

SRIC/06

INDIAN INSTITUTE OF TECHNOLOGY, ROORKEE
(Department of Physics)

Dated: 29/8/2026

ADVERTISEMENT TO FILL UP PROJECT POSITIONS

Applications are invited from Indian nationals only for project position(s) as per the details given below for the consultancy/research project(s) under the Principal investigator (Name: **Prof. P. Arumugam**), Dept./Centre: **Physics**, Indian Institute of Technology, Roorkee.

1. Title of project: QUEST (Quantum Enhanced WRF model for Urban Climate System Modelling)
 2. Sponsor of the project: National Quantum Mission, DST
 3. Project position(s) and number: Project Consultant (01)
 4. Qualifications: PhD + 2 years relevant experience.
 5. Emoluments: 1,47,000 per month + HRA
 6. Duration: 3 years
 7. Job description: Project coordination and management, Development and testing of Quantum Algorithms
-
1. Candidates before appearing for the interview, shall ensure that they are eligible for the position they intend to apply.
 2. Candidates desiring to appear for the Interview should submit their applications with the following documents to the office of the Principal Investigator through email, by post, or produce them at the time of the interview:
 - Application in plain paper with a detailed CV including a chronological discipline of degrees/certificates obtained.
 - Experience including research, industrial field, and others.
 - Attested copies of degree/certificate and experience certificate.
 3. Candidate shall bring along with them the original degree(s)/certificate(s) and experience certificate(s) at the time of interview for verification.
 4. Preference will be given to SC/ST candidates on equal qualifications and experience.
 5. Please note that no TA/DA is admissible for attending the interview.
 6. Candidates must send their CV to the Principal Investigator's email address by 7 September.

The interview will be held on **10 September 2026**, at the Department of Physics

Tel: 8979890366
Email: arumugam@ph.iitr.ac.in

Approved

P. Arumugam 29/8/26
signature of Principal Investigator
Prof. P. Arumugam

Dean

Sponsored Research & Industrial Consultancy
Indian Institute of Technology Roorkee
Roorkee-247 667 (INDIA)

29/8/2026

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(Department of Physics)

Dated: 29/08/2026

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1. Title of project: **QUEST** (Quantum Enhanced WRF model for Urban Climate System Modeling)
 2. Sponsor of the project: National Quantum Mission, DST
 3. Project position(s) and number: Project Fellow(1)(01)
 4. Qualifications: PhD
 5. Emoluments: 58,000 – 1,10,000/- per month + HRA
 6. Duration: 3 years
 7. Job description: using, developing and testing WRF models (cloud microphysics, simulate using modules) / experience with climate data/ GCM datasets, microphysics or physics, work in HPC with GPU accelerations, knowledge of WRF (particularly, physics involved)
-
1. Candidates before appearing for the interview, shall ensure that they are eligible for the position they intend to apply.
 2. Candidates desiring to appear for the Interview should submit their applications with the following documents to the office of the Principal Investigator through email, by post, or produce them at the time of the interview:
 - Application in plain paper with a detailed CV including a chronological discipline of degrees/certificates obtained.
 - Experience including research, industrial field, and others.
 - Attested copies of degree/certificate and experience certificate.
 3. Candidate shall bring along with them the original degree(s)/certificate(s) and experience certificate(s) at the time of interview for verification.
 4. Preference will be given to SC/ST candidates on equal qualifications and experience.
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29/8/2026

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INDIAN INSTITUTE OF TECHNOLOGY, ROORKEE
(Department of Physics)

Dated: 27/08/2026

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Applications are invited from Indian nationals only for project position(s) as per the details given below for the consultancy/research project(s) under the Principal Investigator (Name: **Prof. P. Arumugam**), Dept./Centre: **Physics**, Indian Institute of Technology, Roorkee.

1. Title of project: **QUEST** (Quantum Enhanced WRF model for Urban Climate System Modeling)
 2. Sponsor of the project: National Quantum Mission, DST
 3. Project position(s) and number: Project Fellow(2)(01)
 4. Qualifications: PhD
 5. Emoluments: 58,000 – 1,10,000 per month + HRA
 6. Duration: 3 years
 7. Job description: Building Quantum Algorithms, microphysics or physics with Quantum Computing domain, work in HPC with GPU accelerations, knowledge of WRF (particularly, physics involved)
-
1. Candidates before appearing for the interview, shall ensure that they are eligible for the position they intend to apply.
 2. Candidates desiring to appear for the Interview should submit their applications with the following documents to the office of the Principal Investigator through email, by post, or produce them at the time of the interview:
 - Application in plain paper with a detailed CV including a chronological discipline of degrees/certificates obtained.
 - Experience including research, industrial field, and others.
 - Attested copies of degree/certificate and experience certificate.
 3. Candidate shall bring along with them the original degree(s)/certificate(s) and experience certificate(s) at the time of interview for verification.
 4. Preference will be given to SC/ST candidates on equal qualifications and experience.
 5. Please note that no TA/DA is admissible for attending the interview.
 6. Candidates must send their CV to the Principal Investigator's email by 7 September.

