



**DST-ANRF SPONSORED TWO-DAY WORKSHOP (Offline Mode)**  
**QUANTUM MATERIALS: FUNDAMENTALS and APPLICATIONS**

Organized by the Department of Sciences, IIITDM Kurnool, Andhra Pradesh, India

6<sup>th</sup> -7<sup>th</sup> March 2026

Department of Sciences IIITDM Kurnool

**SCOPE OF THE WORKSHOP**

The peculiar properties of quantum materials (QMs) have garnered significant attention because they have the potential to serve as building blocks for entirely new technologies in modern science and technology. QMs exhibit emerging phenomena governed by quantum confinement, strong electronic correlations, topology, and symmetry, making them exceptional materials. The workshop provides a strong conceptual understanding of fundamental quantum phenomena, introduces current research trends, and emerging applications such as quantum computing and spintronics. The program also motivates participants toward research and higher studies in advanced materials science.

**Eligibility:**

- Faculty from UG & PG colleges/institutes in and around the Kurnool region.
- Research scholars may also register.
- Participants will be selected on a first-come basis.
- Limited to 25 participants.

**Registration:**

- ✓ Opens: 01<sup>st</sup> Feb 2026 (Sunday)
- ✓ Closes: 24<sup>th</sup> Feb 2026 (Saturday)
- ✓ **No Registration Fee!**
- ✓ Participation Certificates will be issued



**Registration Link :**

<https://forms.gle/zFSoZtNrRGzvuXLS7>

**ORGANISING COMMITTEE**

**Coordinator**

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**CONTACT US**

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**ABOUT DST-ANRF**

The Anusandhan National Research Foundation (ANRF) was established under the ANRF Act 2023 to promote research and innovation across India. It supports universities and research institutions by providing strategic direction and funding, in line with the National Education Policy (NEP-2020). It is imperative to build the basis for a continuous supply of human resources in science and technology. The proposed workshop is a part of the Scientific Social Responsibility (SSR) of the ANRF scheme in motivating faculty of colleges/institutions to pursue a research career in emerging areas of science and technology.

**ABOUT IIITDM KURNOOL**

Indian Institute of Information Technology Design and Manufacturing Kurnool (IIITDM Kurnool), is a centrally funded technical institute established in 2015, by the Ministry of Education, Govt. of India. IIITDM Kurnool was accorded the status of an Institute of National Importance. The Hon'ble Prime Minister dedicated the institute to the nation on 20<sup>th</sup> February 2024. The institute is offering B.Tech. programmes in Computer Science Engineering, Artificial Intelligence and Data Science, Electronics and Communication Engineering (specialization: Design and Manufacturing) and Mechanical Engineering (specialization: Design and Manufacturing), M. Tech. programmes in CSE, AI&DS, VLSI and Embedded Systems, IoT and Drones, Smart manufacturing, Robotics and Automation. The institute is offering Ph.D. programme in emerging research areas such as Advanced Materials, Semiconductors, Quantum Technologies, Manufacturing & Industry 4.0, Hydrogen Energy, Cyber-Physical Systems & Cybersecurity, Artificial Intelligence (AI), Machine Learning (ML), Data Science & Data Analytics, Internet of Things (IoT), Robotics, Drone Technology and 3D Printing etc.,

**ABOUT THE DEPARTMENT OF SCIENCES**

The Department of Sciences at IIITDM Kurnool contains three divisions, namely Mathematics, Physics and English, with 15 faculty. It offers basic /advanced core/elective Mathematics and Physics courses for B. Tech Programmes. Besides, the Department of Sciences also offers Ph.D. Programmes in the frontier areas of Mathematics, Physics, and English.

