



सक्ष्म कणिका एवं संचार अभियंत्रण विभाग
मोतीलाल नेहरू राष्ट्रीय प्रौद्योगिकी संस्थान इलाहाबाद
इलाहाबाद- 211004

Department of Electronics & Communication Engineering
MOTILAL NEHRU NATIONAL INSTITUTE OF TECHNOLOGY ALLAHABAD
ALLAHABAD-211004

Advertisement No- 13/2017/Project Staff

Dated-08-09-2017

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

Application are invited from Indian nationals for the post of Junior Research Fellow (On Contract) in research project entitled "Role of Graphene and MoS₂ on Performance of Surface Plasmon Resonance Based Sensors: An Application to Biosensing" sanction order no. 34/14/10/2017-BRNS/34285 dated 01/08/2017 sponsored by Department of Atomic Energy (DAE), Board of Research in Nuclear Sciences (BRNS), Mumbai. The duly completed application on prescribed format along with copies of supporting documents must reach to: Office of Dean (Research & Consultancy), Motilal Nehru National Institute of technology, Allahabad-211004 on or before 31/10/2017. The envelope should be super scribed as "Application for the post of junior research Fellow (On Contract) in the project Role of Graphene and MoS₂ on Performance of Surface Plasmon Resonance Based Sensors: An Application to Biosensing". A soft copy of the application should also be sent to yogendrapra@mnnit.ac.in email address of Dr. Yogendra Kumar Prajapati. 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 :

1. M. Tech. or M.E. degree in Electronics and Communication Engineering with first division/class with specialization/expertise in Fabrication of thin film, synthesis of nanomaterials, plasmonic sensing or in any such related area, with relevant publication,
2. B. Tech. /M. Sc. degree in Electronics with first division.

Desirable Skill :

1. Candidates should have cleared GATE at any period of time.
2. It is highly desirable that the candidates have basic knowledge of photonic devices, nano-electronics and nano-photonics, etc. and research experience in modelling and simulation of photonic devices.
3. Knowledge of simulation software, like MATLAB (programming), COMSOL Multiphysics etc., are highly desirable.

Fellowship: Rs. 25000.00 per month (consolidated) + HRA (as per norms)

Other Benefits: Accommodation may be available as per the availability and the Institute norms. Candidates having GATE and CPI 6.5 Or 60% marks in M.Tech and CPI 8.0 or 75% marks in M.Sc. may be eligible to register for Ph.D. program of the institute. Facility of early 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).

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.

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. Qualification and experience may be relaxed by the institute at any point of time for otherwise exceptional candidates.
3. Mere, possessing the prescribed qualification doesn't 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 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 and original and attested photocopies of mark sheets/ certificates in support of their academic qualifications.
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 the interview.

Name of Principal Investigator

: Dr. Yogendra Kumar Prajapati

Designation

: Assistant Professor

Department

: Department of Electronics & Communication Engineering



अधिष्ठाता (शोध एवं परामर्श) कार्यालय
मोतीलाल नेहरू राष्ट्रीय प्रौद्योगिकी संस्थान
इलाहाबाद- 211004 (भारत)

OFFICE OF THE DEAN (RESEARCH AND CONSULTANCY)
MOTILAL NEHRU NATIONAL INSTITUTE OF TECHNOLOGY
Allahabad - 211 004 (India)
Website: <http://www.mnnit.ac.in>

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Application No.....

APPLICATION FORM

Advt. No.....

Dated.....

Research Project Entitled Role of Graphene and MoS₂ on Performance of Surface Plasmon Resonance Based Sensors: An Application to Biosensing

Sanction letter & Date 34/14/10/2017-BRNS/34285 dated 01/08/2017

Funding Agency Department of Atomic Energy (DAE), Board of Research in Nuclear Sciences (BRNS), Mumbai

Name of P.I. Dr. Yogendra Kumar Prajapati

Name of Position Junior Research Fellow (on contract)

Department/Section Electronics and Communication Engineering

Self Attested recent passport size Photograph

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.	NET/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.					
	M.A./M.Sc.					
	M.Phil./M.E./M.Tech*					
	Ph.D*					

*Title of M.E./M.Tech. Thesis:.....
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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	(i) Computer proficiency including knowledge of computer programming languages. (ii) Exposure to commercial software (MATLAB, COMSOL Multiphysics, etc). (iii) Written and Oral Communication Skills (Rate yourself in a scale of 1 to 5 where 1 means 'poor' and 5 means 'excellent' in the above categories. You may also write/attach documents in support of your claims)					
18.	Indicated whether you propose to register for higher degree* at MNNIT, Allahabad. Yes/No (Name of degree)						

Note:- *Those candidates who wish to be admitted as student for higher degree 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: _____ (Signature of the Applicant)
Date: _____

- 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. NET/GATE score card, if passed
 5. Experience certificate, if any