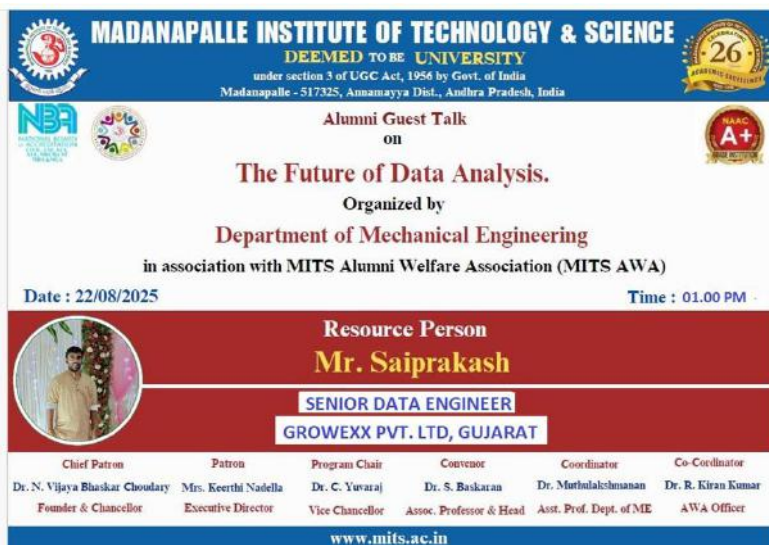


## **A Report on Alumni Guest Lecture on** **"The future of Data Analysis"** **Organized by Department of Mechanical Engineering** **in association with Alumni Welfare Association** **on 22.08.2025**



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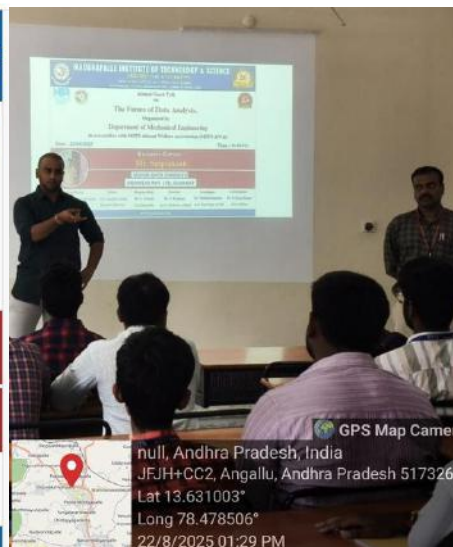
**Alumni Guest Talk**  
on  
**The Future of Data Analysis.**  
Organized by  
**Department of Mechanical Engineering**  
in association with MITS Alumni Welfare Association (MITS AWA)

Date : 22/08/2025 Time : 01.00 PM

**Resource Person**  
**Mr. Saiprakash**  
SENIOR DATA ENGINEER  
GROWEXX PVT. LTD, GUJARAT

Chief Patron	Patron	Program Chair	Convener	Coordinator	Co-Coordinator
Dr. N. Vijaya Bhaskar Choudary	Mrs. Keerthi Nadella	Dr. C. Yuvraj	Dr. S. Baskaran	Dr. Marimuthu Manan	Dr. R. Kiran Kumar
Founder & Chancellor	Executive Director	Vice Chancellor	Assoc. Professor & Head	Asst. Prof. Dept. of ME	AWA Officer

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**Report Submitted by: Dr. Muthu Lakshmanan, Assistant Professor, Department of Mechanical Engineering.**

**Resource person Details: Mr. Saiprakash, from the 2017–18 graduating batch, who is presently working as a Senior Data Engineer at Growexx Pvt. Ltd., Gujarat.**

**Mode of Conduct: Offline**

**Report Received on 29.08.2025**

**Venue & Time: KK Block - 009.**

### **1. Introduction:**

The Department of Mechanical Engineering organized an **Alumni Guest Talk** on 22nd August 2025 at KK BLOCK 009. The event was graced by our distinguished alumnus **Mr. Saiprakash**, from the 2017–18 graduating batch, who is presently working as a **Senior Data Engineer at Growexx Pvt. Ltd., Gujarat**.

