MALLA REDDY COLLEGE OF ENGINEERING

(ApprovedbyAICTE,Permanently Affiliatedto JNTUH)Recognizedunder section 2(f)&12(B) of the UGC Act 1956

DEPT OF CSE-DS

AN EVENT ON
"MICROSOFT OFFICE VISIT"
8 TH NOV 2025@9:30 AM TO 3PM

PARTICIPANTS

CSE-DS STUDENTS

MALLA REDDY COLLEGE OF ENGINEERING

COMPUTER SCIENCE AND ENGINEERING
DATA SCIENCE

INDUSTRIAL VISIT

MALLA REDDY COLLEGE OF ENGINEERING

(APPROVEDBYAICTE,PERMANENTLYAFFILIATEDTO JNTUH)RECOGNIZEDUNDERSECTION 2(F)&12(B) OF THE UGC ACT 1956

COMPUTER SCIENCE & ENGINEERING (DATA SCIENCE)

ORGANIZES

INDUSTRIAL VISIT

Join us on a journey of collaboration, innovation, and shared learning — where open source is more than just a tool; it's a philosophy that unites and empowers us all."

8TH NOV 2025 , 9:30 AM

VENUE :

MICROSOFT OFFICE, HYD

PREPARED BY	HOD	PRINCIPAL
A Prashanth	Dr. J. Gladson Maria Britto	Dr. Ashok Maram

VISION

Leverage Data Science expertise in emerging technologies and innovations that benefits industry and society to foster a positive impact through data- driven insights

MISSION

To Equip Students with Innovative and Cognitive Skills in the field of Data Science, while instilling Ethical values and Fostering collaboration between Industry and Academia

To create a learning environment focused on data science and programming for problem-solving, leveraging rapid technological advancements to enhance employ ability and opportunities for higher studies.
To Nurture knowledge that addresses Societal issues through Data Science

Program Outcomes (POs)

Engineering Graduates will be able to:
PO1: Engineering Knowledge: Apply knowledge of mathematics, natural science, computing, engineering fundamentals and an engineering specialization as specified in WK1 to WK4 respectively to develop to the solution of complex engineering problems.

PO2: Problem Analysis: Identify, formulate, review research literature and analyze complex engineering problems reaching substantiated conclusions with consideration for sustainable development.

PO3: Design/Development of Solutions: Design creative solutions for complex engineering problems and design/develop systems/components/processes to meet identified needs with consideration for the public health and safety, whole-life cost, net zero carbon, culture, society and environment as required. (WK5)

PO4: Conduct Investigations of Complex Problems: Conduct investigations of complex engineering problems using research-based knowledge including design of experiments, modelling, analysis & interpretation of data to provide valid conclusions. (WK8).

PO5: Engineering Tool Usage: Create, select and apply appropriate techniques, resources and modern engineering & IT tools, including prediction and modelling recognizing their limitations to solve complex engineering problems. (WK2 and WK6)

PO6: The Engineer and The World: Analyze and evaluate societal and environmental aspects while solving complex engineering problems for its impact on sustainability with reference to economy, health, safety, legal framework, culture and environment. (WK1, WK5, and WK7).

PO7: Ethics: Apply ethical principles and commit to professional ethics, human values, diversity and inclusion; adhere to national & international laws. (WK9)

PO8: Individual and Collaborative Team work: Function effectively as an individual, and as a member or leader in diverse/multi-disciplinary teams.

PO9: Communication: Communicate effectively and inclusively within the engineering community and society at large, such as being able to comprehend and write effective reports and design documentation, make effective presentations considering cultural, language, and learning differences

PO10: Project Management and Finance: Apply knowledge and understanding of engineering management principles and economic decision-making and apply these to one's own work, as a member and leader in a team, and to manage projects and in multidisciplinary environments.

PO11: Life-Long Learning: Recognize the need for, and have the preparation and ability for i) independent and life-long learning ii) adaptability to new and emerging technologies and iii) critical thinking in the broadest context of technological change. (WK8)

Program Educational Objectives (PEOs)

PEO1 - Our graduates will attain proficiency in delivering insights through analytics, visualization, design, implementation, and optimization using advanced methodologies and data science tools to effectively tackle challenges.

PEO2 - Our graduates will achieve the Skill to adapt rapidly evolving technologies, integrating new information effectively, and collaborating across multiple disciplines, with a strong focus on innovation and entrepreneurship

PEO3 - Our graduates will demonstrate strong moral values and professional ethics, with the ability to work both independently and collaboratively to address industry and societal needs.

Program Specific Outcomes (PSO's)

PSO1: Apply principles of Computer Science and Engineering to design advanced software tools for building intelligent prediction models that support data-driven decision-making processes.
PSO2: Leverage data science concepts to enhance knowledge in data analytics, statistics, and machine learning, aiming to solve real-world business challenges.

