

Report of Industry Visit for the 6th semester students of Computer Science and Engineering (Data Science)

The Department of Computer Science and Engineering (Data Science) has organized a 1-day Industry visit for the 6th Semester students, which was scheduled on 12th April, 2024. The students visited Euphoria GenX, an IT Company having its office at Salt Lake, Sector V. We started our visit from our Institute Campus at 9.45 am and we reached our destination at 11.15 am.



In total 40 students were selected for the visit, out of which 37 students actually visited the company. Mr. Sabyasachi Saha, CEO, of the company delivered a presentation to our students.

Lecture 1: Cloud Computing platforms and its practical implementation in Industry.



In addition to this he also discusses about Amazon EC2, and how to create an instance, selecting location and existing security group, and how to launch the website.

- He also focusses on Node JS project and demonstrated among the students how to open or close a specific port, discussed about trespassers/hackers and how they try to hack your website.
- How to launch an Instance using SSH, terminal access and which Webserver to use and installing Nginx, it's a web server that can also be used as a reverse proxy, load balancer, mail proxy and HTTP cache.
- He also discusses about codebase in AWS, how to access tokens, NPN Install, index and packages. In addition to this he also discusses problem statement relevant to industry prospect, how to write code in local machine, pushing the same into the GITHUB repository, and then finally putting it to the Sever machine.
- In addition to this he also focusses on Amazon S3, how to create a bucket, how to create policies, and how latency related issues can be solved.
- He also focusses on RDS i.e. databases that can be used like Mongo DB – Atlas, and Oracle databases. In addition to this he also shown practical implementation using ML services

Lecture 2: Cyber Security

Mr. Subhajit Mitra, who is an expert in Cyber Security discussed with the students about understanding the threat from hackers, its adversaries, and implementation of company policy related to company security. He also discusses about National security threats, and the software security to be strongest level. In addition to this he also focuses on its effects on Business, in particular loss of millions of dollars. It may be in form of malicious links, viruses, organized criminal gangs, cyber terrorists, hacktivists and definitely insiders in the organization. Additionally, he focuses on SQL Injection, and how to access the admin panel of the databases, which may lead to unauthorized access of data, and may lead to selling the confidential data for their benefits. He also shows practically how to run a query on server side, and also discuss about Para Linux or Kali Linux.

Students were asked by the company to fill the feedback form, and their responses has been recorded.



A group photograph was taken in front of the office building, which will remain in the memory of students as well as teachers present as mentors.



Food packets and water bottles was distributed to students, faculty members as well as driver dada of our institute bus. Finally, we returned back to our Institute premises at 3.30 pm.

Prof. S. S. Thakur, Teacher In-charge CSE (Data Science) thanks Chairman Sir, MCKV group and Principal Sir, Prof. Abhijit Lahiri for giving us the permission for organizing the Industry visit, and approval for required funds and definitely Institute bus for the visit. He also thanks MCKVIE administration for continuous cooperation in this regard. Finally thanks again for your guidance, and hope that we will organize similar activities for our students in near future.



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