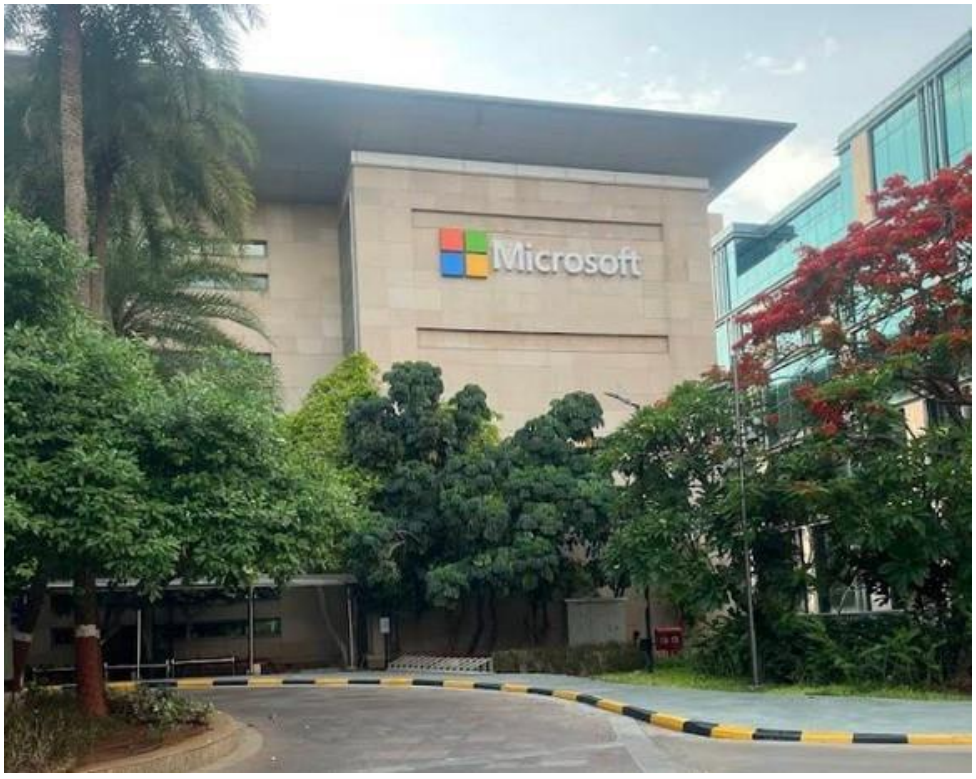
MALLA REDDY COLLEGE OF ENGINEERING
(Approved by AICTE,Permanently Affiliated to JNTUH)
Recognized under section 2(f)&12(B) of the UGC Act 1956

DEPT OF CSE-DS

(TRUE SUCCESS IS ALL ABOUT WORKING TOWARDS MEANINGFUL GOALS AND DREAMS)

AN EVENT
ON
“MICROSOFT OFFICE VISIT”
23rd AUGUST 2025@ 8:30 AM TO 2PM

PARTICIPANTS:
CSE-DS STUDENTS



MALLA REDDY COLLEGE OF ENGINEERING

COMPUTER SCIENCE & ENGINEERING (DATA SCIENCE)

MALLA REDDY COLLEGE OF ENGINEERING

(Approved by AICTE(New Delhi), Permanently Affiliated to JNTUH)
Recognised under Section 2(f) & 12(B) of the UGC Act 1956, An ISO 9001:2015 Certified Institution.

COMPUTER SCIENCE & ENGINEERING (DATASCIENCE)

ORGANIZES

INDUSTRIAL VISIT MICROSOFT

"Join us as we embark on a journey of collaboration, innovation, and shared knowledge — where open source is not just a tool, but a philosophy that unites and e mpowers."