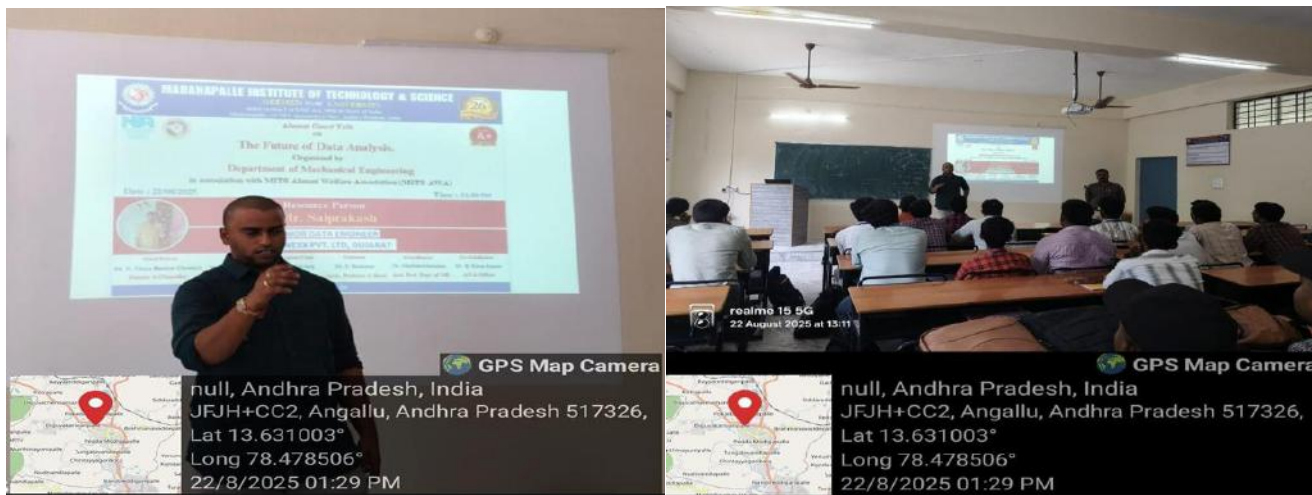
The lecture is focused on the title **"The future of data analysis"** and it is specifically designed for second-year Mechanical Engineering students to provide them with an understanding of data usage, data-driven decision making, and the growing importance of data analytics across industries.

The program was coordinated by Dr. Muthu Lakshmanan, who welcomed the speaker and gave a brief introduction of his academic background, achievements, and professional journey. The session concluded with words of appreciation by Dr. Kamalesh Kumar, who acknowledged the valuable insights shared by the alumnus.

### **2. Objective of the Guest Lecture:**

The primary objectives of the Alumni Guest Lecture were:

- To connect current students with alumni and learn from their professional experiences.
- To expose Mechanical Engineering students to the growing field of data usage and analytics.
- To highlight the relevance of data engineering in mechanical industries such as manufacturing, automotive, design optimization, and predictive maintenance.
- To inspire students by showcasing the career trajectory of a recent alumnus.



### 3. Proceedings of the Event:

#### Welcome Address & Introduction

Dr. Muthu Lakshmanan, the event coordinator, warmly welcomed the gathering and emphasized the importance of alumni interactions in bridging the gap between academic learning and industrial practices.

He introduced Mr. Saiprakash, highlighting his academic journey from the Department of Mechanical Engineering to his current role as a Data Engineer at Growexx Pvt. Ltd., Gujarat.

#### Keynote Lecture by Mr. Saiprakash

The talk was centered on the clarification of data usage and its implications in modern industries.

He explained how data is collected, processed, and applied to improve efficiency, reduce errors, and support innovation.

#### Topics covered included:

- Basics of data engineering and its role in industry.
- Examples of data usage in mechanical engineering (like predictive maintenance of machines, quality control in manufacturing, and optimization in supply chains).
- The importance of coding, database management, and analytics tools for engineers.
- Career opportunities in the data-driven economy for mechanical engineers.
- He also shared his personal journey of learning programming skills and transitioning into the field of data engineering while retaining the foundation of mechanical engineering principles.

#### 4. Interactive Session

Students actively participated by asking questions about career prospects, required skills, and practical applications of data analytics in mechanical industries. Mr. Saiprakash clarified the doubts with real-life case studies from his professional experience.

#### 5. Appreciation & Vote of Thanks

At the end of the session, Dr. Kamalesh Kumar appreciated the speaker for his valuable and informative talk. He expressed gratitude to Mr. Saiprakash for taking time from his professional commitments to inspire his juniors. The program concluded with a vote of thanks.

#### 6. Key Takeaways

The session left a deep impact on the students. Some of the key takeaways include:

- **Relevance of Data:** Even core engineering branches like Mechanical Engineering are increasingly integrating data science and analytics.
- **Career Opportunities:** Mechanical engineers can diversify into IT, data engineering, and AI-driven industries with the right skill set.
- **Skill Development:** Apart from mechanical knowledge, students must focus on learning programming languages, database management, and analytical tools.
- **Industry Insights:** Exposure to real-world case studies highlighted how industries rely on data for improving productivity, reducing downtime, and enhancing decision-making.

#### 7. Conclusion:

The Alumni Guest Lecture by Mr. Saiprakash proved to be highly insightful and motivational. His journey from a Mechanical Engineering graduate to a Data Engineer showcased the importance of adaptability and continuous learning.

The lecture not only broadened the students' understanding of data usage in engineering applications but also motivated them to explore interdisciplinary career paths. The event was a true success in strengthening alumni-student connections and guiding students toward emerging opportunities in the industry.

The Department of Mechanical Engineering sincerely thanks Mr. Saiprakash for his valuable contribution and looks forward to more such alumni interactions in the future.