



**DELHI SKILL AND  
ENTREPRENEURSHIP UNIVERSITY**

# **Diploma in Computer Engineering**

Syllabus Document



**EFFECTIVE FROM ACADEMIC YEAR 2021-22**

## Program Vision

The vision of Diploma in Computer Engineering is to impart knowledge and practical expertise to empower students with new technologies in the field of Computer Engineering. This course has been designed to include specialized fields for current and futuristic demands of the IT industry. Apart from IT skills, students will get multiple opportunities to enhance their personalities and focus to handle life challenges smoothly and practice good hobbies.

## Program Outcome

- To develop skilled computer engineering professionals with innovative attitude
  - Students will have great and long vision careers in computer engineering fields or will be able to successfully pursue advanced degrees
  - To inculcate mind set towards Entrepreneur
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- a. Technical Knowledge/Skills: HTML, JavaScript, PHP, XML, Flutter, AJAX, Python.
  - b. Software Skill and Project Skills: Programming skill & Software management Skill in PHP, Android, .NET, Cloud, Java, Advance Java Programming, MySQL.
  - c. Personality Traits and Ethics: Assertiveness, Good attitude, Compassionate, Patience, Punctuality, and Sincerity
  - d. Soft Skills: Flexibility and adaptability, work ethics, Responsibility, Good Verbal, written and communication Skills, Interpersonal Skills.

## Credit Scheme

Semester I						
SI No.	Subject Code	Course Titles	Hours/week			Total Credits
			L	T	P	
1	CS-HS101	Face The World (FTW) Skills I	-	-	-	3
2	CS-HS102	English Communication I	2	0	0	2
3	CS-HS103	Sports & Yoga	0	0	2	1
4	CS-FC101	Applied Mathematics - I	3	1	0	4
5	CS-FC102	Basic Electrical & Electronics Engineering	3	0	4	5
6	CS-FC103	Basic Engineering Graphics	0	0	6	3
7	CS-AU101	Workshop Project	0	0	2	1
8	CS-PC101	IT Skills & Technology	2	0	4	4
<b>TOTAL</b>			<b>10</b>	<b>1</b>	<b>18</b>	<b>23</b>

NOTE- Syllabus for FTW Skills- I, English Communication- I, Sports and Yoga, Applied Mathematics- I, Basic Engineering Graphics and Workshop Project are given separately.

Semester II						
S. No.	Subject Code	Course Titles	Hours/week			Total Credits
			Lecture	Tutorial	Practical	
1.	CS-HS201	Face The World (FTW) Skills II	-	-	-	1
2	CS-HS202	English Communication II	0	0	2	1
3	CS-FC201	Applied Mathematics II	3	1	0	4
4	CS-FC202	Applied Physics	2	0	2	3
5	CS-PC201	Programming in C	3	0	3	4.5
6	CS-PC202	Digital Electronics	3	0	2	4
7	CS-PC203	Microprocessor	3	0	3	4.5
<b>TOTAL</b>			<b>14</b>	<b>1</b>	<b>12</b>	<b>22</b>

NOTE- FTW Skills II, English Communication II, Applied Mathematics II and Applied Physics are given separately.