23rd AUGUST 2025,8:30AM

VENUE:

MICROSOFT OFFICE, HYD

Prepared BY
A. Prasanth
Assit Prof cse(DS)

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

(ApprovedbyAICTE(NewDelhi),AffiliatedtoJNTUH &Accredited byNBA(CSE&ECE))
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Maisammaguda, Kompally, Dhulapally, Secunderabad – 500100

DEPARTMENT OF
COMPUTER SCIENCE AND ENGINEERING(DATA SCIENCE)

EVENT NAME : MICROSOFT FABRIX INSIDE
EVENT TYPE : WORKSHOP
PROPOSED DATE & TIME : 23rd August,8:30 AM
DURATION : 1 DAYS
VENUE : Microsoft office (Hyderabad campus Building-1)
EXPECTED AUDIENECE : STUDENTS OF 3rd YEAR CSD
FACULTY : CH.KUMARASWAMY

EVENT OBJECTIVES :

The primary objective of this Microsoft Fabric workshop is to introduce students to the next generation unified analytics 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-centric 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 analytics 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 :

The workshop will be an interactive and hands-on session 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 analytics 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 workflows, dashboards.

4. **Project Presentation & Experience :**

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

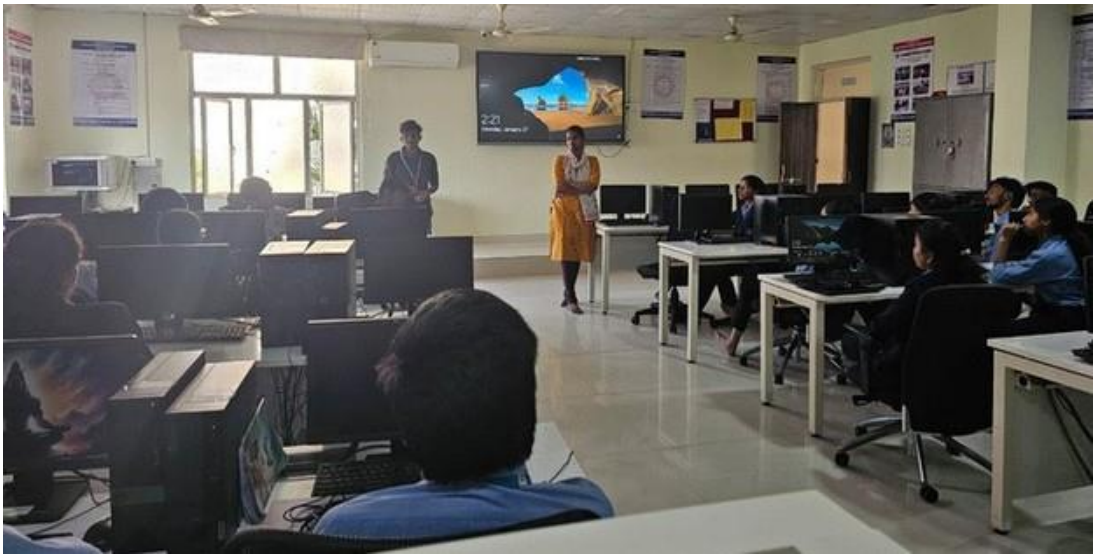
This workshop aims to empower students to explore the future of data analytics with Microsoft Fabric, understand enterprise-grade data workflows, and become industry-ready in cloud data and AI solutions.

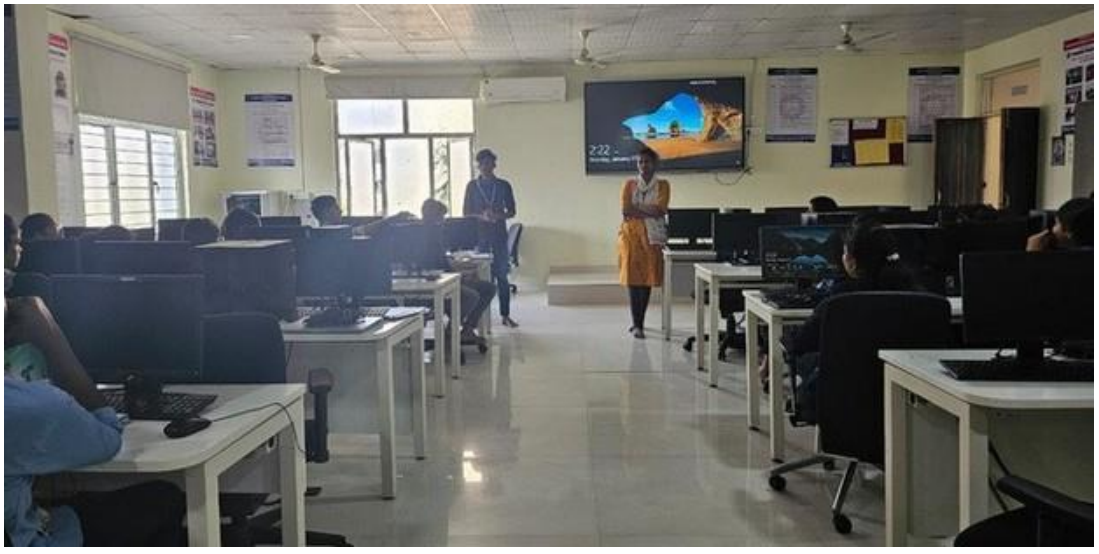
TARGET AUDIENCE & PARTICIPATION :

