## Report for conducting Short-Term Course on "Advancing Real-Time IoT Applications with Machine Learning and Deep Learning" from 10 -14 April, 2025

Online Short Term Program on "Advancing Real-Time IoT Applications with Machine Learning and Deep Learning" was organized by the Department of Information Technology during on 10<sup>th</sup> – 14<sup>th</sup> April 2025. The Short-Term Course was successfully conducted with active participation from faculty, research scholars, and industry professionals. The program provided a comprehensive platform for participants to explore the integration of IoT with cutting-edge AI technologies, focusing on real-time data processing, predictive analytics, and intelligent automation. Through a blend of expert lectures, hands-on sessions, and interactive discussions, attendees gained valuable insights into deploying ML and DL techniques for practical IoT use cases across domains such as healthcare, smart cities, and industrial automation. The course featured distinguished speakers from academia and industry who shared emerging trends, challenges, and solutions in this rapidly evolving field. Participants expressed strong appreciation for the depth of content, clarity of instruction, and practical relevance of the sessions. The event not only strengthened foundational understanding but also sparked collaborative ideas for future research and innovation in AI-driven IoT systems. 138 no. of participants have registered for the workshop and collection was Rs. 46850 (Including GST).



