

Department of Mechanical Engineering

National Institute of Technology Karnataka, Surathkal

ANSYS-ENTUPLE Postdoctoral Fellowship Position

National Institute of Technology Karnataka (NITK) invites applications for the **Postdoctoral fellowship (PDF)** position in the Department of Mechanical Engineering. This position is sponsored by ANSYS-ENTUPLE.

Number of Positions: 01

Remuneration: Rs 50,000/month (with contingency Rs 30,000/year. HRA is not provided under this scheme)

Application Last Date: 9th Sept 2023

A detailed description is given below:

Project Title /Theme	Design and optimisation of efficient Battery Thermal Management System (BTMS) based on Flow Boiling
Faculty In-charge (with email)	Dr. A. Sathyabhama, Associate Professor, Department of Mechanical Engineering, NITK Surathkal Email: sathyabhama@nitk.edu.in
Essential Qualifications	PhD in Mechanical Engineering/Chemical Engineering or any other related field
Required Skills	Essential Skills: (i) Prior knowledge and hands-on experience on transient heat transfer analysis using ANSYS-Fluent. (ii) Prior knowledge of geometry modelling (Spaceclaim/Workbench) and meshing Fluent-Mesher, ICEM-CFD, Workbench. (iii) Prior experience of using/editing UDF, UDS. Desirable Skills: (i) Experience of designing battery thermal management systems. (ii) Understanding of Electro-Chemistry of electric batteries. (iii) Experience of adjoint solver will be surplus
How to Apply	The candidates opting for PDF should email their detailed CV to sathyabhama@nitk.edu.in with subject line 'Application for PDF'