- **THE STUDENTS OF 3RD YEAR CSE DEPARTMENT CAN PARTICIPATE**
- **EXPECTED NUMBER OF PARTICIPANTS - 250+**

PREPARATION

The preparation for the Microsoft Fabric Inside Event began with a detailed briefing session led by the university coordinators. Anusha and Harish Reddy, the student coordinators, played a key role in planning and guiding all student participants. They clearly explained the event objectives, flow, and participation guidelines to ensure smooth execution. The coordinators emphasized discipline, punctuality, and active engagement during the sessions. A structured timeline was shared so that students could prepare themselves in advance. They 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. ANU and Harish stressed the importance of teamwork and professional behavior, reflecting the significance of the event. They 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

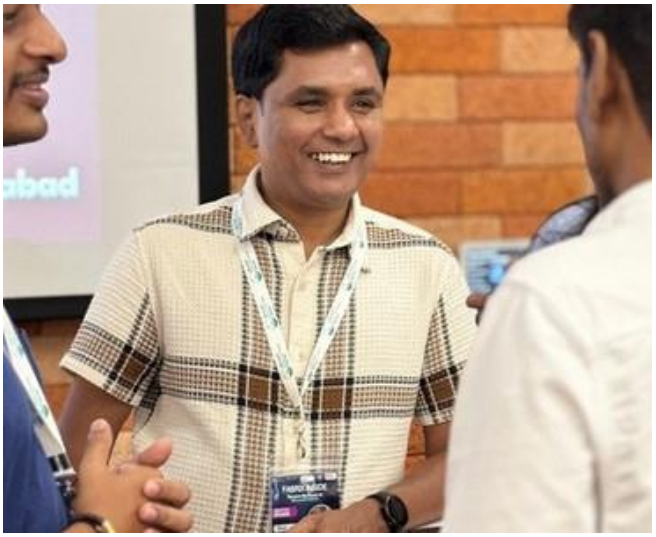
The Microsoft Fabric Inside Event began with a formal inauguration ceremony marked by enthusiasm and professionalism. The student coordinators, Anusha and Harish Reddy, along with resource persons, welcomed all participants and dignitaries. The event started with a brief introduction to Microsoft Fabric 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.

