

REPORT ON ORIENTATION TALK FOR CSE(2S)

3RD SEM STUDENTS

Date: 21/August/2024

Venue: Room No. 406

On 21 August 2024, the Computer Science and Engineering (CSE 2nd Shift) department of Maharaja Surajmal Institute of Technology organized an orientation session for the newly admitted B.Tech students of 2nd year. The event was held in the college seminar hall and was attended by students, faculty members and administrative staff. The orientation was presented by Dr. Nishtha Jatana, the Head of the Department of CSE 2nd shift. The event marked the beginning of an exciting academic journey for the new batch of students of second year and was designed to provide them with an overview of the department, the curriculum, and various opportunities available to them with list of companies.

The orientation further proceeded by curriculum-based activities. These activities are designed to provide practical experience and enhance the overall educational experience of the students. They are required to participate in National Service Scheme (NSS) activities from the 3rd to the 5th semester. These activities are aimed at fostering a spirit of community service and social responsibility among students. Each student must complete 15 hours of NSS activities per semester. At the end of the 5th semester, these activities will be evaluated in the 6th semester by respective mentors. To receive credit (2 credits), students must submit certificates as proof of their participation to their respective proctors.

Students are expected to undergo summer training after the completion of their 4th semester. This training, lasting 4-6 weeks, provides an opportunity to gain practical industry experience and apply theoretical knowledge. The training will be evaluated in the 5th semester, and successful completion will earn the student 1 credit. After the 6th semester, students are required to participate in another round of summer training or internships, which also spans 4-6 weeks and evaluated at the end of the 7th semester and earn credit 3.

In 7th semester students will be engaged in a minor project under the guidance of their mentors, which is a 4-month-long activity, and the project will be evaluated at the end of the 7th semester, and successful completion will earn students 3 credits.

The 8th semester includes a Major Project or Internship, lasting for 4-6 months. At the end of the 8th semester, this project will be thoroughly evaluated, contributing a substantial 20 credits to the student's final grade.

During orientation there were several key recommendations were provided to help students prepare for successful careers and excel in the placement process, which typically begins at the end of July. Companies like ION, ZS, Veersa, RTDS, and Appligate AI are among the top recruiters looking for highly talented students. It was emphasized to focus on core jobs rather than developing a website. Study AI/ml more, as industry demands more data analyst roles.

Students were addressed to academic and participation guidelines and encouraged to actively participate in all placement activities and maintain a high academic standard, with a CGPA of 8.5 and above. It is also important for students to maintain good attendance, especially during the 2nd and 3rd years, as this reflects their commitment and discipline. It was also stated Rather than pursuing paid internships exclusively, students are advised to engage in hackathons and competitive programming along with understanding and preparation for core subjects, which include Database Management Systems (DBMS), Data Structures and Algorithms (DSA), Operating Systems (OS), Object-Oriented Programming Systems (OOPS), C++, JAVA, and logical and quantitative aptitude.

It was discussed that the students admitted in first year must achieve of a minimum of 180 credits out of 200 to be available for the degree and for students admitted in lateral entry have to achieve a minimum of 135 credits out of 150 credits to be available for the degree.

While moving forward in the orientation, students were told about the options available in computer science as per the new scheme. Students were told about the four types of degree options they can get which are:

1. B Tech Degree

This is the typical undergraduate degree in Computer Science, focusing on foundational and core topics such as programming, algorithms, data structures, operating systems, computer networks, and databases.

2. B Tech with minor specialization (AI/AIML)

In addition to the core Computer Science curriculum, students complete a series of courses in a secondary field or specialization. This minor allows students to gain additional skills in a complementary area without committing to a full double major and these specializations will be worth 20 credits.

3. B Tech with honors

An honours degree typically involves a more rigorous academic program than the standard degree. Students can also gain credits (20 credits) by studying subjects from SWAYAM excluding the core subjects taught in the university.

4. B Tech with minor specialization (Honours)

This degree combines the benefits of both a minor specialization and an honours program. Students follow a rigorous curriculum that includes a minor in a secondary field and advanced, research-oriented coursework in Computer Science.

