USHA MITTAL INSTITUTE OF TECHNOLOGY
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SNDT Women's University
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Syllabus B. Tech.
First Year (All Branches)

SNDT Women's University
1, Nathibai Thackersey Road,
Mumbai 400 020
(Applicable to students taking admission in and after 2019)

Credit Definition

1 Hr. Lecture (L) per week	1 credit
1 Hr. Tutorial (T) per week	1 credit
1 Hr. Practical (P) per week	0.5 credits
2 Hours Practical(Lab)/week	1 credit

Course code and Definition:

Course Code	Definitions
L	Lecture
T	Tutorial
P	Practical
D	Duration of Paper
TP	Term Paper
TW	Term Work
P/V	Practical/Viva
BSC	Basic Science Courses
ESC	Engineering Science Courses
HSMC	Humanities and Social Sciences including Management courses
PCC	Professional core courses
PEC	Professional Elective courses
OEC	Open Elective courses
LC	Laboratory course
MC	Mandatory courses
PROJ	Project

Semester I

Category and Course Code	Course Title	Hours Per Week			Cr	D	TP	TW	P/V	Total
		L	T	P						
Basic Science course (BSC101)	Applied Science (Physics and Chemistry)	3	1	-	4.0	2.5	75	25		100
Basic Science course (BSC103)	Mathematics –I	3	1	-	4.0	2.5	75	25		100
Engineering Science Courses(ESC101)	Basic Electrical Engineering	3	1	-	4.0	2.5	75	25		100
Engineering Science Courses(ESC102)	Engineering Graphics & Design	1	-	-	1.0	1.0	25	-		25
	Applied Science Lab			3	1.5	-	25	25	PV	50
	Basic Electrical Engineering Lab			2	1.0	-	25	-	PV	25
	Engineering Graphics & Design Lab	-	-	4	2.0	-	25	25	V	50
Mandatory Course	Induction programme	3 weeks - no credits								
	Total	**10**	**3**	**9**	**17.5**					**450**

Semester II

Category and Course Code	Course Title	Hours Per Week			Cr	D	TP	TW	P/V	Total
		L	T	P						
Basic Science courses (BSC 102)	Applied Science (Physics and Chemistry)	3	1	-	4.0	2.5	75	25		100
Basic Science course (BSC104)	Mathematics –II	3	1	-	4.0	2.5	75	25		100
Engineering Science Courses(ESC103)	Programming for Problem Solving	3	-	-	3.0	2.5	75	25		100
Engineering Science Courses(ESC104)	Workshop/Manufacturing Practices	1	-	-	1.0	1.0	25	-		25
Humanities and Social Sciences including Management courses (HSMC101)	English	2	-	-	2.0	1.0	40	10		50
	Applied Science Lab			3	1.5	-	25	25	PV	50
	Programming for Problem Solving Lab			4	2.0	-	25	25	PV	50
	Workshop/Manufacturing Practices Lab			4	2.0		25	25	PV	50
	English Practical			2	1.0	-	-	25	-	25
Mandatory Course	Environmental Sciences*	2	-	-	0	2.0	50	-	-	50
	Total	**14**	**2**	**13**	**20.5**					**600**

*Environmental Sciences is a mandatory credit less course in which the students will be required to get passing marks in the main exam