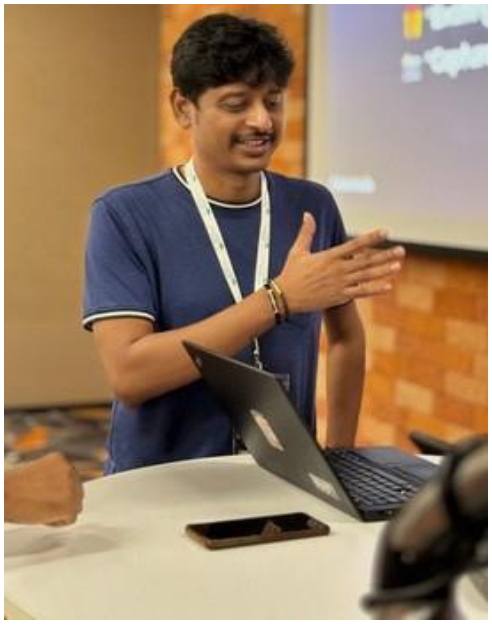
Speaker 1: Purushotham Chanda

The speaker, a technology leader from Microsoft specializing in Azure Data & AI, delivered an insightful session on Microsoft Fabric. With extensive experience in data engineering, cloud architecture, and enterprise analytics, he introduced Fabric as a unified data and analytics platform. He explained the lake-centric architecture that forms the core of Fabric and its ability to integrate diverse data workloads seamlessly. The session highlighted Fabric's end-to-end capabilities, including data ingestion, transformation, governance, and AI-driven insights. The speaker discussed real-world applications and enterprise strategies for building scalable data solutions. He emphasized the importance of security and governance within Fabric's environment. Practical scenarios and modern industry use-cases helped students understand the impact of unified data architecture. The talk offered strong clarity on Fabric's integration features and business-focused advantages. Overall, his session encouraged learners to explore



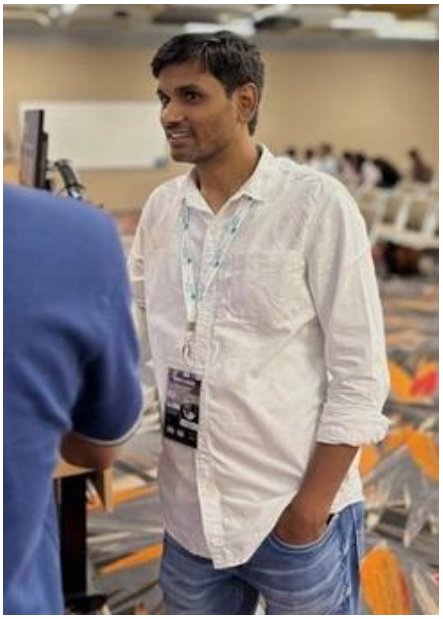
Speaker 2: Satya Addala

Th e second 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. Through interactive explanations and live examples, he made complex concepts easy to understand. The session inspired students to explore AI-driven automation tools within Fabric and motivated them to upskill in modern data intelligence. 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. By integrating Copilot prompts with custom AI models, he showed how organizations 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 3: Manish K

Another expert speak er, highly experienced in data engineering and cloud-scale architectures, delivered an informative session on scalable data processing in Microsoft Fabric. He introduced the audience to the powerful data engineering capabilities of Fabric and explained how it supports both batch and real-time data workloads. The session highlighted Fabric's unified approach to building pipelines using Data Factory, Spark, and lake-centric storage. He demonstrated how pipelines can be orchestrated efficiently for large- scale enterprise needs. The speaker explained the role of distributed processing, Delta Lake tables, and performance optimization techniques. Real-time streaming scenarios and event- driven pipelines were also covered in detail. Through practical demonstrations, he showed how Fabric simplifies data ingestion, transformation, and monitoring. His focus on scalability, reliability, and low-latency processing helped students understand modern data engineering demands. The session encouraged learners to explore Spark notebooks, Lake house concepts, and Fabric pipeline automation. His clear explanations, real-world examples, and technical depth added tremendous value to the workshop. Overall, the session strengthened participants' understanding of building robust end-to-end data pipelines in Microsoft Fabric.The speaker also emphasized how Fabric eliminates infrastructure complexity, allowing developers to focus purely on data workflows and innovation. He explained how auto scaling and unified compute help manage workloads efficiently, even as data volume grows. Students gained clarity on how Fabric supports both real-time streaming pipelines and scheduled batch processing in one platform. He encouraged participants to explore Fabric notebooks and pipeline monitoring tools for hands-on learning. The speaker concluded by highlighting career opportunities in data engineering and cloud platforms. His session motivated students to build expertise in scalable data solutions and modern data architectures.

