

**उत्तर पूर्वी अंतरिक्ष उपयोग केंद्र/North Eastern Space Applications Centre**  
**भारत सरकार/Govt. of India, अंतरिक्ष विभाग/Dept. of Space**  
**उमियम/Uiam – 793103, मेघालय/Meghalaya**  
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Research Scientist, Senior Research Fellow & Junior Research Fellow Recruitment for NESAC

No.NESAC/RMT-TEMP/03/2021

Date: April 28, 2021

North Eastern Space Applications Centre (NESAC), Uiam is an autonomous body functioning under the Department of Space and North Eastern Council (NEC) to assist development process in North Eastern Region using space science and technology. It undertakes specific applications projects using remote sensing, GIS, satellite communication and conducting space science research. The Centre's services are helpful in natural resources management, infrastructure planning, health, education, disaster management and Earth Observation Applications Mission.

Applications are invited from the eligible candidates for the following positions on temporary basis for the following project:

**1. RESEARCH SCIENTIST [LEVEL10 (₹ 56,100 - ₹ 1,77,500)]**

**Project : North Eastern Region – Disaster Risk Reduction (NER-DRR)**

Post Code	No. of position	Discipline	Essential Qualifications	Desirable Credentials
09	01	Geoinformatics	First class in M.E./M.Tech in Remote Sensing/ Geoinformatics or equivalent or Computer Science/ Information Technology or equivalent. <b>WITH</b> B.E/ B.Tech in Electronics and Telecommunication Engineering or equivalent or Computer Science Engineering/ Information Technology or equivalent or Geoinformatics/ Geomatics or equivalent.	<ul style="list-style-type: none"> <li>Working experience in Geoweb services/ Spatial Decision Support System/ Spatial Data Infrastructure/ Location based services Photogrammetry/ LIDAR data processing/ Microwave experience/ Big Data Analytics/ Geospatial Dashboard analysis, etc. for geospatial data.</li> </ul>

## 2. SENIOR RESEARCH FELLOW [SRF]

Post Code	No. of position	Project Name	Essential Qualifications	Desirable Credentials
SRF-01	01	Remote Sensing and GIS based Input for Hazards, Vulnerability and Risk Assessment (HVRA) for Tura, Williamnagar, Nongstoin, Nongpoh and Jowai towns in Meghalaya.	First class in M.Sc. in Geography/ Remote Sensing & GIS/ Geoinformatics/ Disaster Management or equivalent.  <b>WITH</b> Two years of research experience.	<ul style="list-style-type: none"> <li>Knowledge in data analysis for disaster management studies in NER region using Remote Sensing and GIS techniques.</li> </ul>

## 3. JUNIOR RESEARCH FELLOW [JRF]

Post Code	No. of position	Project Name	Essential Qualifications	Desirable Credentials
JRF-01	02	SISDP - update	First class in M.Tech./M.Sc in Geoinformatics/ Remote Sensing & GIS/ Spatial Information Science or equivalent <b>with</b> First class Graduation in Engineering/ Science.	<ul style="list-style-type: none"> <li>Experience in handling Remote Sensing &amp; GIS software, or Certificate/ Diploma in Geoinformatics and having knowledge of gathering field data with satellite data interpretation.</li> </ul>
JRF-02	01	Landslide Inventory, Susceptibility and early Warning of NE states (Remote Sensing and Field based)	<p>First class in M.Tech in Geology/ Applied Geology/ Earth Science or equivalent <b>with</b> Geology as Main/ Major subject in B.Sc. from recognized Institute in First class.</p> <p><b>OR</b></p> <p>First class in M.Sc. Tech in Geology/ Applied Geology/ Earth Science or equivalent <b>with</b> Geology as Main/ Major subject in B.Sc. from recognized Institute in First class.</p> <p><b>OR</b></p> <p>First class in M.Sc. in Geology/ Applied Geology/ Earth Science or equivalent <b>with</b> Geology as Main/ Major subject in B.Sc. from recognized Institute in First class.</p>	<ul style="list-style-type: none"> <li>Working Knowledge in Remote Sensing and GIS.</li> </ul>

