



सूक्ष्म कणिका एवं संचार अभियंत्रण विभाग
Department Of Electronics & Communication Engineering
मोतीलाल नेहरू राष्ट्रीय प्रौद्योगिकी संस्थान इलाहाबाद
MOTILAL NEHRU NATIONAL INSTITUTE OF TECHNOLOGY ALLAHABAD
प्रयागराज-211004
PRAYAGRAJ-211004

Advertisement No- /2022/Project Staff

Dated-12.05.2022

Extension of advertisement date
Advertisement for the Post of Junior Research Fellow (On Contract)

Applications are invited from Indian nationals for the post of Junior Research Fellow (on contract) in research project entitled "Development of Non-Invasive Saliva Based Glucometer for Diabetes Management" sanction letter no. **CRG/2021/001199** dated 21/01/2022 sponsored by SERB, GOI, New Delhi.

The duly completed application (soft copy in pdf format) on prescribed format along with scanned copies of supporting documents must reach to email id: shtri@mnnit.ac.in (email id of Dr Shweta Tripathi, Electronics and Communication Engineering Department) with the subject of the email as "Application for JRF(on contract) in CRG Project" on or before 12/06/2022 (extended date), 5.00 PM (IST).

Description and Objectives of the Project: The aim of this project is to develop a non invasive glucometer for efficient diabetes management. The spinplasmonic detector based glucometer will be developed and tested for glucose detection in saliva. Further, the prototype of the device will be packaged and tested for its efficiency.

The position is purely temporary and will be governed by the funding agency rules & service conditions of Office of the Dean (Research & Consultancy), MNNIT Allahabad.

- Number of Position** : 1 (One)
- Essential Qualifications** : M. Tech. / M.E. in Electronics Engineering/ Microelectronics / Electronics & Communication Engineering or any other relevant branch with GATE/NET qualified.
- Fellowship** : Rs 31,000 per month (Consolidated)+16%HRA(as per the Institute norms)
- Desirable Experience** : Research experience in the area of fabrication and characterization of thin film devices.
- Other Benefits** : Accommodation may be available as per the availability and the Institute norms. Candidate selected for the JRF may register for Ph.D. if eligibility conditions, as set by institute, is met by him/her. Facility of yearly leave, carryover leave, medical benefits etc. may be available as per applicable rules of the project staff
- Age Limit** : 28 years on the last date of application (The upper age limit is relaxable up to 5 years in the case of candidates belonging to SC/ST/OBC/PH and women candidates)



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Tenure of Appointment : Appointment will be made on contract basis for a period of one year initially, which may be extended depending on the performance evaluation on yearly basis till the end of project. Project will end in January 2025.

Note:

1. The applicant will be responsible for the authenticity of information, other documents and photographs submitted.
2. The Institute reserves the right to accept application at any time, and consider candidates of exceptional credentials without applications.
3. Qualification and experience may be relaxed by the Institute at any point of time for otherwise exceptional candidates. Mere, possessing the prescribed qualification does not ensure that the candidate would be called for Interview. The Candidates will be shortlisted on the basis of merit and need of the project.
4. Shortlisted Candidates will be informed by e-mail about the interview date. So, the candidate must provide valid E -mail IDs in their applications.
5. Shortlisted candidates have to present themselves for the interview on the interview date with updated CV, publications if any, and original and attested photocopies of mark sheets/ certificates in support of their academic qualifications. **Due to prevailing COVID situation, the mode of interview will be informed to the shortlisted candidates via the email id provided in the application form.**
6. Applicants in employment (private, government or any other organization) are required to submit a “**No Objection Certificate**” from the employer at the time of interview.
7. No TA/DA will be paid for appearing in the interview (In case of interview in physical mode)

Name of Principal Investigator : Dr. Shweta Tripathi

Designation : Assistant Professor

Department : Electronics and Communication Engineering



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For office use only

Application No.....

APPLICATION FORM

Advt.No.....

Dated.....

Research Project Entitled **Development of Non-Invasive Saliva Based Glucometer for Diabetes Management**

Sanction letter & Date

Sanction order no.: CRG/2021/001199, dated 21/01/2022

Funding Agency

SERB, New Delhi

Name of P.I.

Dr. Shweta Tripathi

Name of Position

Junior Research Fellow (on contract)

Department/Section

Electronics & Communication Engineering

**Paste Self Attested
recent passport
size Photograph**

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|-----|---|--|------------------------------|-------------|-------------------|-----------------|
| 1. | Name of the Candidate (In Capital letter) | | | | | |
| 2. | Sex (Male/Female) | | | | | |
| 3. | Marital Status (Married/Unmarried) | | | | | |
| 4. | Date of Birth | | | | | |
| 5. | Age as on last date of application | _____ Years _____ Months _____ Days | | | | |
| 6. | Father's/Husband's Name | | | | | |
| 7. | Present/Contact Address | | | | | |
| 8. | Permanent Address | | | | | |
| 9. | Mobile No. | | | | | |
| 10. | E-mail | | | | | |
| 11. | Nationality | | | | | |
| 12. | Category | Gen/SC/ST/OBC/PH _____ (enclosed attested copy of certificate) and women | | | | |
| 13. | GATE | Valid up to _____ Score/Rank _____ | | | | |
| 14. | Educational Qualification | | | | | |
| | Qualification | Subject/Discipline | Board/Institute/Univ. | Year | % of marks | Division |
| | 10th or equivalent | | | | | |
| | 12th or equivalent | | | | | |
| | Diploma, if any | | | | | |
| | BA/B.Sc./B.E./B.Tech. | | | | | |



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|----------------------|--|--|--|--|--|
| M.A./M.Sc. | | | | | |
| M.Phil./M.E./M.Tech* | | | | | |
| Ph.D* | | | | | |

*Title of M.E./M.Tech. Thesis:

| | | | | | | |
|-----|---|----------|-----------------------|---------------------|--------------------------|---|
| 15. | Details of Experience in chronological order. Enclose a separate sheet duly authenticated under your signature if necessary | | | | | |
| | Organization | Position | Salary/ Emoluments | Nature of Duties | Nature of appointment | Period of Experience Year Month Days |
| | | | | | | |
| | | | | | | |
| | | | | | | |
| 16. | Research Publications (Attach list):- | | | Numbers : | | |
| | SCI Journals : | | | | | |
| | Non SCI Journals : | | | | | |
| | International Conference/Seminar ./ Symposium Proceeding : | | | | | |
| | National Conference/Seminar ./Symposium Proceeding : | | | | | |
| 17. | Any other information | | | | | |
| 18. | Indicated whether you propose to register for higher degree* at MNNIT, Allahabad. Yes/No (Name of degree is Ph.D) | | | | | |

Note:- *Those candidates who wish to be admitted as student for higher degree (Ph.D.) must fulfill at least the minimum eligibility for the respective admission as available on the Institute website.

DECLARATION

I hereby declare that all the statements made in this application are true and complete and nothing has been concealed/ distorted. I am aware that, if at any time I am found to have concealed/distorted any material information, my engagement is liable to be summarily terminated without notice.

Place:
Date:

(Signature of the Applicant)

Enclosure- Self attested copy of documents

1. Proof of Date of Birth
2. Mark sheets & certificates of all the examination passed
3. Category Certificate, if applicable
4. GATE score card.
5. Experience certificate, if any