IN COLLABRATION WITH

MALLA REDDY COLLEGE OF ENGINEERING

(Approved by AICTE (New Delhi), Affiliated to JNTUH & Accredited byNBA(CSE&ECE)) Recognised under Section2(f)& 12(B) of the UGC Act1956, An ISO9001:2015 Certified Institution Maisammaguda, Kompally, Dhulapally, Secunderabad – 500100

DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING (DATA SCIENCE)

EVENT NAME	**:**MICROSOFT FABRIX INSIDE
EVEN**T TYPE**	**:**WORKSHOP
PROPOSED DATE & TIME	**:**8TH NOV 2025 ,9:30 AM TO 3:00PM
DURATION	**:**1 DAY
VENUE	**:**MICROSOFT OFFICE (HYDERABAD CAMPUS BUILDING-1)
EXPECTED AUDIENECE	**:**STUDENTS OF 2ND YEAR CSE (DS)
FACULTY	**:**CH.KUMARASWAMY ,G PRIYANKA

EVENT OBJECTIVES

The primary objective of this Microsoft Fabric workshop is to introduce students to the next generation unified analytic platform developed by Microsoft. The event aims to build awareness about Fabric's integrated capabilities across data engineering, data science, business intelligence, and AI-powered automation. A key purpose is to help participants understand the importance of a lake- concentric architecture for managing and transforming enterprise-scale data.

The workshop also seeks to equip students with practical skills to create pipelines, lake houses, and real-time dashboards using Fabric tools. Another objective is to provide hands-on exposure to Fabric notebooks, Copilot features, and intelligent agents for automation. The session strives to enhance students' confidence in working with cloud-based data environments and modern AI technologies. By interacting with industry experts, learners are encouraged to explore career pathways in data and AI domains.

The event focuses on developing problem-solving abilities, technical curiosity, and collaborative skills. It aims to inspire students to adopt a structured approach to data projects and analytic solutions. Ultimately, this workshop supports the vision of empowering young technologists with industry-relevant knowledge, innovation-driven mindset, and readiness for future digital opportunities

EVENT DESCRIPTION

Theworkshop will be an interactiveand hands-onsession aimed at educating students on the unified analytics capabilities of Microsoft Fabric and its real-world applications in data engineering, AI, and business intelligence.

1. **Introduction to Fabrix :**

The organizing team will provide an overview of Microsoft Fabric, explaining its architecture, core features, and the importance of a unified analytic platform. Participants will gain clarity on Fabric's lake-centric design, data engineering modules.

2. **Guided Learning on fabrix s/w:**

After understanding the fundamentals, participants will be guided on how to use Fabric workloads effectively. The team will demonstrate Data Engineering, Data Factory, Real-time Analytics, Data Science, and Power BI within Fabric.

3. **Hands-on Fabrix Experience :**

Participants will get an opportunity to work directly inside Microsoft Fabric to build pipelines, explore lake houses, and perform data transformations. They will work individually or in teams to create sample work flows, dashboards.

4. **Project Presentation & Experience :**

After the hands-on sessions, participants can share their mini-projects or work flows. Selected projects will be appreciated based on technical understanding, creativity, and practical implementation. Outstanding performers will be recognized for their effort and learning

This workshop aims to empower students to explore the future of data analytics with Microsoft Fabric, understand enterprise-grade data workflows, and become industry-ready in cloud data and AI solutions

TARGET AUDIENCE & PARTICIPATION

THE STUDENTS OF 2nd YEAR CSE DEPARTMENT HAD PARTICIPATED
NUMBER OF PARTICIPANTS - 71

PREPARATION

The preparation forthe Microsoft FabricInside Event began with a detailed briefing session led by the university coordinators. Harish Reddy, the student coordinator, played a key role in planning and guiding all student participants. He clearly explained the event objectives, flow, and participation guidelines to ensure smooth execution. The coordinator emphasized discipline, punctuality, and active engagement during the sessions. A structured timeline was shared so that students could prepare themselves in advance. He also guided the volunteering team on welcoming guests and helping participants. The technical team was instructed to manage audio-visual systems and ensure uninterrupted presentations. Harish Reddy stressed the importance of teamwork and professional behavior, reflecting the significance of the event. He motivated students to be curious and make the most of the Microsoft Fabric experience. Rehearsals were conducted to practice stage responsibilities and coordination. Students were encouraged to research Microsoft Fabric features beforehand.