The interview will be held on **10 September 2026** at the Department of Physics

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1. Title of project: **QUEST** (Quantum Enhanced WRF model for Urban Climate System Modelling)
 2. Sponsor of the project: National Quantum Mission, DST
 3. Project position(s) and number: JRF (01)
 4. Qualifications: M. Sc. in Physics with GATE/NET.
 5. Emoluments: 37,000 per month + HRA
 6. Duration: 3 years
 7. Job description: Development of Quantum Algorithms; Perform simulations; Support data analysis using computational and ML tools.
-
1. Candidates, before appearing for the interview, shall ensure that they are eligible for the position they intend to apply.
 2. Candidates desiring to appear for the interview should submit their applications with the following documents to the office of the Principal Investigator through email, by post, or produce them at the time of the interview:
 - Application in plain paper with a detailed CV including a chronological discipline of degrees/certificates obtained.
 - Experience including research, industrial field, and others.
 - Attested copies of the degree/certificate and experience certificate.
 3. Candidate shall bring along with them the original degree(s)/certificate(s) and experience certificate(s) at the time of the interview for verification.
 4. Preference will be given to SC/ST candidates on equal qualifications and experience.
 5. Please note that no TA/DA is admissible for attending the interview.
 6. Candidates must send their CV to the Principal Investigator's email by **11 September**.

Note: The selected candidate may get an opportunity for PhD admission.

The interview will be held on **15 September, 2026**, at the Department of Physics

Tel: 8979890366
Email: arumugam@ph.iitr.ac.in

Approved

P. Arumugam 29/8/26
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INDIAN INSTITUTE OF TECHNOLOGY, ROORKEE
(Department of Physics)

Dated: 29/02/2026

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1. Title of project: **QUEST** (Quantum Enhanced WRF model for Urban Climate System Modelling)
2. Sponsor of the project: National Quantum Mission, DST
3. Project position(s) and number: SRF (01)
4. Qualifications: M.Tech. in relevant discipline + relevant experience with climate (GCM) datasets; experience with HPC with GPU accelerations *with GATE/NET.*
5. Emoluments: 42,000 per month + *HRA*
6. Duration: 3 years
7. Job description: Using, developing, and testing WRF models ; Running simulations with climate (GCM) datasets in HPC & GPU environments;
1. Candidates, before appearing for the interview, shall ensure that they are eligible for the position they intend to apply.
2. Candidates desiring to appear for the interview should submit their applications with the following documents to the office of the Principal Investigator through email, by post, or produce them at the time of the interview:
 - Application in plain paper with a detailed CV including a chronological discipline of degrees/certificates obtained.
 - Experience including research, industrial field, and others.
 - Attested copies of the degree/certificate and experience certificate.
3. Candidate shall bring along with them the original degree(s)/certificate(s) and experience certificate(s) at the time of the interview for verification.
4. Preference will be given to SC/ST candidates on equal qualifications and experience.
5. Please note that no TA/DA is admissible for attending the interview.
6. Candidates must send their CV to the Principal Investigator's email by **11 September**.

The interview will be held on **15 September, 2026** at the Department of Physics

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1. Title of project: **QUEST** (Quantum Enhanced WRF model for Urban Climate System Modelling)
 2. Sponsor of the project: National Quantum Mission, DST
 3. Project position(s) and number: Project Associate (2)(01)
 4. Qualifications: (Masters in Physics or equivalent disciplines/.B.E./B.Tech.) + 3 years of relevant experience
 5. Emoluments: 25,000 – 55,000 per month
 6. Duration: 3 years
 7. Job description: Project administration & coordination; Data analysis;
1. Candidates before appearing for the interview shall ensure that they are eligible for the position they intend to apply.
 2. Candidates desiring to appear for the Interview should submit their applications with the following documents to the office of the Principal Investigator through email, by post, or produce them at the time of the interview:
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 - Experience including research, industrial field, and others.
 - Attested copies of degree/certificate and experience certificate.
 3. Candidate shall bring along with them the original degree(s)/certificate(s) and experience certificate(s) at the time of interview for verification.
 4. Preference will be given to SC/ST candidates on equal qualifications and experience.
 5. Please note that no TA/DA is admissible for attending the interview.
 6. Candidates for walk-in interviews must email their CV to the Principal Investigator by **11 September**.

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1. Title of project: **QUEST** (Quantum Enhanced WRF model for Urban Climate System Modelling)
 2. Sponsor of the project: National Quantum Mission, DST
 3. Project position(s) and number: Project Associate(1)(01)
 4. Qualifications: Masters in Physics or equivalent disciplines/B.E./B.Tech. (Programming knowledge in Python mandatory; knowledge of Fortran and C++ preferred)
 5. Emoluments: 25,000 – 55,000 per month
 6. Duration: 3 years
 7. Job description: Programming in Python/Fortran/C++ preferred / Application of AI & ML methods for analysis/ along with experience in HPC/GPU environments
1. Candidates before appearing for the interview shall ensure that they are eligible for the position they intend to apply.
 2. Candidates desiring to appear for the Interview should submit their applications with the following documents to the office of the Principal Investigator through email, by post, or produce them at the time of the interview:
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