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

DATRIX LOOP REPORT

"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

24th SEPTEMBER 2025,1:30AM

VENUE:

DATRIX LOOP OFFICE

NIZAMPET,HYD

Prepared by
A Prashanth

HOD(CSE-DS)
Dr. J. Gladson Maria Britto

Principal
Dr. M. Ashok

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

VISION

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

PO1: Engineering Knowledge: Apply knowledge of mathematics, natural science, computing, engineering fundamentals and an engineering specialization as specified in WK1 to WK4 respectively till 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. (WK1 to WK4)

PO3: Design/Development of Solutions:Design creative solutions for complex engineering problems and design/develop ystems/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 solvingc omplex 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

COMPUTER SOCIETY OF INDIA
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Recognised under Section 2(f) & 12(B) of the UGC Act 1956, An ISO 9001:2015 Certified Institution
Maisammaguda, Kompally, Dhulapally, Secunderabad – 500100

DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING (DATA SCIENCE)

EVENT NAME : DATRIX LOOP INAUGARATION
EVENT TYPE : CEREMONY
PROPOSED DATE & TIME : 24th SEPTEMBER,10:30 AM
DURATION : 1 DAY
VENUE : DATRIX LOOP OFFICE, NIZAMPET
EXPECTED AUDIENECE : ALL HODS AND RESPECTED PRINCIPAL

EVENT OBJECTIVES :

Promoting startup culture is essential for encouraging innovation, creativity, and independent thinking among students. It helps individuals identify real-world problems and develop practical solutions through entrepreneurial mindsets. By fostering a supportive ecosystem, institutions can motivate young minds to explore new ideas and take calculated risks. Providing access to mentor ship, workshops, and incubation centers enables students to refine their concepts and transform them into viable ventures. Startup culture also encourages teamwork, leadership, and critical thinking skills that are valuable in any professional field. Through competitions, hackathons, and networking events, students gain exposure to industry trends and valuable connections. Financial support and guidance from experts further strengthen their confidence and capability to launch new initiatives. This culture also nurtures resilience, teaching students how to learn from failures and improve continuously. Moreover, promoting startups contributes to economic growth by creating job opportunities and technological advancements. Overall, cultivating a strong startup culture empowers students to become future innovators and leaders in society.

EVENT DESCRIPTION

Datrix Loop is an innovative student-led startup designed to support learners in preparing for interviews through structured mock tests. The platform offers a range of practice assessments that simulate real interview scenarios, helping students build confidence and improve their performance. By providing subject-specific and aptitude-based tests, Datrix Loop enables users to identify their strengths and areas for improvement. The startup also incorporates feedback-driven evaluation to guide students in enhancing their communication, problem-solving, and technical skills. With its user-friendly interface, the platform makes preparation accessible and efficient for students across various disciplines. Datrix Loop aims to bridge the gap between academic learning and industry expectations by offering practical, hands-on training. The initiative encourages continuous learning and self-assessment, which are essential for career readiness. Through its innovative approach, the startup fosters a culture of skill development and professional growth. Datrix Loop stands as an example of creative entrepreneurship within our campus, inspiring other students to pursue their own innovative ideas. Overall, the startup contributes significantly to improving students' employ ability and interview preparedness.

TARGET AUDIENCE & PARTICIPATION :

ALL HODS AND RESPECTED PRINCIPAL SIR OF MRCE

SESSION HIGHLIGHTS

The session began with a warm welcome and an overview of the event's objectives, setting a positive tone for the day. Key faculty members addressed the students, providing valuable insights into academic expectations and upcoming opportunities. A detailed explanation of the updated curriculum and assessment methods helped students gain clarity about their academic path. The introduction of the student-led startup, Datrix Loop, was a major highlight, showcasing innovation and entrepreneurship on campus. A live demonstration of the platform allowed students to understand how mock tests can improve interview readiness. Interactive discussions encouraged students to ask questions and share their thoughts openly. Motivational guidance from department heads inspired students to focus on skill development and holistic growth. The session also highlighted various support services available, including mentoring and placement assistance. Engaging multimedia presentations kept the audience attentive and involved throughout. Overall, the session was informative, inspiring, and well-received, leaving students equipped with confidence and direction for the year ahead.

ABOUT DATRIX LOOP

Datrix Loop is an innovative and forward-thinking startup created by our students with the aim of supporting peers in their journey toward successful interviews and career opportunities. Recognizing that many students struggle to gain confidence and experience before facing real placement or internship interviews, the founders of Datrix Loop developed a platform that provides structured, reliable, and interactive mock test experiences. The startup focuses on bridging the gap between academic knowledge and real-world expectations by offering a practical, hands-on approach to interview preparation.