JRF-03	01	Remote Sensing and GIS based Input for Hazards, Vulnerability and Risk Assessment (HVRA) for Tura, Williamnagar, Nongstoin, Nongpoh and Jowai towns in Meghalaya.	Master of Planning (M Plan) or equivalent in First class. <b>WITH</b> Bachelors of Architecture (B Arch) or equivalent at graduation in First class.	<ul style="list-style-type: none"> <li>Working knowledge in GIS &amp; Remote Sensing Applications.</li> </ul>
JRF-04	01	Development of Malaria Dashboard Application in National level.	First class in M.E./ M.Tech in Remote Sensing/ Geoinformatics or equivalent or Computer Science/ Information Technology or equivalent. <b>WITH</b> B.E./ B.Tech in Electronics and Telecommunication Engineering or equivalent or Computer Science Engineering/ Information Technology or equivalent or Geoinformatics/ Geomatics or equivalent.	<ul style="list-style-type: none"> <li>Working experience in Geoweb services/ Spatial Decision Support System/ Mobile Application/ Geospatial Dashboard analysis, etc.</li> </ul>
JRF-05	01	Assessment of socio-ecological vulnerability to climate change among agroforestry managers along an altitude gradient in the Eastern Himalayas.	First class in M.Sc. in Forestry/ Forest Science/ Environmental Science/ Ecology & Environment Science/Environmental Management/ Life Science/ Agriculture/ Botany/ Remote Sensing & GIS/ Geoinformatics or equivalent <b>with</b> Graduation in Science in First class. <b>OR</b> First class in M.Tech in RS & GIS/ Geoinformatics/ Spatial Information or equivalent <b>with</b> Graduation in Science in First class.	<ul style="list-style-type: none"> <li>Knowledge of field sampling/ ecological data collection/ socio-economic survey, etc. or handling RS &amp; GIS software.</li> </ul>

**For Post Code SRF-01 and JRF-01 to JRF-05 :**

- I. The applicants for SRF & JRF positions should qualified one of the following tests and the year of acquiring qualification along with score have to be furnished in the online applications:
- i. CSIR-UGC National Eligibility Test, including NET-Lecturership
  - ii. Graduate Aptitude Test in Engineering (GATE) conducted by MHRD
  - iii. Joint Admission Test (JAM) conducted by MHRD
  - iv. Biotechnology Eligibility Test & Test conducted in Bio-informatics by Bio-informatics National Consortium
  - v. Joint Entrance Screening Test (JEST), Joint Graduate Entrance Examination for Biology & Interdisciplinary Life Sciences (JGEEBILS) conducted by Department of Atomic Energy.
  - vi. All India Competitive Examination (AICE) conducted by the Indian Council of Agricultural Research.
  - vii. State Level Eligibility Test (SLET) conducted on behalf of the UGC by the National Testing Agency.
  - viii. NESAC JRF Eligibility Test (N-JET). The N-JET 2018 was conducted at NESAC on **13.03.2018**. Candidates having valid Score Cards may apply directly.

- II. NET/NET Equivalent qualifications should be in the discipline/specialization of the essential qualification.
- III. **All Engineering disciplines, GATE qualification is mandatory.**
- IV. Post Graduate Degree in Professional Course or M.E/M.Tech/M.Plan **OR** Post Graduate Degree in Basic Science or M.Sc./B.E/B.Tech/B.Plan in the selection process are described through any one of the following:
- Scholars who are selected through National Eligibility Test – CSIR-UGC NET including lectureship (Assistant professorship) and GATE.
  - The selection process through National level examinations conducted by Central Government Departments and their Agencies and Institutions such as DST, DBT, DAE, DOS, DRDO, MHRD, ICAR,ICMR, IIT, IISc, IISER etc.

### **1. GENERAL NOTE:**

- Number of positions indicated above are provisional and may vary depending on the actual requirement.
- M.E./ M.Tech/ M.Plan or equivalent degree should be in first class with an aggregate minimum of 60% (average of all semesters) or CGPA/CPI grading of 6.5 on a 10 scale or equivalent from recognized university.
- M.Sc. degree should be in first class with an aggregate minimum of 65% (average of all semesters) or CGPA/CPI grading of 6.84 on a 10 scale or equivalent from recognized university.
- Rounding-off of marks/CGPA Grading is not allowed.
- Selection will be purely based on performance in the interview.
- Candidates having M.E./M.Tech degree in the relevant discipline must clearly mention with supporting proof, the specialization/ dissertation/ thesis in the relevant field for consideration of their application.
- Teaching experience in the related fields will be considered provided necessary supporting document by the concerned authority of the Institute on the list of subjects taught by the applicant.
- Experience letter should contain the details of work done by the applicant under different projects.
- In case of foreign degree holders where the documents/degree/certificates are not in English then translation and authorized transcription must be attached and equivalency certificate from Association of Indian University (AIU) must also be scanned and attached. Failure to produce equivalency certificate at the time of interview shall lead to disqualification.
- The qualification prescribed and the benchmark are only the MINIMUM requirement and fulfilling the same does not automatically make a candidate eligible for Interview
- The Centre reserves the right not to fill up any of the posts, if it so decides.