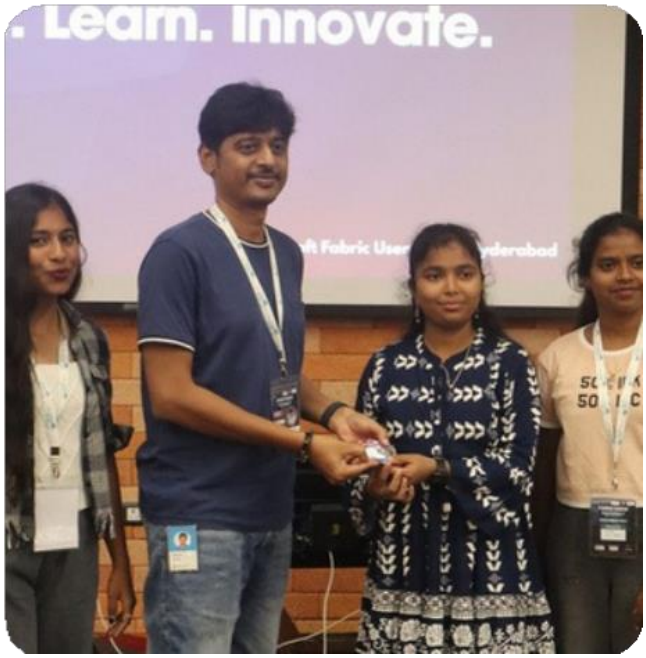


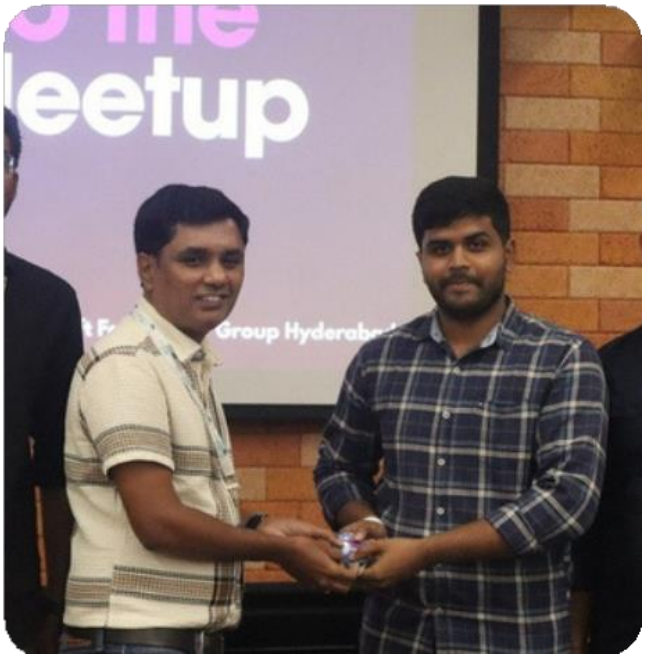
INTERACTION

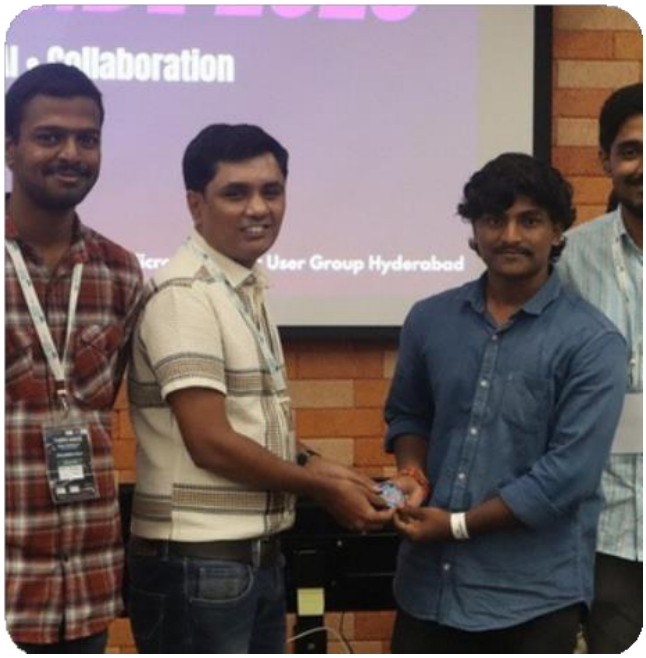
The interaction between students and the resource persons during the Microsoft Fabric workshop was highly productive and engaging. Students actively raised questions related to cloud data engineering, Fabric architecture, real-time analytics, and AI-powered workflows. The speakers patiently addressed each query with practical insights and examples, ensuring that every concept was clearly understood. Several students discussed career pathways in data engineering, analytics, and AI, receiving valuable guidance from industry experts. Hands-on doubts regarding Spark notebooks, Copilot prompts, and data pipelines were clarified in detail. The resource persons appreciated the curiosity and enthusiasm shown by the participants. This open communication created a collaborative learning atmosphere, boosting students' confidence and encouraging them to explore Microsoft Fabric further. The interaction not only clarified technical concepts but also provided motivation, industry exposure, and future-oriented learning direction.

