

PMIST Policy for Promotion of Research

Introduction

The dedicated commitment for research and development at Periyar Maniammai Institute of Science & Technology (PMIST) is reflected in the very motto of the institution i.e Think, Innovate and Transform. It also broadly highlights the domains and the road map of research process, starting from Thinking and ending with Transformation (of thinking) into a performing products useable or used by the society. This brief write up encompasses the policy promotion and research methodology adopted at PMIST which is mostly an interdisciplinary activity.

Policy and objectives of Research:

The research policy of PMIST is to achieve sustained high standard of research with international repute both in applied and pure science and technology. The focus of research is to enhance and enrich the standard of the quality of life of the society with improved health and happiness. The research should have concentrated focus on the National and International importance of attaining and sustaining self-reliance and superiority in Technology and Science. Objectives are strategically adopted to achieve partly the institutional social responsibility towards the mankind.

- ❖ Creating and sustaining excellent research culture
- ❖ Providing matching infrastructure and logistical support for achieving the best result.
- ❖ Encouraging inter and multidisciplinary collaborative study and research both in applied and basic pure core areas.
- ❖ Motivating to publish high quality research papers in journals of international repute and recognition.
- ❖ Insisting upon to file patents and transfer of technological achievements (out of the research) for industrial adoption.
- ❖ Generating creative scientific research oriented human research in the society.
- ❖ Enforcing high degree of ethical and moral standard in the entire research activities so that the study is with unquestionable integrity.
- ❖ Adopting the normal code of conducts and disciplines and contemplated by the status and regulations.
- ❖ Thus, making the research and academic education at PMIST known globally thereby moving in the ladder to achieve is top-notch Institutional positions in the international area.

Design and Development of Research

Fair and Good Research is basically and essentially an attitude and approach of the intellectual-oriented mind set. It deals expressively/extensively with the design,

development, document and finally dedication to the society the outcome of research. The following processes encircle the entire research activities.

- Training of the researchers properly in the avenues of research methodologies.
- Cultivating the inclusive and unique creative approach to research instead of “also run attitude”.
- Providing academic and operational freedom is doing research especially in inter and multidisciplinary areas.
- Ensuring clear and Integral documentation system to ensure appropriate records as proof of research methods and outcomes.
- Following statutory and safety regulations during every step of the research.
- Designing the process flow of the research and adhering to it during implementations.
- Recording the experimental and empirical values scrupulously in a well structured documentation system.
- Compiling and analysis of the results to arrive at a rational and reasonable conditions.
- Publishing/presenting the progress and outcomes to the appropriate for effort as regular view.
- Economy has to catch world during research to make it more effective and affordable.
- Ensuring the quality of the experimental used for study and these are to be calibrated.
- Maintaining standard operating procedures (SoP) for the lab operations.
- Processing samples of the experiments as evidence for review.
- Providing well trained, experienced and after guidance through Research Guides, to ensure proper adherence to the research study and adequate progress (with time).
- Consolidating the presently the outcome and results of the research is the crest of the achievement.
- Applying for patents have to be ensured in time for the claim of Intellectual Property Rights.
- All through the research the PMIST regulations and other rules of appropriate statutory bodies are to be ensured
- Disseminates the outcome and results with openers for the benefit of the society