One of the primary strengths of Datrix Loop is its diverse range of mock tests, which simulate actual interview environments. These tests cover technical subjects, aptitude skills, logical reasoning, and verbal ability—areas that are commonly evaluated across industries. By practicing through these modules, students become more familiar with the patterns, pressures, and pacing of real interviews. The platform's design emphasizes user-friendliness, ensuring that even first-time users can navigate the system easily and begin their preparation without any difficulty.

A unique feature of Datrix Loop is its feedback-driven evaluation system. After completing a mock test, students receive detailed insights into their performance, highlighting their strengths and identifying areas that require improvement. This personalized feedback motivates learners to refine their skills continuously and track their progress over time. Such constructive assessment not only boosts their confidence but also helps them approach actual interviews with a clear understanding of what to expect and how to excel.

Moreover, Datrix Loop encourages the development of essential soft skills, such as communication, problem-solving, and time management. The founders understand that interview success is not solely dependent on academic knowledge; it also requires the ability to think critically, express ideas clearly, and handle pressure with composure. Through its structured mock interview sessions and practice tests, the platform creates opportunities for students to strengthen these abilities and become more well-rounded candidates.

The inception of Datrix Loop reflects the spirit of entrepreneurship and innovation that is growing within our campus. The students behind the startup have not only applied their technical knowledge but have also showcased leadership, teamwork, and creativity in bringing this idea to life. Their initiative serves as an inspiration to other students, demonstrating that with dedication and purpose, meaningful solutions can be developed to address real challenges faced by the student community.

Overall, Datrix Loop stands as a remarkable example of student-driven innovation with a clear mission: to enhance employ ability by equipping students with the confidence and preparation needed for interviews. The platform has already gained attention for its practicality and impact, and it is expected to grow further as more students begin using it.

DATRIX LOGO INAGURATION

INTERACTION

During the session, the faculty initiated an engaging interaction with Chandu, the founder of Datrix Loop, to gain deeper insights into his startup. They began by asking him how the idea for the platform originated and what inspired him to work on interview preparation tools. Chandu explained the challenges students commonly face during placements and how Datrix Loop was designed to address those gaps. The faculty then asked detailed questions about the structure of the mock tests and the evaluation process used to assess students' performance. He elaborated on how the system provides personalized feedback and supports continuous improvement. The professors also showed curiosity about the technical development process, including the coding, design, and backend support behind the platform. They inquired about the user interface and how Chandu ensures that the platform remains simple and effective for students. Another area of discussion centered around the startup's growth plans, expected updates, and potential partnerships with departments. Chandu confidently shared his vision for expanding the tool with more advanced features and wider accessibility. Faculty members appreciated the clarity of his responses and the dedication reflected in his work. They encouraged him to keep innovating and offered guidance to further strengthen the project. The interaction created a positive atmosphere, allowing both faculty and students to understand the impact of Datrix Loop. Overall, the discussion highlighted a meaningful exchange of ideas and reinforced support for the startup's development. With our HOD'S and Principal sir Dr. M. ASHOK SIR.

PROMOTING START-UP CULTURE

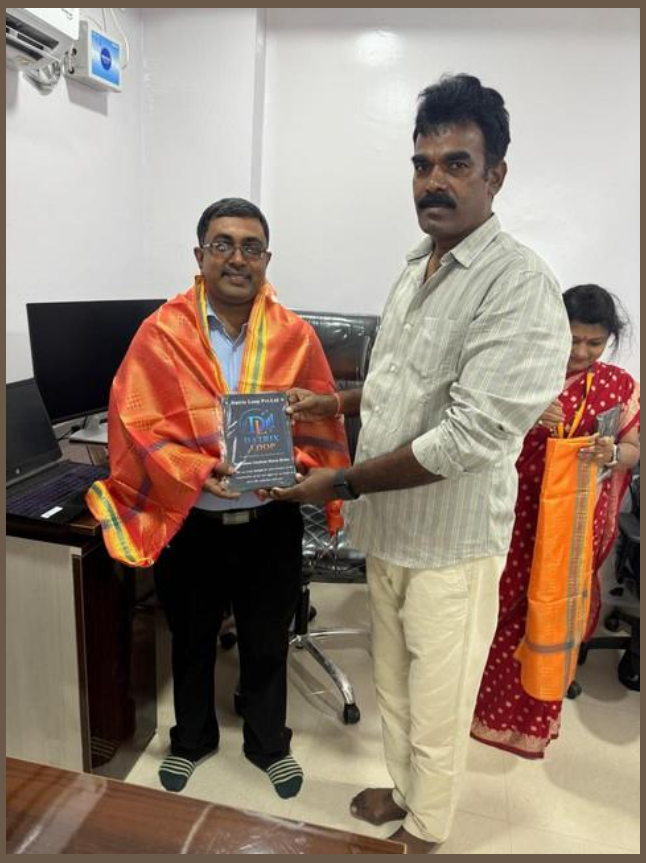
Promoting a strong startup culture within educational institutions has become essential in today's rapidly changing world, where innovation and creativity play a major role in shaping future careers. A vibrant startup ecosystem encourages students to think beyond traditional academic boundaries and explore ideas that can create real-world impact. By motivating learners to develop an entrepreneurial mindset, institutions help them understand how to identify problems, design practical solutions, and take the initiative to bring their ideas to life. This culture not only builds confidence but also nurtures critical thinking, risk-taking abilities, and leadership qualities among young innovators.