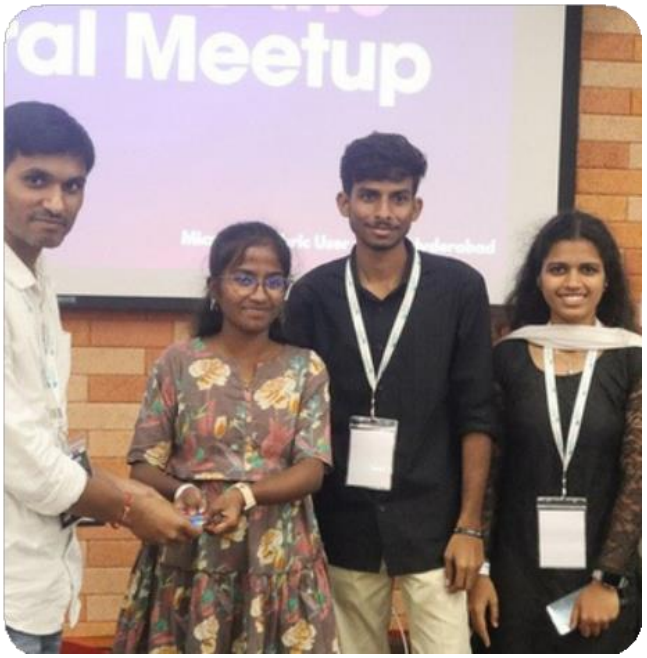
GOODIES

As a gesture of encouragement and appreciation, goodies were handed out to students who actively participated in the Microsoft Fabric workshop. These students consistently engaged in discussions, asked insightful questions, and contributed meaningfully throughout the sessions. The organizers and speakers recognized their enthusiasm and involvement as a sign of genuine learning interest. The distribution of goodies added a sense of excitement and motivation among the attendees. Students were delighted to receive merchandise and tokens from Microsoft, making the event even more memorable. This gesture encouraged others to participate more confidently in future workshops and technical activities. The recognition moment created a positive atmosphere and celebrated student efforts.



