



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 COMPUTER SCIENCE & ENGINEERING (AIML)

Ref.: AIKTC/SoET/CSE-AIML/2025-26/

Date: 03/10/2025

From Static to Smart: Evolving DWM with Artificial Intelligence Academic Year-2025-26

Date/Duration:	3 Oct 2025
Mode:	Offline
Time:	Monday 10:00 a.m. to 11.00 p.m.
Staff Coordinators:	Prof. Kirti Thakur
Event Conducted under:	CSE(AIML), AIKTC New Panvel.
Activity Type:	Expert Talk
Target Group:	TE CSE(AIML) Students.

Objectives:

The To provide an in-depth understanding of how Artificial Intelligence technologies are transforming data warehousing by improving data integration, management, analytics, and decision-making processes, enabling smarter, faster, and more efficient handling of large-scale enterprise data.

session aims to equip students with the knowledge to explore the possibilities of deep learning in fields such as AI, machine learning, and data science.

Total strength:44

Resource Person' Profile:

Dr.Vijayalaxmi Kadrolli

Associate Professor, MGM CET , Kamothe, Navi Mumbai

* Dr.Vijayalaxmi Kadrolli is currently working as Associate Professor in computer engg dept at MGM CET, Kamothe , Navi Mumbai , Maharashtra, India, an institute affiliated to Mumbai University (MU) , Mumbai, Maharashtra, India. She has obtained M.Tech in Computer Science and engineering in 2004 from PDA college of Engineering from Visveshwaraya Technological University (VTU), Belagavi, Karnataka, India. She obtained Ph.D in Computer and Information Sciences in 2021 from PDA college of Engineering from Visveshwaraya Technological University(VTU), Belagavi, India. She has guided many BE and M.Tech. Projects. She is a life

I n n o v a t i v e T e a c h i n g - E x u b e r a n t L e a r n i n g

Vision : To be the most sought after academic, research and practice based department of Computer Science & Engineering (AIML) that others would wish to emulate.



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member of Indian Society for Technical Education (ISTE), India Member of Institute of Electrical and Electronics Engineers (IEEE). Her research interests areas are in Wireless sensor network, Artificial Intelligence and Machine Learning, Soft computing, Data Science, wireless networking with a Quality of Service (QoS) provisioning, AI scheduling and routing algorithm design in sensor network. She has published more than **40** scientific articles in top-tier journals and conferences, including **Springer journal**, **IEEE** conference proceedings and **Springer Book chapters**. She is the reviewer for various National and International journals and Conferences. And also had patent grants.

Brief Summary about Activity: This lecture explores the convergence of Data Warehousing and Artificial Intelligence, highlighting how AI-driven technologies are revolutionizing traditional data warehouse architectures. It covers the role of AI in automating data ingestion, cleansing, and transformation, as well as enhancing query optimization and predictive analytics. The session also delves into the use of machine learning models to uncover hidden patterns and support real-time decision-making, making data warehouses more intelligent, adaptive, and valuable for businesses.

Outcome of Event :

- Students **gained** a clear understanding of how AI technologies are applied to enhance data warehousing systems.
- Students **identified** important AI techniques used in data processing, analytics, and automation within data warehouses.
- Students **learned** how AI-driven data warehousing improves data quality, speeds up queries, and supports better decision-making.
- Students **understood** practical applications and challenges of using AI in real-world data warehousing scenarios.
- Students **developed** confidence to explore and apply AI tools for improving data management and analytics.

Photo Gallery:

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DEPARTMENT OF COMPUTER SCIENCE & ENGINEERING (AIML)



(Prof. Kirti Thakur)

Course Owner-DWM

(Dr. Salim Shaikh)

Head of Department

Innovative Teaching - Exuberant Learning

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DEPARTMENT OF COMPUTER SCIENCE & ENGINEERING (AIML)

CSE (AIML)

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