA to Percentage Conversion from Affiliated College/University.
- l) Scanned copy of passport size photograph.
- m) Scanned signature.

Last Date: - The last date for receipt of the application online is 30 days from the date of publication in Employment News. Applications received after the due date for whatsoever reasons, shall not be entertained. Incomplete applications are liable to be rejected.

Application fee-Rs.500/- for General category candidates

Rs. 250/- For Women/SC/ST/OBC/PwD/EWS candidates

Selection Process: Eligible candidates will be shortlisted for test/personal interview based on Required Skill sets/Work Experience and educational qualifications. Date and time of the test/ personal interview will be communicated to the shortlisted candidates separately by email. The decision of the Selection Committee constituted by the Executive Director of NIELIT Aurangabad in selecting the candidate will be final and binding on all the candidates.

Important Instructions:

- 1) Only those candidates who have been awarded a Degree/Provisional Degree certificate are eligible to apply.
- 2) Candidates should make their own arrangements for their stay and transport in Aurangabad Maharashtra if shortlisted for test/personal Interview.
- 3) Candidates need to produce Original Certificates/Testimonials for proof of Caste (wherever applicable), Age, Educational Qualification, Work experience, GATE/CSIR-UGC NET Scorecard (wherever applicable), along with two passport size photographs at the time of personal interview.
- 4) The candidate should bring supporting documents for CGPA conversion.
- 5) No TA/DA will be paid for attending the interview or for joining if selected.
- 6) The Research Fellowship may be terminated at any time during the tenure with prior notice of one month. Research Fellow may resign with a prior notice of one month.
- 7) For details Contact NIELIT Aurangabad between 10:00 am To 5:00 pm on all working days (Monday to Friday) on +91-9999026637/+91-9671501662.