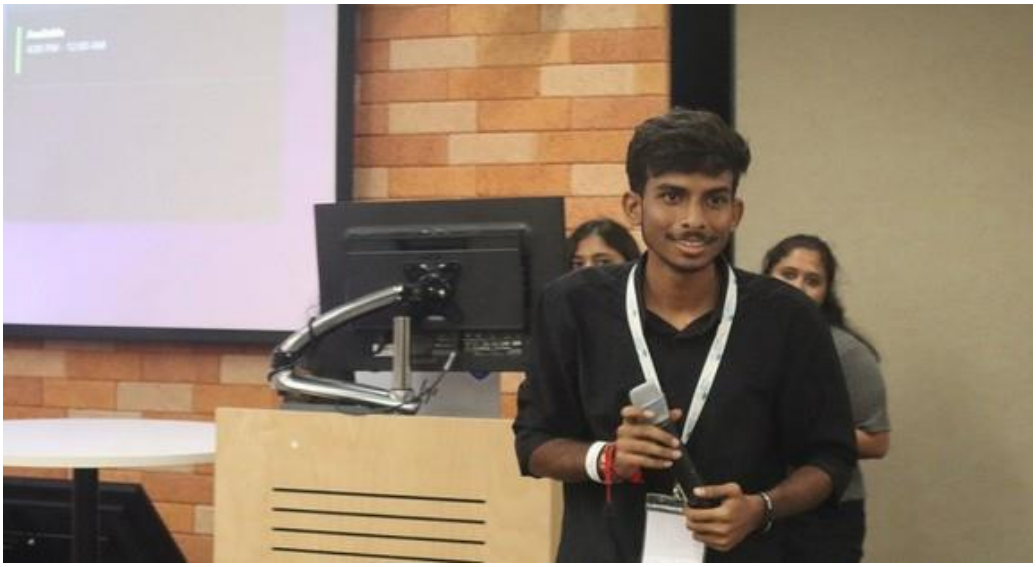






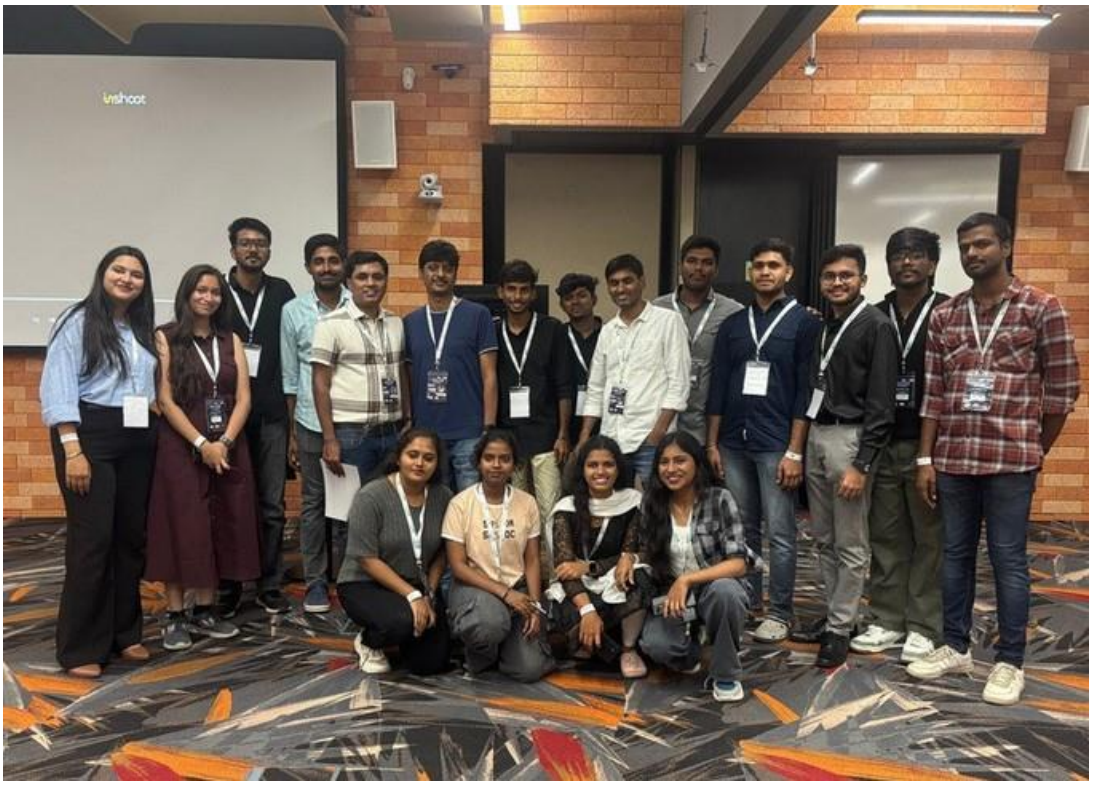
MFUGH HYDERABAD LAUNCH

The MFUGH initiative was officially launched by Harish Reddy,who also servesas the president of our department club. His leadership marked a proud moment for the department, symbolizing innovation and collaboration in the field of data and cloud technologies. During the launch, he spoke about the vision behind MFUGH and its goal to foster technical learning and industry readiness among students. He emphasized the importance of hands-on skill development, teamwork, and staying updated with emerging technologies like Microsoft Fabric. The launch ceremony received enthusiastic applause from faculty, students, and coordinators. Harish Reddy also expressed gratitude to the department management for supporting the initiative. He encouraged all students to actively participate in future MFUGH activities and workshops. The event marked a significant step towards building a strong tech-driven student community. The launch created excitement and inspired students to take part in technical innovation and leadership. Overall, the ceremony highlighted a new chapter of learning and growth for the department.



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.



