



INDIAN INSTITUTE OF TECHNOLOGY
KHARAGPUR – 721 302, INDIA
Sponsored Research and Industrial Consultancy

Mr. Rajarshi Banerjee

Administrative Officer (Projects)

ADVERTISEMENT NO. : IIT/SRIC/R/SRU/2026/102, DATED September 13,2026

Applications are invited on plain paper for the following assignment in a purely time bound research project undertaken in the Department of Subir Chowdhury School of Quality and Reliability of this institute for a period of one year from the date of joining with a provision of extension for a maximum period up to four years or termination of the project, whichever is earlier, based on performance.

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| 1. Name of the temporary assignment | : | 1) Junior Research Fellow (JRF) 1 post/s |
| 2. Name of the temporary research project | : | Development of an advanced reliability-based remaining useful life (RUL) estimation framework for multi-component autonomous underwater vehicle (AUV) systems (Project Code – R/SRU) |
| 3. Name of the Sponsoring Agency | : | Directorate of Futuristic Technology Management (DFTM), Defence Research and Development Organisation, Ministry of Defence |
| 4. Consolidated Compensation (per month) | : | 1) Rs. 37000 /- (depending on qualification and experience) |

5. Qualifications & Experience :

1) Rs. Post Graduate Degree in Basic Science OR Graduate / Post Graduate Degree in Professional Course selected through a process described through any one of the following:

a. Scholars who are selected through National Eligibility Tests - CSIR-UGC NET including lectureship (Assistant Professorship) and GATE.

b. The selection process through National level examinations conducted by Central Government Departments and their Agencies and Institutions such as DST, DBT, DAE, DOS, DRDO, MoE, ICAR, ICMR, IIT, IISc, IISER, NISER etc.

Candidates with prior exposure to Reliability Engineering, Predictive Maintenance, Prognostics and Health Management (PHM), stochastic/simulation-based modelling, and data-driven methods will be preferred. Experience in machine learning/deep learning for fault diagnosis, condition monitoring, or remaining useful life (RUL) prediction, along with programming skills in Python/MATLAB and familiarity with reliability or simulation tools, is desirable. /-

The qualifications and experience prescribed are the minimum and mere possession of the same does not entitle a candidate to be called for the interview.

(Rajarshi Banerjee)