### **2. AGE LIMIT:**

- For Research Scientist:** Maximum Age 35 years as on **16.05.2021**
- For Senior Research Fellow & Junior Research Fellow:** Maximum Age 28 years as on **16.05.2021**

Relaxable by 5 years in case of SC/ST and 3 years in case of OBC candidates. Ex-Servicemen, Persons with Disabilities are eligible for age relaxation as per Government of India orders. Candidates claiming age relaxation have to submit valid documentary proof.

### **3. TENURE OF THE POSITIONS:**

- **For Research Scientist:** These Research Scientist position are purely on temporary basis for a period of one year which can be further extended based on the performance of the candidate in the periodical reviews, for a maximum period of (02) TWO YEARS in total or co-terminus with the project, whichever is earlier.
- **For Senior Research Fellow & Junior Research Fellow:** These positions are purely on contractual basis and co-terminus with the project without any provision for regularization. Senior Research Fellows & Junior Research Fellows will be engaged initially for (01) ONE YEAR or the period of the Project whichever is earlier and is extendable for further periods based on assessment of their work and requirement of project. The maximum period of engagement of Senior Research Fellows & Junior Research Fellows shall not exceed FIVE years or project duration whichever is earlier.

The positions of RS/SRF/JRF will not confer any claim or right for regular employment in NESAC and the services are liable to be terminated without any notice and without assigning any reasons thereof.

The Director, NESAC reserves the right to cancel/postpone the interview without any reason thereof. He also reserves the right to terminate the contract, even before completion of the project for which no appeal thereof shall be made.

### **4. EMOLUMENTS & OTHER BENEFITS:**

- **Pay & Allowances for Research Scientist:**  
Selected candidates will be offered the fellowship as Research Scientist in the Level 10 of the Pay Matrix (₹ 56100-177500). The fellowship will be fixed in the minimum of Pay Band i.e. at present be approximately ₹ 56100/-. In addition DA, HRA and medical benefits for self only will be allowed as per rules.
- **Pay & Allowances for Senior Research Fellow & Junior Research Fellow:**

SI No	Post Code No.	Name of Position	Fellowship Amount
1.	SRF-01	Senior Research Fellow	₹ 35,000/-
2.	JRF-01 to JRF-05	Junior Research Fellow	₹ 31,000/-

In addition to the above mentioned fellowship amount, HRA at the prescribed rates in force at the place of posting/HRA sanctioned under the respective project whichever is less will be paid and Medical benefits for self only will be allowed as per extant rules. The fellowship amount shall be taken as Basic pay for this purpose.

Senior Research Fellows/Junior Research Fellows are eligible only for casual leave while Research Scientists are eligible for leave as per rules of the Institution. Maternity leave as per Govt. of India instructions would be available to all female RSs/SRFs/JRFs. Apart from this, the candidates selected will not be entitled to any benefits or concessions admissible to regular employees.

The Centre provides canteen facilities, library facilities, free transport facilities etc.

5. **HOW TO APPLY:** The application form will be hosted in the NESAC web-site [www.nesac.gov.in](http://www.nesac.gov.in) from **28.04.2021**. Last date for submission of On-line Application Forms is **16.05.2021**. **Candidates need to apply through online mode only.**

**After registration take a print out of the application summary** and the print-out is to be brought along with passport size photograph and documents supporting the data furnished in application at the time of Interview. Registration Number should be recorded by the Candidate for all future correspondences with NESAC with regard to this advertisement.

6. **SELECTION PROCESS:**

- i. **For Research Scientist** the qualification prescribed is the minimum requirement and possession of the same does not automatically make the candidates eligible to be called for interview. A duly constituted Screening Committee shall screen the applications received for the posts based on the following:
  - 80% weightage on marks obtained in the qualifying degree (Essential Qualification)
  - 20% weightage on experience on the relevant field [full marks for 4 years or more and proportionately for any period (one completed months) below 4 years]. Minimum experience period should be 6 months.
- ii. **For Senior Research Fellow & Junior Research Fellow** the qualification prescribed is the minimum requirement and possession of the same does not automatically make the candidates eligible to be called for interview. A duly constituted Screening Committee shall screen the applications received for the posts whose decision shall be final.
- iii. The percentage of marks obtained by the candidate would be calculated based on the practice as followed by the respective University/Institution. In case of grades/CGPA, the conversion to percentage of marks would be based on the procedure as certified by the respective University/Institution. If any University/Institution confirms that there is no scheme for converting CGPA into equivalent marks, the equivalence would be established by dividing the candidate's CGPA by the maximum possible CGPA and multiplying the result with 100.
- iv. In case candidate is claiming equivalent specialization, he/she has to obtain certificate from his/her institute/university stating that the specialization is equivalent to the one asked in the advertisement for the post applied for. Final decision on this will be taken by the Screening Committee. The screened-in/shortlisted candidates will be called for interview before the Selection Committee. Communication shall be sent only to the screened-in/shortlisted candidates. NESAC will not entertain any correspondence on the issue of short-listing of candidates. **The call letters for the interview to the short-listed candidates will be sent only by e-mail.** No communication shall be made to the candidates who are not short-listed/Screened in. Candidates who do not fulfill eligibility condition will not be considered for the interview.