INAUGURATION

The Microsoft Fabric Inside Event began with a formal inauguration ceremony marked by enthusiasm and professionalism. The student coordinator **Harish Reddy** , along with resource persons, welcomed all participants and dignitaries. The event started with a brief introduction to Microsoft Fabric and its importance in modern data analytics and AI-driven cloud solutions. A warm welcome address set a positive tone for the session. The organizers ensured that every arrangement, from seating to technical setup, was perfectly aligned. The volunteer team worked diligently to assist guests and maintain discipline. The technical crew handled audiovisual systems efficiently to support seamless presentations. Behind the scenes, there was strong coordination among the teams to manage schedules, communication, and logistics. Faculty mentors appreciated the dedication and planning of the student coordinators. The collective effort of organizers reflected true commitment and teamwork. The inauguration showcased not just the beginning of a learning event but also the unity and leadership of the student team. With applause and excitement, the event officially commenced, creating a motivating start for all attendees

TEACHING IN THE FABRIX INSIDE WORKSHOP

The teaching session in the Microsoft Fabric workshop was highly interactive and informative. The resource person explained the core concepts of Microsoft Fabric in a clear and structured manner. Real-time examples and industry-based use cases were shared to help students understand practical applications. The trainer demonstrated key features such as data engineering, analytics, and AI integration on the platform. Hands on guidance was provided to help students explore dashboards and workflows. Complex technical topics were broken down into easy-to-understand steps. The instructor encouraged questions and made sure everyone followed the demonstrations. Students actively participated and tried the exercises during the session. The teaching approach balanced theory and practical insights effectively. Overall, the session helped students gain clarity, confidence, and real-world knowledge about Microsoft Fabric.

SPEAKER 1:SATYA ADDALA

Senior consultant Dataplot(Data & AI)

The speaker, a senior technology professional from Microsoft specializing in Azure Data and AI, delivered an engaging session on the intelligence layer of Microsoft Fabric. His talk focused on how AI is deeply integrated into Fabric to enhance automation and decision-making. He began by introducing Copilot in Fabric and explained how it simplifies data tasks through natural language prompts. The speaker demonstrated how organizations can build custom AI models and deploy intelligent agents to automate workflows. He emphasized the importance of combining data engineering with AI capabilities for faster insights and smarter operations. Real use-cases were shared to show how AI-powered agents assist in monitoring pipelines, generating insights, and optimizing data processes. He also discussed responsible AI practices and secure model deployment. His clarity, knowledge, and practical perspective created a highly impactful learning experience.The speaker also highlighted how intelligent agents in Microsoft Fabric can act autonomously to support enterprise data operations. He explained how these agents can monitor data quality, trigger alerts, automate reporting, and assist users in real-time. can personalize automation according to their business needs. The demonstration of conversational data interaction through Copilot impressed the audience and showcased the future of data handling. He encouraged students to focus on prompt engineering, data modeling, and AI ethics to stay relevant in the industry. The session also emphasized continuous learning and hands-on practice with Fabric tools. His dynamic presentation style, practical examples, and industry insights kept everyone engaged. Overall, the session strengthened understanding of AI-enabled data platforms and opened new perspectives on intelligent automation

SPEAKER 2:SRIKANTH RAI

Senior consultant (Azure & AI)

The second session of the event was conducted by Mr. Srikanth Rai, Senior Consultant – Azure & AI, who delivered an engaging presentation titled "Data and AI Magic Show with Fabric."

Mr. Rai captivated the audience by demonstrating how Microsoft Fabric brings together data integration, engineering, and artificial intelligence into a unified analytics platform. Through a series of interactive demonstrations, he showcased the "magic" of transforming raw data into meaningful insights using Fabric's powerful tools. He explained how data can be seamlessly ingested, processed, and visualized using Fabric's integrated environment, enabling organizations to make faster and more accurate decisions. Mr. Rai also highlighted the role of AI-powered analytics in modern data-driven industries, emphasizing automation, real-time insights, and intelligent decision-making. The live demonstrations—referred to as the "AI Magic Show"—allowed students to witness how Fabric simplifies complex data workflows with just a few clicks. His practical examples and engaging explanations helped participants understand the real-world applications of Azure AI and Microsoft Fabric in cloud computing, business analytics, and data science. The session concluded with an interactive Q&A, where students clarified their queries about data pipelines, AI integration, and career opportunities in the Azure ecosystem. Mr. Rai's dynamic presentation inspired participants to explore advanced tools in data and AI, leaving a lasting impression on the audience.

SPEAKER 3: HARISH REDDY

Beta Student Ambassador (Microsoft)

The third session was delivered by Mr. Harish Reddy, Beta Student Ambassador (Microsoft), who presented an insightful and inspiring talk on the role of students in the evolving Microsoft ecosystem. He shared his journey and experiences as a student ambassador, explaining how the program empowers learners to explore Microsoft technologies, collaborate with global peers, and build innovative solutions. Mr. Harish demonstrated how platforms like Microsoft Learn, Azure, and Fabric can help students develop practical skills in cloud computing, data analytics, and artificial intelligence. He encouraged participants to take advantage of learning resources and certification opportunities offered by Microsoft to strengthen their technical careers. Through interactive discussions and live examples, he showcased how students can actively participate in community projects, hackathons, and innovation challenges. His motivational talk inspired attendees to embrace technology-driven learning and highlighted the importance of continuous skill development in today's digital era. The session concluded with an enthusiastic response from the audience, as many students expressed interest in joining the Microsoft Learn Student Ambassador Program and exploring future opportunities with Microsoft Fabric and AI tools.

