



राष्ट्रीय प्रौद्योगिकी संस्थान दिल्ली

NATIONAL INSTITUTE OF TECHNOLOGY DELHI

(मानवसंसाधन विकास मंत्रालय, भारत सरकार के अधीन एक स्वायत्त संस्थान)

(An autonomous Institute under the aegis of Ministry of HRD, Govt. of India)

Sector A-7, Institutional Area Narela, Delhi-110040, INDIA, Tele: +9111-27787500-503, Fax: +9111-27787503

Website: www.nitdelhi.ac.in

Walk-in Interview Advertisement for Junior Research Fellow (JRF) Position in Mathematics

Applications are invited from highly motivated and eligible candidates for 1 (one) position of JRF in the following DST-SERB funded sponsored research project:

Project Title: Modeling and simulation of moored ship motion in Paradip port under the resonance conditions for multidirectional random waves.

Funding Agency: Science and Engineering Research Board (SERB) - DST, Government of India

Name of the Project Investigator (PI): Dr. Prashant Kumar, Assistant Professor

Department: Applied Sciences

Date of Interview: 14-09-2017

Duration of the project: 3 Years (2017-2020)

Eligibility Criterion:

Essential Qualification:

- I. Master of Science (M.Sc.)/Master of Arts (MA) in Mathematics/Applied Mathematics/Industrial Mathematics with first division/class with specialization in Computational Applied Mathematics/Mathematical Modeling/Fluid Dynamics or in any such related area. Candidates should have cleared GATE/CSIR-NET/CSIR-JRF in mathematics at the time of applying.
- II. B. Sc. degree in Mathematics with first division.

Age limit: 28 years for general category (3-year relaxation in case of OBC/SC/ST and Physically Handicap (PH) candidates)

Desirable Qualification & Experience:

- It is highly desirable that the candidates have research experience related to Numerical approximation methods such as Boundary Element method (BEM)/Finite Element Method (FEM) based on linear and non-linear waves.
- Knowledge of Programming languages like FORTRAN, MATLAB, and software package such as COMSOL Multiphysics etc. is highly desirable.

Job Profile:

The responsibility of the JRF will be to study numerical method such as boundary element method and finite element method. Further, he/she has to develop an efficient numerical model based on BEM/ FEM for the analysis of moored ship motion under the resonance conditions.

Duration of Appointment:

Initially the appointment will be made for one year which can be extended up to 3 (three) years, purely based on the performance. The position is co-terminus with the project.

Fellowship:

A consolidated salary/fellowship of INR 25,000/- per month will be paid as per the terms and conditions of the project. (First two year: Rs. 25000/- and Third year: Rs. 28000/-)

Selection Procedure:

- Students fulfill the above essential qualification will be considered for walk-in Interview on **14th September 2017 at 11:00AM** in **NIT Delhi** after duly check their original certificates from High school to Master including GATE/NET score cards.
- Candidate has to fulfill the completed application as attached below before appear in the Interview.
- The decision of the expert panel set up for interview will be considered final.
- The appointment is for time bound project and the candidate is required to work dedicatedly for the successful completion of the project. Selected candidate has to join immediately.
- No TA/DA shall be paid to candidates for attending the Interview.
- Selected candidate will be encouraged to enroll for Ph.D. as per rules of NIT Delhi.
- All the Terms and Conditions for this recruitment will be as per guidelines of Science and Engineering Research Board, Department of Science and Technology (DST), Government of India.



(Dr. Prashant Kumar)

Principal Investigator, DST –SERB Project 2016
Assistant Professor, Applied Sciences (Mathematics)
NIT Delhi, Sector A-7, Institutional Area, Narela 110040, Delhi, INDIA.
Email: prashantkumar@nitdelhi.ac.in



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Application Form for JRF at Applied Sciences: DST-SERB Project 2017

Personal Details

1.	Name (in block letters):		Affix a Passport size Photograph or insert photograph
2.	Father's Name:		
3.	Date of Birth:		
4.	Place of Birth:		
5.	Contact Number (s):		
6.	Email Address:		
7.	Gender:		
8.	Address for correspondence: (Complete Address with pin code)		
9.	Permanent Address: (Complete Address with pin code)		
10.	Category (Gen./OBC/SC/ST):		

Educational Details

(In reverse Chronological order i.e. starting with highest degree first)

Degree	Subjects	University/Institution	Year	Grade or % of marks

Experience Details (Teaching/ Industry/ Research)

(In reverse Chronological order i.e. starting with latest experience first)

S. No.	Organization	Nature of Work	Duration	Salary

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Details of GATE/NET/CSIR-JRF Qualification

Qualification Year	
Discipline	
Score	
Rank	
Marks Obtained	
Validity	

Other Details

Details of Professional Skills	
Title of M. Sc. Dissertation	
How the above position is helpful in meeting your career goal (Max 250 words)	
Details of Research Publications (If any)	Attached a separate sheet
Any other relevant information	
References (Two) <small>(Name of two referees who are familiar with your academic and research background)</small>	

I hereby declare that the above information is correct to the best of my knowledge and belief. I understand that my candidature will be cancelled if any information is found incorrect at any given period of time.

(Signature)

Name of the Candidate:

Date:

Place: