

DEPARTMENT OF APPLIED PHYSICS  
DELHI TECHNOLOGICAL UNIVERSITY

DTU/Applied Physics/Notice/2026/30

DATED: 13/04/2026

**Advertisement for Student Assistantship (SA) under the SSR activities for ANRF funded research project at the Department of Applied Physics, Delhi Technological University, Delhi**

Applications are invited for Student Assistantship position from highly motivated and eligible undergraduate/ postgraduate intern under the SSR activities for the following ANRF funded sponsored research project entitled "Machine Learning assisted First-Principles study of Anomalous Nernst Effect in Weyl Semimetals".

**No. of position:** 01(one)

**Duration:** Two Months (during Summer Vacations)

**Financial Support:** ₹10000/- (₹5000/- per month for two months only).

**Place of Work:** Computational Quantum Materials Design (CQMD) lab (SB-FF5), Department of Applied Physics, DTU

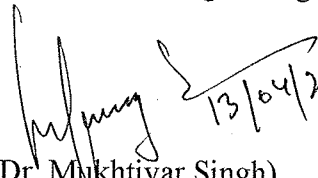
**Working time:** 10:00 A.M. to 6:00 P.M.

**Essential Qualification/Experience:** Undergraduates/ Postgraduates studying in the following disciplines: Physics, Engineering Physics, Mechanical Engineering, Computer Science & Engineering and Electrical Engineering. The intern must have the knowledge about Machine Learning, coding, and python language and ability to work independently.

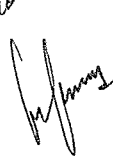
**Duties & Responsibilities**

- Develop and implement machine-learning models to predict candidate topological materials.
- Construct descriptors, curate datasets, and evaluate model accuracy and transferability.
- Perform first-principles electronic-structure calculations to validate ML predictions.
- Compute band structures, Wannier/Berry-curvature-based quantities, and transport indicators relevant to the anomalous Nernst effect.
- Maintain documentation, prepare visualizations, and contribute to technical reports and presentations.

**Application Procedure:** Interested students are required to submit their resume at [mukhtiyarsingh@dtu.ac.in](mailto:mukhtiyarsingh@dtu.ac.in) on or before **23-04-2026**. Only the shortlisted intern will be called for personal interaction through Google meet during **1<sup>st</sup> week of May, 2026**.

  
(Dr. Mukhtiyar Singh)

Principal Investigator

✓ - HoD, CC  
with a request to upload the advt. on  
DTU website.  13/04/2026