One of the key aspects of promoting startup culture is providing the right environment and support system for students. This includes access to mentors, incubation centers, workshops, and expert guidance. When students receive proper direction from experienced faculty and industry professionals, they gain the clarity and motivation needed to refine their ideas. Institutions that offer labs, funding opportunities, competitions, and networking events create platforms for students to experiment, collaborate, and learn from one another. Such exposure allows them to understand industry trends, technological advancements, and entrepreneurial challenges firsthand.

Encouraging entrepreneurship also bridges the gap between theoretical knowledge and practical skills. Through the development of startups, students learn essential skills such as teamwork, problem-solving, communication, time management, and strategic planning. These skills are crucial in any professional field and significantly improve employ ability. Moreover, startup activities allow students to take responsibility, work under pressure, and adapt to changing situations—qualities that are highly valued in today's competitive job market. The process of building a startup teaches students resilience, as they learn to face setbacks, accept feedback, and continue improving their ideas.

Promoting startup culture also contributes to the overall economic and social development of the community. When students are encouraged to innovate, they often create solutions that address local challenges and societal needs. Successful student-led startups can generate employment, introduce new technologies, and inspire future batches to pursue entrepreneurial paths. The presence of such startups on campus creates a positive chain reaction, motivating more students to think creatively and explore opportunities outside conventional career paths. This growing spirit of innovation forms a strong foundation for future leaders and change-makers.

Furthermore, showcasing successful student startups—such as Datrix Loop, created by Chandu—serves as a powerful example of what young minds can achieve with passion and perseverance. When students witness their peers turning ideas into impactful projects, it encourages them to believe in their own potential. Celebrating such achievements strengthens the startup culture and demonstrates the institution's commitment to nurturing talent.



CONCLUSION

In conclusion, the inauguration of the Datrix Loop startup marks a significant milestone in our institution's journey toward fostering innovation and entrepreneurial spirit. The gracious presence of our Principal and all the Heads of Departments added immense value to the ceremony, reflecting the strong support our college extends towards student-driven initiatives. This startup, built by our seniors, stands as a powerful inspiration for current and future batches, proving that great ideas can transform into impactful ventures when passion meets perseverance. Datrix Loop, with its focus on technology-driven mock tests, is set to bridge crucial learning gaps and offer students a smarter, more efficient way to prepare for competitive examinations. The thoughtful vision behind this platform highlights the founders' deep understanding of academic needs and industry expectations. The inauguration ceremony not only celebrated the launch of a tech-forward product but also reaffirmed our institution's commitment to nurturing real-world problem solvers. It was encouraging to witness such an enthusiastic atmosphere where faculty, students, and the startup team came together with a shared sense of pride. The event served as a reminder that innovation thrives when supported by a strong educational ecosystem. As Datrix Loop begins its journey, it symbolizes progress, creativity, and excellence emerging from our campus. We believe this initiative will grow into a benchmark for quality and reliability in the domain of mock test solutions. Ultimately, the launch stands as a testament to what our seniors have achieved and what our institution continues to empower. With such ventures paving the way, we look forward to many more achievements that uplift our academic community and inspire generations to come.

The inauguration of the Datrix Loop startup marked an important moment of pride and progress for our institution. The presence of our Principal and all the Heads of Departments added great significance to the event and reflected the strong support for student-led innovation. Built by our seniors, Datrix Loop stands as an inspiring example of how creative ideas can evolve into meaningful technological solutions. With its focus on tech-based mock tests, the startup aims to enhance students' learning experiences and better prepare them for competitive environments. The ceremony highlighted the dedication, hard work, and vision of the founders, who have created a platform with real academic value. It also reminded us of the culture of encouragement and innovation nurtured within our campus.

OUTCOME :

1. The event encouraged students to develop startup ideas and build their own innovative
companies.
2. Students gained awareness about entrepreneurship, innovation, and the importance of developing practical solutions.
3. The session inspired students through real examples like Datrix Loop, motivating them to Pursue creative projects.

Students understood how mock tests and skill-building platforms can improve their interview readiness and confidence.

PO'S AND PSO'S MAPPED :

Mapped POs: PO3, PO5, PO10, PO11
Mapped PSOs: PSO1, PSO2