CALL FOR

Professor of Research and Practice (PRP) / Industry Mentors for Research (IMR)

The Objective

To enhance quality & relevance of Research work at University by creating mechanism to engage industry personal interested in contributing towards research ecosystem. The research focus areas are listed as a part of Science and Technology Advanced Research (STAR) labs.

A typical profile for the appointment of PRP/IMR:

- Working in a 'frontline' company that promotes active research.
- Active in either publishing in high quality venues or in patenting ideas.
- Preferably have a Ph.D. from a reputed institute.
- Willing to spend quality time at KLE Tech:
- Minimum of 10-12 hrs./month including guest lectures / research advising.

Expectations from PRP/IMR:

Be on the research committee of 1-2 Ph.D. students preferably as a Joint Advisor. Jointly advise at 1-3 UG/PG projects.

Suggested terms of PRP/IMR:

- Contract of at least two years duration, with employer consent.
- Compensation: Consolidated salary of 5-10% (depending on seniority, time, and negotiation) of maximum academic salary of a professor.

Science and Technology Advanced Research (STAR) Labs at KLE Tech

To emerge as a research-intensive University in the next decade, we intend to build a strong research culture that continues to push the boundaries of innovation and discovery. All the Schools/departments and interdisciplinary centers drive cutting-edge research through academic programs, sponsored projects, and collaborations with industry and academic institutions of high repute. Please visit for more details: https://www.kletech.ac.in/research-innovation/research-centres.

List of STAR labs at KLE Tech and their research focus areas are:

- Centre of Excellence in Material Science: Bio/synthetic polymer-based nanocomposites and nanomaterials, Thin films for tribological and sensing applications, Novel materials for energy storage/harvesting applications.
- Centre of Excellence in Visual Intelligence: Deep learning based 2D and 3D data processing, Generative models for synthetic data generation, underwater enhancement and 3D reconstruction, XR and engineered data.
- **Centre of Excellence Energy and Environment (CEEE):** Pure hydrogen production, Integrated waste treatment and energy resource recovery, and Supercapacitors.
- Centre for Intelligent Mobility (CIM): Perception and navigation, V2X communication and Secured connectivity.
- **Electric Vehicle Innovation Centre:** Smart e-drive systems, Battery management, and Charging infrastructure with the distribution grid.
- Centre for AI Research (CAIR): AI based HPC, Clod, healthcare applications and edge computing
- Centre for Automation and Robotics Research (CARR): Al in manufacturing, Smart warehouse environment.

Applications can be sent to <u>dean_rd@kletech.ac.in</u> with selected research focus areas www.kletech.ac.in