REGISTRATIONS

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ORGANIZING TEAM :

PATRON:

Dr.Ashok Maram-Principal,MRCE

CONVENOR:

DR.J.Gladson Maria Britto

Head Of The Department (CSD)

CO-CONVENOR:

Mrs.K.Sravanthi - Asst.prof

Mr.CH.Kumara swamy-Asst.prof

FACULTY COORDINATORS:

Mrs.Bhagya Laksmi - Asst.Prof

Mrs.Neelima - Asst.Prof

Mrs.P.Lirina Radhakrishnan - Asst.Prof

STUDENT COORDINATORS:

Harish Reddy

Anusha

Abhiram

Vinith

Hemanth

Akhil

OUTCOME :

The event successfully provided students with hands-on experience in Microsoft Fabric, enhanced their understanding of data and AI technologies, and strengthened industry exposure through expert sessions and an office visit.

PO'S AND PSO'S MAPPED :

PSO1 is mapped to PO1, PO2, PO3, PO4, PO5, PO8, PO9, PO10, and PO11.
PSO2 is mapped to PO1, PO2, PO3, PO4, PO5, PO10, and PO11.

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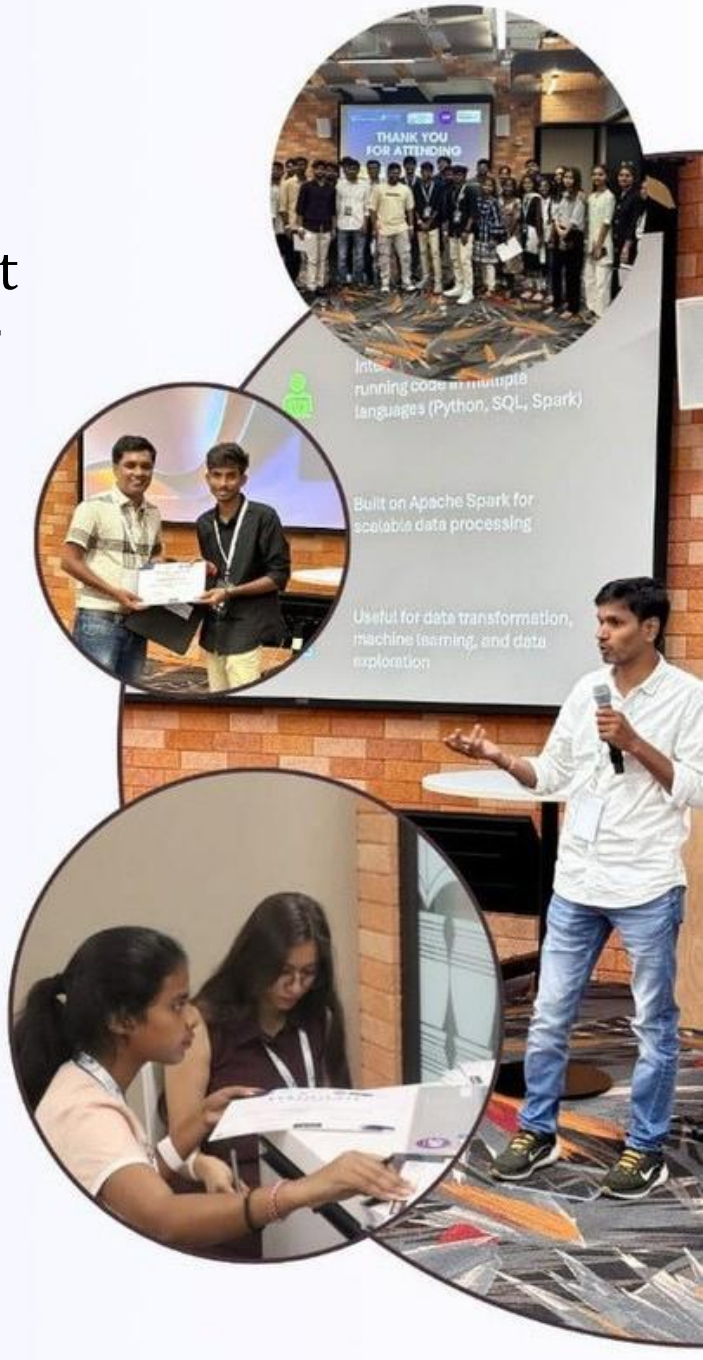
INDUSTRIAL VISIT

"MICROSOFT"

"Theadvance of technology is based on making it fit in so that you don't really even notice it, so it's part of everyday life." -Bill Gates



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