



Event Report On

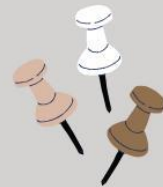
“Design of IoT Elements Using a Sophisticated IoT Platform”

25th January, 2025



Workshop on

DESIGN OF IOT ELEMENTS USING SOPHISTICATED IOT PLATFORM



Organized by IT department under ISTE student chapter



25-1-2025



9:00 AM to 4:30 PM



B003-3

REGISTER NOW



Coordinators :-

Prof. Sunayana Domadia,
Prof Tejal Tandel

Co-coordinators :-

Prof. Nitin patel

Expert Name: Dr. Miral Desai
Assistant Professor
(EC Department, CHARUSAT)



iste@mbit.edu.in



iste_mbit



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ISTE STUDENT CHAPTER

**MADHUBEN AND BHANUBHAI PATEL INSTITUTE OF
TECHNOLOGY**

**(A Constituent College Of CVM University), New Vallabh
Vidyanagar)**

"The future is automated, intelligent, and connected— thanks to IoT"

The IoT Workshop was conducted on 25th January, 2025 at MBIT to provide participants with insights into the design and implementation of IoT elements using advanced IoT platforms. The workshop aimed to enhance participants' technical knowledge and hands-on skills in IoT applications.

The workshop focused on the key elements of the Internet of Things (IoT) and their implementation using a sophisticated IoT platform. It provided participants with a comprehensive understanding of IoT technology, covering both theoretical concepts and practical applications.

Prof. Miral Desai is an Assistant Professor at CSPIT, Charusat University, and has over 10 years of experience in teaching and research. He is an expert in IoT, Machine Learning, Embedded Systems, and Robotics. He has a Ph.D. in Computer Vision and has worked on many exciting projects in these areas. He has published many research papers in top international journals and conferences. Some of their important work includes:

- Research on smart systems like IoT-based voting machines and attendance systems.
- Studies on using technology to improve smart grids and human pose estimation.
- Work on embedded systems and IoT protocols for real-world applications.

He have also delivered lectures and conducted workshops at top institutions, helping students and professionals learn new technologies.

The session began with an introduction to the fundamentals of IoT and its real-world applications, offering insights into how connected devices are transforming various industries. Participants were then given an overview of IoT hardware and software tools, helping them understand the essential components required to build IoT solutions.

A hands-on session allowed attendees to integrate and work with an IoT platform, providing valuable practical experience. Additionally, case studies and industry use cases were discussed, demonstrating how IoT is being leveraged across different sectors. The workshop concluded with an interactive Q&A and problem-solving session, where participants engaged in discussions and clarified their doubts.

By the end of the workshop, participants had gained a deeper understanding of IoT fundamentals, hands-on experience with IoT platforms, exposure to industry-relevant applications, and valuable guidance from an expert in the field.

The workshop was a valuable learning experience, providing both theoretical and practical insights into IoT systems. The expertise of Dr. Miral Desai helped participants grasp complex concepts easily. The event successfully enhanced the knowledge base of attendees, and positive feedback indicated a demand for similar advanced workshops in the future.

Glimpse of the day







Note of Thanks

We extend our heartfelt gratitude to Dr. Miral Desai for sharing valuable knowledge and expertise. Special thanks to the coordinators, Prof. Sunayana Domadia and Prof. Tejal Tandel, for their dedicated efforts in organizing the workshop. We also appreciate the contributions of Prof. Nitin Patel as the co-coordinator.

A sincere thank you to ISTE MBIT for their support, and to all the participants for their enthusiasm and engagement. This workshop would not have been a success without the collective efforts of the organizing team and the active participation of students and faculty members.