Delhi Skill and Entrepreneurship University

B.Tech.
(Computer Science Engineering)

Syllabus Document

Effective from Academic Year 2021-22

Program Information

Introduction

Delhi Skill and Entrepreneurship University offers a four-year Bachelor's Degree Program in Technology (Computer Science and Engineering). The program allows students to train in a promising and job creating sector. The students will acquire a wide range of skills such as – understand the technical and functional environment of Computer Science related domain; understand emerging technologies; learn industry best practices, thereby helping them develop several skills. Students will be exposed to practical knowledge along with the classroom theoretical and practical sessions. The program intends to make a significant contribution towards the development of skilled technical manpower and aid the progress of the nation.

Program Objectives

Delhi Skill and Entrepreneurship University's undergraduate B. Tech (Computer Science and Engineering) program provides the students with an in-depth understanding of key theoretical concepts and intensive practical training to enable them to emerge as proficient engineers in Computer Science and Engineering. The program introduces the students to a number of engineering sciences at the core curriculum level by adopting a theoretical and experimental solution approach to solving real-world problems. During the 4-year program the students will develop several skills, such as:

- Good problem solving ability using appropriate programming skills and practices
- Able to manage data efficiently/Data analysis skills
- Software development skill
- Software testing skills
- Logical and analytical skill
- Exhibit effective personality
- Good communication and team building skills,
- Technical writing skill
- Adapt to the latest trends in computer technology.

Pedagogy and Teaching Methodology

Developed with support of experts from the industry and Subject Matter experts from several renowned academic institutions, this program's effective pedagogy, will aid in skilling young professionals. Focus on real-world examples, activity-based learning, in campus laboratory training, and internships will lead to holistic development of students pursuing this course. This will give them a much needed practical exposure that is currently lacking across most institutions. Classroom training is interspersed with industry visits, guest lectures and project assignments.

Credit scheme

Sl No.	Subject Code	Course Titles	Hours/week					Total Credits
			L	T	O	P	Total	
1.	BT-CS-BS101	Applied Mathematics -I	3	1	0	0	4	4
2.	BT-CS-BS102	Engineering Chemistry	2	0	0	2	4	3
3.	BT-CS-BS103	Engineering Physics	2	0	0	2	4	3
4.	BT-CS-ES101	Problem Solving Using Python	3	0	0	2	5	4
5.	BT-CS-ES102	Engineering Mechanics	2	0	0	2	4	3
6.	BT-CS-ES103	Basics of Electronics Engineering	2	0	0	2	4	3
7.	BT-CS-HS101	Professional Communication Skills	3	0	0	0	3	3
		Total	**17**	**1**	**0**	**10**	**28**	**23**

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SI No.	Course Code	Course Titles	L	T	P	Total	Total Credits
Semester II							
1.	BT-CS-BS201	Applied Mathematics -II	3	1	0	4	4
2.	BT-CS-BS202	Applied Physics	2	0	2	4	3
3.	BT-CS-ES201	Problem Solving using C	3	0	2	5	4
4.	BT-CS-ES202	Basics of Electrical Technology	3	0	2	5	4
5.	BT-CS-ES203	Engineering Graphics & CAD	0	0	3	3	1.5
6.	BT-CS-ES204	Workshop Practice	1	0	3	4	2.5
7.	BT-CS-BS203	Environmental Studies	2	0	2	4	3
8.	BT-CS-AU201	Constitution of India	1	0	0	1	0
		Total	**15**	**1**	**14**	**30**	**22**