



# MITS RADIO 90.8 MHz

## COMMUNITY RADIO STATION

MADANAPALLE INSTITUTE OF TECHNOLOGY & SCIENCE  
MADANAPALLE – 517325, ANDHRA PRADESH  
[www.mits.ac.in/radio-90](http://www.mits.ac.in/radio-90)



### Report on

*“Emerging Trends in Data Architecture and Industry Practices”*

03.02.2025 (Monday)



Coordinators: Dr. B. Rajesh Kumar, Program Coordinator, MITS Radio 90.8 CRS  
Dr. E. Aravindraj, Technical Coordinator, MITS Radio 90.8 CRS

MITS Community Radio 90.8 continues to act as a bridge between industry experts and students by providing a platform for knowledge sharing and career-oriented discussions. As part of this initiative, an expert interaction was conducted with **Mr. Tamimul Ansari** on **03/02/2025**, and the session was **interviewed by RJ Nithya**. Mr. Tamimul Ansari, a seasoned IT professional with over 15 years of industry experience, shared valuable insights on the role of data architects, task prioritization in professional environments, handling feedback, and emerging trends such as cloud computing, artificial intelligence, and IoT. The session was highly beneficial for students aspiring to build careers in data-driven technologies.

### **Profile of the Resource Person – Mr. Tamimul Ansari**

Mr. Tamimul Ansari is an experienced IT professional who has spent more than 15 years in the IT industry. His core interest lies in data ingestion, data architecture, and guiding students toward industry-relevant skills.

He strongly believes in equipping students with practical exposure to real-world data systems to enhance their employability and technical confidence.

## **Overview of the Interview Discussion**

### ***Role of a Data Architect***

Explaining the role of a data architect, Mr. Ansari stated that a data architect is responsible for:

- Designing and managing data systems
- Ensuring the **right data reaches the right person at the right time**
- Maintaining data accuracy, accessibility, and reliability

He emphasized that data architecture plays a crucial role in organizational decision-making and operational efficiency.

### ***Task Prioritization in Professional Life***

Addressing how to manage multiple responsibilities, Mr. Ansari explained an effective prioritization strategy:

- Classifying tasks into **Urgent** and **Important** based on priority and severity
- Focusing on **customer needs and stakeholder perspectives** while making decisions
- This approach helps professionals manage workloads efficiently and meet organizational expectations.

### ***Adapting to Feedback and Change***

Mr. Ansari discussed the importance of accepting and adapting to feedback. He explained that while stakeholders may appreciate project outcomes, client expectations can differ. Professionals must:

- Accept feedback positively
- Deliver solutions with the **right mindset and flexibility**
- Continuously improve based on stakeholder responses

### ***Recent Trends in Data Architecture***

The speaker highlighted several emerging trends shaping the field of data architecture:

- **Cloud Computing**, particularly platforms like **AWS**
- Following practices of **industry leaders such as Microsoft**
- Importance of professional certifications such as **Microsoft DP-202 and DP-500**

These trends indicate the growing demand for cloud-based and scalable data solutions.

### *Most Relevant and Emerging Technologies Today*

Mr. Ansari identified the most impactful technologies currently influencing the IT industry:

- **AI-driven data management**
- **Internet of Things (IoT)**
- **Sensor-based technologies**

He advised students to focus on these areas to remain relevant and competitive in the job market.

### **Conclusion**

The interview with **Mr. Tamimul Ansari** provided valuable insights into data architecture, emerging technologies, and professional best practices. The session successfully connected academic learning with industry realities and inspired students to pursue future-ready skills.

The program concluded with **RJ Nithya** expressing gratitude to the guest for his valuable insights. The presence of **Sri. M. Narasimhacharlu**, Program Manager, added institutional significance to the event. Overall, the program reaffirmed the role of MITS Community Radio 90.8 as a powerful platform for industry–academia interaction and student empowerment.

### **Outcomes of the Program**

- **Industry Awareness:** Students gained a clear understanding of the role and responsibilities of data architects and current expectations in the IT industry.
- **Career and Skill Orientation:** The session guided students toward essential technical skills, certifications, and professional attitudes required for data-driven careers.
- **Adaptability and Professional Mindset:** Learners understood the importance of prioritization, stakeholder focus, and adapting to feedback in real-world projects.

### **Alignment with United Nations Sustainable Development Goals (SDGs)**

The program aligns with the following Sustainable Development Goals:

- **SDG 4 – Quality Education:** Promotes technical education, industry exposure, and skill development in advanced IT domains.
- **SDG 8 – Decent Work and Economic Growth:** Enhances employability by guiding students toward in-demand technologies and professional certifications.
- **SDG 9 – Industry, Innovation and Infrastructure:** Encourages adoption of cloud computing, AI, and IoT, supporting innovation-driven infrastructure.
- **SDG 17 – Partnerships for the Goals:** Strengthens collaboration between industry experts and academic institutions through community radio engagement.