Applications from Indian nationals are invited for Project Appointment under the following project. Appointment shall be on contractual basis with consolidated pay, renewable yearly or upto the duration of the project, whichever is earlier.

**Title of the Project**: Wearable soft robotics for Upper Limb Muscle Power Augmentation with BMI interface (DRDO JATC Project) (RP04191G)

**Funding Agency**: DRDO, Ministry of Defence, New Delhi

**Name of the Project Investigator**: Prof. Sitikantha Roy / Prof. Sushma Santapuri, Co-PI, Department of Applied Mech. [email: p: sroy@am.iitd.ac.in]

**Deptt./Centre**: School of Artificial Intelligence and Department of Applied Mechanics

**Duration of the Project**: Upto: 21/11/2025

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<th>Post (s)</th>
<th>Consolidated fellowship / Pay-slab</th>
<th>Qualifications</th>
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| Research Associate(1)     | Rs.47,000-49000-54000/- p.m. plus HRA @ 24% | Ph.D./MD or equivalent degree in Mechanical Engineering/ Biomedical Engineering/ Aerospace Engineering / Applied Mechanics/ Instrumentation Engineering with first class (60%) or equivalent at all the preceding degrees and certificates along with good publication record in Science Citation Indexed (SCI) Journal. OR ME/MS/MTech. in Mechanical /Biomedical/Aerospace/Applied Mechanics/ Instrumentation Engineering with first class (60%) or equivalent at all the preceding degrees and certificates, and having six years of research, teaching experience in characterization and design of soft materials/actuators, computational mechanics, smart materials, or large deformation modelling, with at least one good publication in Science Citation Indexed (SCI) Journal. Essential: Experience in computational or experimental solid mechanics/smart materials/soft materials. Familiarity with programming language in any of MATLAB/Python language is necessary and knowledge of any FEM software is desirable. Desirable skills: Some basic familiarity with large deformation analysis, soft actuators design/modelling or understanding of soft robotics will be given high priority. Responsibilities: The candidate will be responsible for design of a smart material based soft actuator device. The work will involve both modelling and proof-of-concept prototype development.

The post may be downgraded as per discretion of the Selection Committee if none of the candidate is found suitable for the post.

The candidates who are interested to apply for the above post should download Form No. IRD/REC-4 from the IRD Website (http://ird.iitd.ac.in/rec) of IIT Delhi and submit the duly filled form with complete information regarding educational qualifications indicating percentage of marks/division, details of work experience etc. by e-mail with advertisement No. on the subject line to Prof. Sushma Santapuri at email id: recruitment.jatc@gmail.com and cc it to ssantapuri@am.iitd.ac.in

Contd....
IIT Delhi reserves the right to fix higher criteria for short-listing of eligible candidates from those satisfying advertised qualification and requirement of the project post and their name will be displayed on web link (http://ird.iitd.ac.in/shortlisted) along with the online interview details. Only short-listed candidates will be informed for online interview. In case any clarification is required on eligibility regarding the above post, the candidate may contact Prof Sushma Santapuri at email id: ssantapuri@am.iitd.ac.in

5% relaxation of marks may be granted to the SC/ST Candidates. In case of selection of a retired/superannuated government employee, his/her salary will be fixed as per prevailing IRD norms. As 5% relaxation of marks may be granted to the SC/ST Candidates. 

The last date for submitting the completed applications by e-mail is 16/02/2022 by 5.00 p.m.

वितरण

- Head of the Deptt./Centres/Units:
  - It is requested that the contents of the Above Advt. be brought to the notice of the staff working in your Deptt./Centre/Unit

- Webmaster, IRD
- Notice Boards
- Advertisement file
- Prof. Sitikantha Roy, PI, School of Artificial Intelligence and Department of Applied Mechanics
- Prof. Sushma Santapuri, Co-PI, Department of Applied Mechanics
- Copy to Chairperson, DRC/CRC
- Dr. Harshita Bhatnagar, RD Coordinator, (R&D) Wing