



KESHAV MEMORIAL INSTITUTE OF COMMERCE & SCIENCES

Affiliated to Osmania University, NAAC Accredited

Narayanaguda, Hyd

A Unit of Keshav Memorial Educational Society

Report on AI and Industry 4.0 Tools for Machine learning Workshop

Session Details

Title of the session: AI and Industry 4.0 Tools for Machine learning

Date: 29th and 30th November 2025

Duration: 6 Hours

Activity Category: IIC Calendar/MIC Driven/Self Driven/Celebration

Theme: To gain the knowledge on Machine Learning tools

Venue: Computer Science Lab, UG block

Organized by: Keshav Memorial Institute of Commerce and Sciences

Expert/Speaker Details:

Name: Mrs. M. Raga Sudha

Designation: Assistant Professor

Organization: Keshav Memorial Institute of Commerce and Sciences

Brief about Expert/Speaker: Mrs. M. Raga Sudha is an Assistant Professor in the Department of Computer Science at Keshav Memorial Institute of Commerce and Sciences. She has 1 year of industry experience and over 7 years of teaching experience. She holds an MCA and M.Tech in Computer Science and Engineering. She has completed the Infosys Project DRONA certification and TASK certifications in Artificial Intelligence and Digital Transformation. She has also served as a SWAYAM mentor in Analytics. Her teaching areas include Business Analytics, E-Commerce, Web Technologies, C, C++, and other core Computer Science subjects. She is known for her commitment to academic excellence and student-focused teaching

Outcome/Report of the activity:

The workshop helped students gain a solid understanding of key Artificial Intelligence and Machine Learning concepts relevant to Industry 4.0. Participants learned the fundamentals of clustering, classification, supervised algorithms, and unsupervised algorithms, along with their real-time applications. The session also included demonstrations of Tic-Tac-Toe and the 8 Queens problem, which helped students understand how AI techniques are applied to solve logical and strategic problems. These practical examples improved their analytical thinking and gave them clarity on how machine learning models operate.

Overall, the activity enhanced student's conceptual knowledge, practical skills, and understanding of how AI and Industry 4.0 tools are used in modern technological environments.

Key Highlights:

- Covered fundamental concepts of AI and Machine Learning.
- Explained clustering, classification, and key learning algorithms.
- Introduced Industry 4.0 tools and their role in modern ML applications.
- Demonstrated AI concepts through Tic-Tac-Toe and 8 Queens programs.
- Conducted as a two-day interactive session with hands-on learning.
- Improved students analytical thinking and practical understanding.

Participant details:

Total no. of Student participation: 66

Total no. of Staff (Teaching/Non-teaching) participation: 9







- Attendance details /Participants List

Class	Year	No. of Students
M.Sc	I Year	23
M.Sc	II Year	43

- Circular

 **KESHAV MEMORIAL INSTITUTE OF COMMERCE & SCIENCES** 

CIRCULAR
Workshop on
"AI and Industry 4.0 Tools for Machine Learning"
Date: 28th & 29th November 2025
Organized
By Department of CS, AI Club & IQAC
Date: 25-11-2025

Subject: Invitation for "AI and Industry 4.0 Tools for Machine Learning" Workshop organized by the Department of Computer Science and AI Club.

Dear Students,

The Department of Computer Science, in collaboration with the AI Club, is organizing a workshop on "AI and Industry 4.0 Tools for Machine Learning" exclusively for M.Sc. Computer Science students. The session will be conducted by Mrs. M. Raga Sudha, M.C.A, M.Tech, Assistant Professor, KMICS, who will lead an interactive and informative workshop.

Event Details:

- **Date:** 28th & 29th November 2025
- **Time:** 10:00 AM to 12:00 PM
- **Venue:** Computer Science Lab, II Floor, UG Block – KMICS

All students are hereby informed to attend the workshop and make it a grand success.

Let us come together to enhance our knowledge of Artificial Intelligence (AI) and Machine Learning (ML).

We look forward to your enthusiastic participation!

Best Regards, *swapna.k*
25/11/2025
Mrs. K. Swapna,
Head of Department, Computer Science

Mrs. M. Raga Sudha
25/11/25
Mrs. M. Raga Sudha,
AI Club, Convener

Mrs. V. Santhi
25/11/25
PRINCIPAL
Keshav Memorial Institute of Commerce & Sciences
Narayanaguda, Hyderabad-500 040
College Code No: 1110/319



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3-5-1027/b, Ram Narayan Jaiswal Rd, Hari Vihar Colony,
Bhawani Nagar, Narayanguda, Hyderabad, Telangana
500029, India
Lat 17.3981° Long 78.491109°
Friday, 28/11/2025 10:48 AM GMT +05:30



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500029, India
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9fxr+5cg, Dayanand Marg, Hari Vihar Colony, Bhawani
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