

Report on Seminar “BTech Roadmap: Comprehensive information and exploring New Scheme options for Second Year Students”

The department of CSE organized a seminar on topic “BTech Roadmap: Comprehensive information and exploring New Scheme options” for CSE,3rd Semester Students on 21 August 2024 from 11 a.m. to 12 noon in Room No 406 . The seminar was attended by 148 students of CSE,3rd Semester Students. The seminar was delivered by Dr. Geetika Dhand, HOD, CSE department. She had provided an extensive overview of the updated curriculum, placement strategies, and credit system affecting B. Tech students. Dr. Geetika, the Head of the CSE Department, led the session, emphasizing its importance for students' academic and professional futures.



Curriculum and Academic Structure

Dr. Geetika introduced the new curriculum framework, which includes four specialization pathways within the B. Tech CSE program. Students must select one pathway by the end of the 5th semester, which will influence their academic and career trajectory. The seminar covered essential aspects such as NSS credits, which contribute to holistic development, and the critical role of attendance in academic assessments. Dr. Geetika highlighted the transition from the foundational first year to the specialized second year, underlining the importance of subjects introduced from the second year onward for placement interviews.

Attendance and Mentorship

The seminar stressed the importance of maintaining a minimum of 75% attendance, as mandated by Guru Gobind Singh Indraprastha University (GGSIU). Dr. Geetika introduced the mentorship system, where each mentor supports a group of 20 students throughout their B. Tech program. Mentors will monitor attendance, academic progress, and provide guidance. Regular mentor meetings will address any academic or personal issues students may face, emphasizing the proactive approach to maintaining student engagement and success.

NSS and Technical Activities

Dr. Geetika discussed the significance of engaging in National Service Scheme (NSS) activities and technical clubs. NSS participation is evaluated in the 6th semester based on certificates for a minimum of 15 hours of service per semester, contributing to the final marks. Technical activities, such as tech fairs and workshops, also play a crucial role. Certificates from these activities should be submitted to mentors, as they impact academic evaluation and provide valuable experience for future careers.

Summer Training and Projects

Summer training and project work were highlighted as essential components of the B. Tech program. Students are required to complete two summer training sessions: one after the second year and another after the sixth semester. Each session carries 1 credit and provides practical industry exposure. Additionally, students must complete a minor project in the 7th semester and can choose between a major project or an additional internship in the final year. These components are crucial for academic progression and career preparation.

Placement Preparation

Dr. Geetika outlined key elements of placement preparation. Maintaining high attendance and starting preparation early are vital. Core subjects like Data Structures and Object-Oriented Programming should be prioritized. Companies have varied selection criteria, with some focusing on academic performance rather than Hackathon participation. Dr. Geetika advised students to build a strong foundation in core subjects and participate in relevant activities to enhance their placement prospects.

Specialization Options and Credit Requirements

The new academic scheme offers four specialization options for students:

1. **B. Tech Degree**
 - **Credits Required:** 180 credits.
 - **Course Requirements:** Complete five subjects from either Emerging Area Electives (EAE) or Open Area Electives (OAE) groups. SWAYAM courses are not included.
2. **B. Tech with Minor Specialization**
 - **Credits Required:** 180 credits plus an additional 20 credits from a minor specialization group.
 - **Minor Specialization Groups:** Students can choose from 14 predefined groups, such as Artificial Intelligence (AI) or AI & Machine Learning (ML). SWAYAM courses are not included.
3. **B. Tech with Honors**
 - **Credits Required:** 200 credits, including 180 for the degree and 20 from SWAYAM courses.
 - **CGPA Requirement:** Minimum CGPA of 7.5.
 - **SWAYAM Courses:** Must be approved by the Academic Program Committee (APCT).
4. **B. Tech with Minor Specialization and Honors**
 - **Credits Required:** 200 credits, combining 180 for the degree and 20 from a minor specialization and SWAYAM courses.
 - **CGPA Requirement:** Minimum CGPA of 7.5.
 - **Specialization:** Complete five subjects within the chosen minor specialization group.

In the 5th semester, students will receive a Google Form to select their specialization. This decision will impact their academic trajectory and the type of degree awarded.

The seminar provided valuable insights into the updated curriculum, placement dynamics, and credit system. Dr. Geetika's explanations of the new academic scheme and placement preparation strategies offer a comprehensive guide for navigating the B. Tech program. Dr. Kavita Sheoran, Dr. Shaily Malik's insights into the 2024 placement scenario emphasized the importance of overall academic performance and skill development over event-specific achievements. By understanding and applying these insights, students can effectively manage their academic journey and enhance their career opportunities.