7. **GENERAL CONDITIONS:**

- Those who possess the required qualification as on **16.05.2021** only need to apply. Only passed candidates are eligible to apply. Students awaiting for final result need not to apply.
- Canvassing in any form will disqualify the candidates.

- Applications will be through online mode only and all further communications will be made to the applicants through e-mail/NESAC website only. Therefore, the applicants are advised to check their e-mail and visit the NESAC website from time to time. NESAC will not take responsibility for non-receipt of intimation regarding call letter/any communication due to technical reasons or whatsoever to the candidates.
- The selected candidates shall be posted at NESAC, Umiam but are also liable to be posted in any place in India at the discretion of Director, NESAC as and when required.
- Candidates called for interview will have to produce all relevant original documents in proof of details furnished in the application along with a set of self-attested photocopies. Candidates who are already employed under Central/State Government, Public Sector Undertakings or Autonomous Bodies will have to produce the "**No Objection Certificate**" in original including print out of the application summary, at the time of interview. In case the candidate fails to produce any of the above documents or if any information furnished in the application is found to be wrong or false, the candidate will not be interviewed.
- Change of date for the interview will not be entertained.
- Candidates are required to provide their valid email-id & contact number while submitting the application. If email-id & contact number is changed /updated, it should be intimated to the email-id [applications@nesac.gov.in](mailto:applications@nesac.gov.in) . In case of invalid email-id & contact number provided by any candidate, NESAC will not be responsible for the non-communication of any information which will be sent through bulk email.
- The selected SRFs & JRFs are encouraged to register for Ph.D from recognized universities and take up relevant research topic benefitting the individual and NESAC. However they have to work extra time to complete the Ph.D research. No leave is admissible for Ph.D work.
- No interim correspondence will be entertained. In case of any issues pertaining to online application, candidates may send mail to [applications@nesac.gov.in](mailto:applications@nesac.gov.in) with clearly mentioning the name of the post in the subject of the e-mail otherwise the query may not be responded and NESAC will not be responsible for not responding.
- **16.05.2021** will be cut-off date for all purposes like age, qualification, etc.
- The prescribed experience should be after acquiring the essential qualification.
- Only Indian Nationals need to apply.
- No TA/DA shall be paid for attending the interview.
- **In case of any differences between Hindi and English Version, then English Version will be considered as Final.**

**GOVERNMENT STRIVES TO HAVE A WORKFORCE WHICH REFLECTS GENDER BALANCE AND WOMEN CANDIDATES ARE ENCOURAGED TO APPLY.**

**It is for the candidate to ensure that he / she fulfills the eligibility criteria and complies with the requirements and adheres to the instructions contained in this advertisement as well as in the application form. Candidates are, therefore, urged to carefully read the advertisement and complete the application form and submit the same as per instructions given in this regard.**

**IMPORTANT**

**OPENING DATE FOR SUBMISSION OF ONLINE RECRUITMENT APPLICATION THROUGH NESAC WEBSITE IS ON 28.04.2021**

**CLOSING DATE FOR SUBMISSION OF ONLINE RECRUITMENT APPLICATION THROUGH NESAC WEBSITE IS ON 16.05.2021**

**DATE FOR DETERMINING THE ELIGIBILITY OF ALL CANDIDATES IN EVERY RESPECT SHALL BE THE PRESCRIBED CLOSING DATE FOR SUBMISISON OF ONLINE RECRUITMENT APPLICATION. THE APPLICANTS ARE ADVISED TO FILL IN ALL THEIR PARTICULARS IN THE ONLINE RECRUITMENT APPLICATION CAREFULLY.**

**DATE FOR THE INTERVIEW ON WHICH THE SHORTLISTED CANDIDATES ARE REQUIRED TO BRING THE PRINTOUT OF HIS/HER ONLINE APPLICATION ALONGWITH OTHER DOCUMENTS AT NESAC SHALL BE INTIMATED SEPARATELY.**

**CANDIDATE SHOULD UPLOAD THE MERGED DEGREE AND MARKSHEETS IN ONE PDF FILE FOR ONE PARTICULAR QUALIFICATION e.g. FOR B.TECH, DEGREE & MARKSHEETS OF ALL THE SEMESTERS SHOULD BE MERGED AND UPLOADED AND SIMILARLY FOR OTHERS ALSO.**