

**INDUSTRIAL VISIT REPORT**  
**ON**  
**INTERNET OF THINGS AND ARTIFICIAL INTELLIGENCE**



**MAHARAJA SURAJMAL INSTITUTE OF TECHNOLOGY**

**Department of Electronics and Communication Engineering**

Visit to  
**DUCAT – THE SCHOOL OF AI**  
**Janakpuri, Delhi**

Date: 12<sup>th</sup> NOV 2025

## INTRODUCTION



The students of the Electronics and Communication Engineering (ECE-1 5<sup>th</sup> Sem) department of MSIT went on an industrial visit to **DUCAT – The School of AI**. The visit was organized to give us a practical idea about how **Internet of Things (IoT)** and **Artificial Intelligence (AI)** are used in real-life applications.

At DUCAT, we got to see how these technologies are implemented in the industry and how they are helping to build smart systems. It was a great opportunity to learn outside our regular classroom environment.

### About DUCAT

DUCAT is a well-known IT training institute that provides courses and workshops on modern technologies like AI, Machine Learning, Cloud Computing, IoT, and more. The trainers there have a lot of industry experience and explained everything in a very simple and interesting way.



### Session on Internet of Things and Artificial Intelligence

The technical session started with an introduction to IoT devices, sensors, and microcontrollers. We learned how IoT helps in connecting devices and sharing data through the internet. The trainer also showed us some practical setups using IoT kits and explained how data is collected and processed.

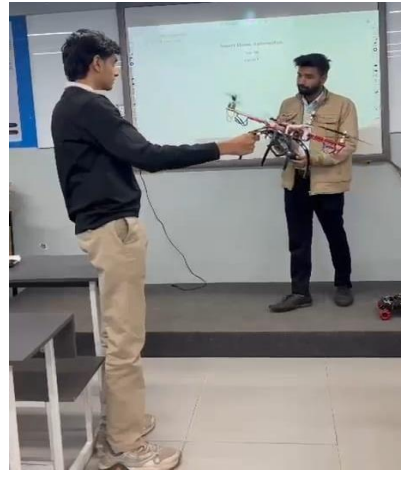
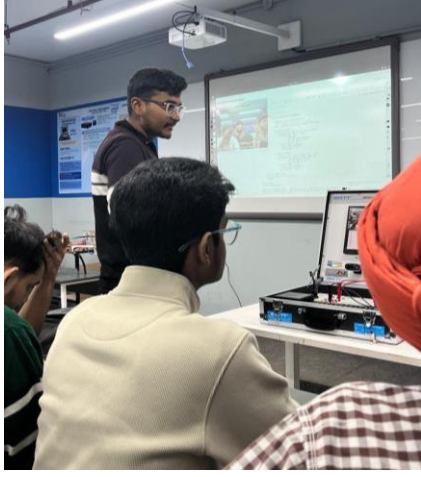


Later, we learned about **Artificial Intelligence (AI)** and its applications. The trainer gave us a live demo of **image processing using Python**, where a program could detect objects using a camera. It was very interesting to see how AI can be used with IoT to make systems smarter and more efficient.

### Learning Experience

Throughout the session, the trainers encouraged us to ask questions and participate. We discussed many real-life applications such as smart homes, health monitoring devices, and automatic traffic systems.

We also learned about the career opportunities available in the fields of AI and IoT, and how these technologies are becoming a big part of the electronics industry.



## Conclusion

The industrial visit to **DUCAT – The School of AI** was a really great experience for all of us. We got to see how the concepts we study in college are actually used in real-world projects.

It helped us understand how important IoT and AI are in today's world, and motivated us to learn more about these technologies. We are thankful to our faculty and the trainers at DUCAT for organizing such an informative and enjoyable session.



**Dr. Aman K. Dahiya**  
**Industrial Visit Incharge**

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