

**Senior Research Fellow (SRF) Under DST Project**

Ref.: IIPE/DORD/PROJECT/21

January 24, 2024

Applications are invited under the Sponsored project at Indian Institute of Petroleum and Energy (IIPE), Visakhapatnam. The details of the position are given below:

Name of the Position	Senior Research Fellow (SRF)
Number of Position (s)	01
Project Title	Machine learning methods for water quality estimation and control in water resource recovery facilities towards circular economy and sustainability
Name of the Principal Investigator (PI) and email-id	Prof. Seshagiri Rao Ambati seshagiri.che@iipe.ac.in
Sanction Number / Project Number	IIPE/DORD/PROJECT/21
Tenure of the Project	02 years. Initial appointment for 12 months. Depending upon the performance of candidate, further extension will be considered.
Job Description	This is a collaborative project between IIPE Visakhapatnam and University of Laval, Qubec, Canada. The selected research fellow will have the opportunity to interact with the team (Prof. Peter A. Vanrolleghem research group) from University of Laval, Qubec, Canada and visit Canada. The research fellow will perform simulation studies using MATLAB and Python on the use of machine learning methods for wastewater treatment plants (WWTP) modelling, optimization and control. Will also carry out experimental studies on a lab scale wastewater treatment plant. Will visit different WWTP in India and collect the data for machine learning model development and analysis. The selected research fellow will have the opportunity to register for PhD program at IIPE if satisfies the PhD eligibility requirements of IIPE.
Essential Qualification(s)	ME/M.Tech in Engineering or related filed with 02 years of research experience and GATE qualification.
Desirable Qualification(s)	Expertize or experience in machine learning is desirable but not mandatory.

Age limit and Relaxation (if any)	35 years (age relaxation as per GoI norms)		
Fellowship	Rs. 42,000	HRA @18% = Rs. 7,560	Total = Rs. 49,560 per month
Application deadline date and Time	February 10, 2024, 5.30 PM.		
Shortlisted Candidates will be informed regarding the date and time of Interview by the PI. Mere possession of essential qualification doesn't guarantee an invitation to the interview. Candidates will be shortlisted based on their merit and as per the requirement of the project. All candidates should make their own arrangements for their stay at Visakhapatnam, if required. No TA/DA will be paid to attend the interview. If felt, interview may be conducted in Online mode.			

How to Apply: Eligible and interested candidates are requested to send the scan copy of filled application form with a copy of self-attested certificates to the Principal Investigator via e-mail with subject line "DST-SRF-<Name of Candidate>" on or before application deadline.

Refer Annexure-I (Terms and Conditions governing project staff) before applying for the Position

(Prof. Seshagiri Rao Ambati)