ORGANIZING TEAM

The MFUGH organizing team demonstrated exceptional efficiency and professionalism throughout the Microsoft Fabric Inside Event. Every member of the team understood their responsibilities clearly and carried them out with dedication. The coordinators ensured proper communication and seamless coordination among volunteers, technical staff, and faculty mentors. Tasks were delegated strategically, ensuring no area was left unattended. The team maintained a high level of discipline and time management, making sure each session started and ended on schedule. Their quick responses to technical and logistical requirements reflected strong planning and presence of mind. Volunteers showed great hospitality by guiding participants, assisting guests, and managing the audience smoothly. The technical team ensured uninterrupted audio-visual support, enhancing the quality of presentations. The documentation and media team captured key moments professionally, contributing to the event's overall impact. Throughout the event, the organizing team maintained enthusiasm and teamwork. Their commitment, preparation, and coordination ensured a successful, impactful, and well-structured learning experience for all attendees.

AUDIENCE FEEDBACK AND EXPERIENCE

The audience responded with great enthusiasm throughout the sessions. Students found the event highly informative and engaging, especially the live demonstrations and real-world examples shared by the speakers. The "Data and AI Magic Show with Fabric" by Mr. Srikanth Rai was particularly appreciated for its interactive style, which made complex technical concepts easy to understand. Participants expressed that the sessions deepened their understanding of Microsoft Fabric, Azure, and AI technologies. Many students shared that they felt motivated and inspired to explore careers in data analytics, artificial intelligence, and cloud computing.

The session by Mr. Harish Reddy resonated strongly with students, as his journey as a Microsoft Beta Student Ambassador encouraged them to take initiative, learn continuously, and actively engage with global tech communities.

Overall, the audience felt that the event was not only educational but also inspiring. The combination of expert insights, hands-on demonstrations, and motivational talks created a positive learning atmosphere and left a lasting impact on all participants.

REGISTRATIONS

NAME

A VARDHAN
A SRIVANI
C SIRICHANDANA
D MANOJ KUMAR
G SANDEEP
G SWATHI
J HIMESH
K NANDU
L SRINU
M SHIREESHA
MOHD UZAIRUDDIN
S RAJASHEKAR
S THANUSREE
SAMLI KUMARI
T UDAY KUMAR
T YASHWITHA
A SRIVANI
Suraj kumar Rout
NIKHITHA CHUNCHU
DASARI GAYATHRI
SHRAVANI
E.VENKATA SRICHARAN
K.SANDEEP
K. JOSHNA GOUD
MUMTAZ BEGUM
NEERAJ KUMAR
NEERAJ KUMAR
P.SRAVANI
TEKI ADHI SESHA VASU
VANTALA RAVALIKA
GUNDLA SAIPREETHIKA
K.NITHANYA
P.ANJALI
P.NITHISHA
VARIGUNTHAM LIKITHA
A.PRANATHI
A.SHIVANI REDDY

REGISTRATIONS

B.TAGORE REDDY
SHIVAPRASAD
G.SINDHU
G.POOJITH
AKSHAY KUMAR
GOWITHI SRI
K.KEERTHANA
N.RAHUL
P.SHESHI
P.VARSHA
SD.SAMEERUDDEN
SYEDA MARIA AHMED
V.MALLISHWARI
T.REVANTH KUMAR
T.HIMABINDHU
CH.AJAY
AARTHI
JHANSI
THARUN TEJ
VISHVESH
SANTOSH
NAGA TARUN
SAI NABHANYU
SATHWIK
KARTHIK
GOPANPALLY VIKAS
LOKNATH
RISHITA
POOJITHA
KUSUMA RAMA LAXMI
SINDHALA SASHI KUMAR
MOHITH
SUKESH RAJ
SAI LIKITH
Harish Reddy
Goshala Priyanka
CH Kumar Swamy

Outcome :

The Microsoft Fabric workshop enabled students to gain practical knowledge of modern data engineering, analytics, and AI tools, enhanced their technical confidence through hands-on activities, and inspired them to explore career opportunities in cloud, data, and AI domains through expert sessions and real-world demonstrations.

PO–PSO Mapping :

PSO1 is mapped to: PO1, PO2, PO3, PO4, PO5, PO10, PO11
PSO2 is mapped to: PO1, PO2, PO3, PO4, PO5, PO6, PO11