

Maharaja Surajmal Institute of Technology, New Delhi-110058

Department of Information Technology

Industrial Visit Report

Industry Name and Address	Ducat, Pitampura
Name of the Expert	Mr. Udit Pawar, Data Science Trainer at DUCAT
Date and Time	21-10-2024, 10:00 AM - 2:00 PM
Target Audience	IT Department, 5th & 3rd Semester
Organized by	Mr.Parveen Kumar, Dr. Preeti Sehrawat
Attended Participants	52/60 (87%)

An industrial visit was organized as part of the academic curriculum of 5th and 3rd Semester, IT Department students on **21st October, 2024** under the guidance of **Mr. Parveen Kumar and Dr. Preeti Sehrawat**, Assistant Professors, IT Department, MSIT.

52 students went to ‘**DUCAT, Pitampura**’ along with 2 faculty members in an AC bus. The visit aimed to provide insights into the world of data Science, Machine learning, AI, and many emerging technology that supports are required for future. The experience was both informative and inspiring, giving us a detailed understanding of how startups grow towards techy future.



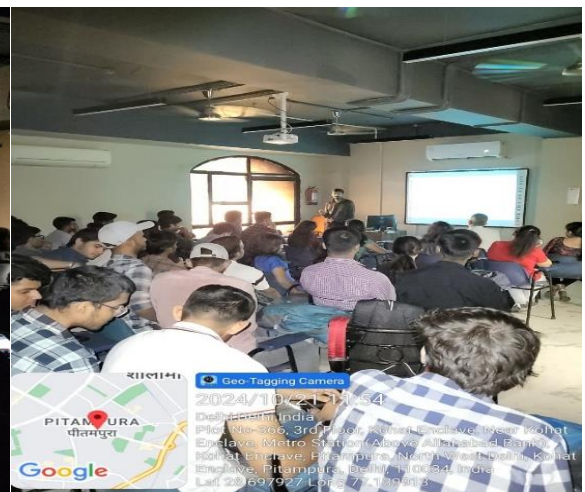
The visit began with a detailed presentation conducted by a Senior Trainer at Ducat, in the training hall. He discussed the latest developments in programming languages, including Python, Java, and web development frameworks. The session emphasized the importance of continuous learning and adapting to evolving technology trends.

Trainer have highlighted the following key areas:

- **Programming Languages:** The session began with an introduction to widely-used programming languages such as Python, Java, C#, and JavaScript. They discussed the

evolving trends in these languages, including their applications in software development, automation, and data analysis.

- **Web Development:** Insights were provided on front-end and back-end web development, focusing on modern frameworks like React, Angular, and Node.js. The trainer highlighted the importance of full-stack development skills in today's job market.
- **Software Testing:** We discussed the role of software testing in the software development life cycle, explaining the differences between manual and automated testing. Tools like Selenium and JUnit were introduced as examples of testing frameworks used in the industry.
- **Machine Learning and AI:** The session also touched upon machine learning and artificial intelligence, where the trainer explained basic algorithms and real-world applications, such as predictive analytics, image recognition, and natural language processing. He encouraged students to explore AI and machine learning as promising fields for future career growth.



Live Coding Demonstration

One of the highlights of the visit was the live coding demonstration conducted by Mr. Sharma. He demonstrated problem-solving techniques using Python, showing how to approach algorithmic challenges, optimize code, and debug effectively. This hands-on activity gave students an understanding of how theoretical concepts are applied in practical scenarios, highlighting the importance of logical thinking and coding skills in software development.

Interactive Q&A Session

An interactive Q&A session followed the tour, where students engaged with Mr. Sharma and the Ducat faculty. They asked questions related to:

- **Career Opportunities:** Discussing various career paths in programming, web development, data science, and software testing.
- **Certifications:** Understanding the value of professional certifications in enhancing job prospects.
- **Technological Trends:** Learning about emerging trends in the IT industry, including cloud computing, blockchain, and cybersecurity.

They provided insightful answers, encouraging students to pursue continuous learning and stay updated with technological advancements.

After the tour, we were invited to a well-organized refreshment session with proper seating. This provided us an opportunity to network, interact with the faculty, and discuss emerging tech in a more informal setting.

The industrial visit to Ducat, Pitampura, proved to be highly beneficial for the students. It offered valuable exposure to industry practices, bridging the gap between theoretical knowledge gained in the classroom and practical skills required in the IT industry. The combination of expert-led presentations, hands-on demonstrations, facility tours, and interactive discussions made this visit an impactful learning experience. Students left with enhanced motivation to explore advanced IT topics and were inspired to take proactive steps toward building their careers.





We extend our gratitude to the team at DUCAT and HOD of IT Department, Prof. Prabhjot Kaur for organizing such an insightful and valuable industrial visit.

Ms. Mamta Gahlyan
Proctor, IT-2 (5th Sem)

Dr. Preeti Sehrawat
Proctor, IT-2 (3rd Sem)