

Report of Faculty Development Programme (FDP) Organized by IAPT RC-4 Uttar Pradesh at Invertis University, Bareilly

A six-day Faculty Development Programme (FDP-2024) on “**Data Analysis and Instrumentation Techniques for Translational Research**” was successfully conducted from 15th to 20th July 2024. The event was organized in collaboration between Invertis University, Bareilly, and the Indian Association of Physics Teachers (IAPT) RC-4 Uttar Pradesh under the aegis of the Faculty of Science. The programme was designed to equip faculty members and researchers with advanced skills in data analysis and instrumentation techniques, crucial for translational research in the modern scientific landscape. During the six-day FDP-2024, the organizers had the privilege of hosting eminent speakers: Dr. Amit Kumar Misra, Dr. Harsh Vardhan Mahara, and Dr. Upendra Kumar. Dr. Amit Kumar Misra, from the Department of Statistics, Babasaheb Bhimrao Ambedkar University, Lucknow, delivered an insightful lecture on scales of measurement and graphical representation. Dr. Harsh Vardhan Mahara, Associate Professor at Invertis University, Bareilly, provided comprehensive lectures on LaTeX, a typesetting system widely used in academia and publishing. Dr. Upendra Kumar, from Indian Institute of Information Technology, Allahabad, offered a thorough exploration of X-ray diffraction (XRD) and its crucial role in material characterization.

Prof. Sundar Singh, IAPT Executive Member from RC-04 also addressed during the inaugural function of FDP and highlighted the academic activities undertaken by IAPT. He appreciated the efforts of Invertis University Officials, particularly honorable vice-chancellor Prof. Y. D. S. Arya and Prof. P. P. Singh, Dean, Faculty of Science, Invertis University for helping RC-04 in organizing such an informative program. Around 45 faculty members from various institutions participated in this FDP. The successful completion of FDP-2024 marks a significant step towards enhancing the research and teaching capabilities of faculty members and strengthening the academic and research ecosystem at Invertis University. The feedback from participants was overwhelmingly positive, with many expressing their appreciation for the well-structured curriculum and the expertise of the resource persons.

