



ANJUMAN-I-ISLAM'S

KALSEKAR TECHNICAL CAMPUS, NEW PANVEL

Approved by : All India Council for Technical Education, Council of Architecture, Pharmacy Council of India New Delhi,
Recognised by : Directorate of Technical Education, Govt. of Maharashtra, Affiliated to : University of Mumbai.

☒ SCHOOL OF ENGINEERING & TECHNOLOGY

☐ SCHOOL OF PHARMACY

☐ SCHOOL OF ARCHITECTURE

DEPARTMENT OF ELECTRICAL ENGINEERING

Ref.: AIKTC/SoET/EE/2025/19

31 January 2025

INDUSTRIAL VISIT

Name of resource person:	Mr. Rukmanna Kharatmol
Designation:	Reliance Jio Event Co-ordinator
Contact details:	8108909145
Date of Visit:	30 January 2025
Title of Visit:	Educational Visit
Organized by:	Department of Electrical Engineering, AIKTC, New Panvel, Navi Mumbai.
Target audience:	Second Year and Third Year Students
Faculty Benefited:	Prof. Shraddha Sawant, Prof. Sheeba Naaz Ansari
Support Staff Benefited:	Mr. Shahvez Mulla
Number of Students Benefited:	20

DETAILS OF ONE DAY VISIT REPORT:

Aims/Objectives:	The purpose of the visit was to observe and understand the infrastructure, operational processes, and advanced technologies utilized within the data center to support Reliance's extensive digital operations.
Description of Visit:	On 30th January 2025, a visit was conducted to the Learning Data Center at Reliance Corporate Park in Navi Mumbai. Overview of Reliance Corporate Park: Reliance Corporate Park is a leading business hub that accommodates several Reliance Group divisions. The Learning Data Center, located within this park, is a vital component supporting the company's data management, storage, and processing needs. It plays a crucial role in enhancing operational efficiencies and enabling data-driven decision-making across the organization.

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Infrastructure and Technology:

The Learning Data Centre is equipped with state-of-the-art infrastructure designed for high performance and scalability.

- **Cooling Systems:** Advanced cooling solutions have been implemented to maintain optimal temperature levels for the equipment, preventing any risk of overheating and ensuring continuous operations.
- **Power Supply:** A robust power system, including uninterruptible power supply (UPS) units and backup generators, ensures uninterrupted power even during outages.
- **Networking:** The centre utilizes high-speed fibre optics for data transmission, enabling seamless communication between systems and external networks.

Security and Disaster Recovery:

Security is a key priority at the Learning Data Centre. The centre is equipped with biometric access controls, ensuring that only authorized personnel can access sensitive areas. The data centre has a comprehensive disaster recovery plan, with geographically distributed backup centres, ensuring business continuity in case of unforeseen disruptions.

AI and Automation Integration:

A standout feature of the Learning Data Centre is the integration of artificial intelligence (AI) and automation. AI-driven tools help detect issues early, predict maintenance needs, and enhance resource allocation, ensuring that the data centre operates at peak efficiency with minimal downtime.

Sustainability Practices:

The Learning Data Centre is committed to sustainability, aligning with Reliance's environmental goals. Energy-efficient technologies are used to minimize power consumption, while renewable energy sources are incorporated into the centre's operations.

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Employee Training and Development:

The data centre also serves as a platform for employee training. It provides hands-on learning opportunities in areas such as data management, cloud computing, and cybersecurity.

Collaboration Across Units:

The Learning Data Centre plays a vital role in promoting collaboration across various Reliance business units. By centralizing data resources and enabling efficient data sharing, it supports faster decision-making and allows departments to work together more effectively.





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Outcome of Visit:

The visit to the Learning Data Center at Reliance Corporate Park provided valuable insights into the company's use of advanced technologies to drive operational excellence. The integration of AI, focus on security, sustainability, and employee development highlights Reliance's commitment to innovation and continuous improvement.

Dr. Afzal Shaikh
HOD, ECE

Dr. Rajendra Magar
Dean, SoET

Dr. Ramjan Khatik
Director, AIKTC

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