

Maharaja Surajmal Institute of Technology, New Delhi-110058

Department of Information Technology

Seminar Report

<u>S.no.</u>	<u>Index</u>	
1	Topic Name	Seminar on “Types of B.Tech under New Education Scheme at Maharaja Surajmal Institute of Technology”
2	Name of the Expert	Dr. Bharti Sharma
3	Type of Activity	Seminar
4	Mode, Date and Time	Offline, Thursday, 6 th February 2025, 12:00 pm to 2:00 pm
5	Target Audience	IT students
6	Organized by	Department of IT 2 nd shift
7	Attended Participants	IT-4 th Semester, Present (50)
8	Venue	Maharaja Surajmal Institute of Technology(Room 507)

Date: 6th February 2025

Venue: Room 507, Maharaja Surajmal Institute of Technology

Report on the Seminar Conducted by Dr. Bharti Sharma on February 6, 2025

Introduction On February 6, 2025, Dr. Bharti Sharma conducted an informative seminar on the four types of B.Tech programs available under the new education scheme. The seminar provided valuable insights into the structure, opportunities, and academic rigor associated with each type of B.Tech program, helping students make informed decisions regarding their academic paths. The event was attended by a large number of students, faculty members, and academic advisors, all eager to understand the nuances of the revised curriculum.

Overview of the New B.Tech Education Scheme The seminar commenced with an explanation of the fundamental aspects of the new B.Tech education scheme. Dr. Sharma emphasized its significance in the rapidly evolving academic and professional landscape. Key aspects discussed included the current credit system, the concept of Open Area Electives/Emerging Area Electives (OAE/EAE), and the various ways students can fulfill the required credits. She underscored the importance of making well-informed academic choices aligned with industry trends and career aspirations. Additionally, she highlighted how the revised scheme aligns with global educational standards, providing students with better opportunities for higher education and employment, both domestically and internationally.

Types of B.Tech Programs Dr. Sharma introduced the four types of B.Tech programs available under the new scheme, detailing their unique structures and benefits:

1. **B.Tech (General)**
2. **B.Tech with Specialization**
3. **B.Tech with Honours**
4. **B.Tech with Specialization and Honours**

B.Tech (General) The traditional B.Tech program, also referred to as B.Tech (General), remains unchanged in its structure. This program follows the conventional engineering curriculum without any additional specialization or honours requirements. It is designed for students who prefer a broad and foundational education in their chosen engineering discipline without committing to a particular niche.

B.Tech with Specialization Dr. Sharma highlighted the growing demand for expertise in Artificial Intelligence (AI) and Machine Learning (ML). She introduced the option of pursuing a B.Tech degree with specialization in AI/ML, emphasizing the importance of acquiring specialized skills in emerging technologies to remain competitive in the job market. Other specializations available under this scheme include Cybersecurity, Data Science, Internet of Things (IoT), and Renewable Energy. These specializations are designed to meet the growing needs of various industries and provide students with a competitive edge in their careers.

B.Tech with Honours The Honours program provides students with the flexibility to choose their own OAE/EAE from a list of courses offered by platforms such as Massive Open Online Courses (MOOCs) and NPTEL. Dr. Sharma stressed the additional academic rigor required for this program and highlighted its advantage in allowing students to explore courses beyond those offered by their institute. She explained that students pursuing the honours program will have to complete additional coursework, research projects, or internships to fulfill the honours requirements. The program is designed for academically inclined students who wish to delve deeper into specific subjects and engage in advanced research.

B.Tech with Specialization and Honours This program allows students to pursue both specialization and honours simultaneously. It offers a comprehensive learning experience, catering to students with a strong inclination towards both domain-specific expertise and interdisciplinary academic pursuits. This dual-option program provides students with enhanced academic exposure, making them more attractive to prospective employers and graduate schools. Dr. Sharma noted that while this program offers extensive learning opportunities, it also demands significant dedication and effort from students to manage both specialized coursework and honours requirements.

Key Takeaways and Student Engagement Throughout the seminar, Dr. Sharma provided in-depth explanations of each program, ensuring students had a thorough understanding of the structure, advantages, and challenges associated with each option. She emphasized the need for students to align their academic choices with their career goals and the prevailing industry trends. She also discussed the long-term benefits of selecting the right program, including enhanced job prospects, potential for innovation, and opportunities for higher education.

Following the presentation, an interactive doubt-clearing session was conducted. Students actively participated, discussing their concerns and seeking clarifications on various aspects of the new education scheme. Faculty members and academic advisors also contributed by sharing their insights and addressing students' queries. Many students expressed enthusiasm about the flexibility and opportunities provided by the new scheme, while some raised concerns regarding the additional workload and the feasibility of managing specialization and honours simultaneously.

Conclusion The seminar concluded on a positive note, with Dr. Sharma encouraging students to carefully evaluate their interests, strengths, and career aspirations before selecting a program. She reassured students that faculty members and academic advisors would be available to provide guidance and support throughout their academic journey. The session served as an essential platform for students to gain insights into the new education scheme and make well-informed decisions about their academic and professional journeys.

The event was highly successful, providing students with clarity and confidence regarding their future academic pursuits. The institution plans to organize similar sessions in the future to keep students updated on evolving academic policies and emerging career trends. Overall, the seminar played a crucial role in shaping students' understanding of the new B.Tech education scheme and empowering them to make decisions that align with their aspirations and industry demands.



Dr. Bharti Sharma
Coordinator

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Associate Professor