



**S. B. JAIN INSTITUTE OF TECHNOLOGY,
MANAGEMENT AND RESEARCH, NAGPUR**

(An Autonomous Institute, Affiliated to RTMNU, Nagpur)

FIRST YEAR ENGINEERING DEPARTMENT

"Emerge as a leading Institute for developing competent and creative Professionals"



**CURRICULUM SCHEME OF FIRST YEAR ENGINEERING
With effect from Session 2021-22**

Semester-I (Group-I: CSE, AI & ML and AI & DS)

Scheme of Teaching & Examination of Bachelor of Engineering

Sr.	Course Code	Course Title	Hours per week			Credits	Maximum Marks			ESE Duration (Hrs.)
			L	T	P		Continuous Evaluation	End Sem. Exam	Total	
1	BSC101T	Engineering Mathematics-I	3	1	0	4	40	60	100	3
2	BSC105T	Modern Physics	3	1	0	4	40	60	100	3
3	BSC105P	Modern Physics Lab	0	0	2	1	25	25	50	
4	ESC101T	Electrical Engineering	3	1	0	4	40	60	100	3
5	ESC101P	Electrical Engineering Lab	0	0	2	1	25	25	50	
6	ESC102P	Workshop Practices	0	0	4	2	25	25	50	
7	ESC105T	Programming for Problem Solving	3	0	0	3	40	60	100	3
8	ESC105P	Programming for Problem Solving Lab	0	0	4	2	25	25	50	
9	MC101	Environment Studies	2	0	0	0	50	-	50	-
10	MC102	Indian Constitution	2	0	0	0	50	-	50	-
TOTAL			16	3	12	21	360	340	700	

med *Stage* *to* *Dr. Jaiswal* *Dr. Kulkarni* *Dr. Patil* *Dr. Patil* *Dr. Patil* *Dr. Patil* *Dr. Patil* *Dr. Patil* *Dr. Patil*



**S. B. JAIN INSTITUTE OF TECHNOLOGY,
MANAGEMENT AND RESEARCH, NAGPUR**
(An Autonomous Institute, Affiliated to RTMNU, Nagpur)



FIRST YEAR ENGINEERING DEPARTMENT

"Emerge as a leading Institute for developing competent and creative Professionals"

CURRICULUM SCHEME OF FIRST YEAR ENGINEERING
With effect from Session 2021-22
Semester-I (Group-II: EE, ETC and MECH)

Sr.	Course Code	Course Title	Hours per week			Credits	Maximum Marks			ESE
			L	T	P		Continuous Evaluation	End Sem. Exam	Total	Duration (Hrs.)
1	BSC101T	Engineering Mathematics-I	3	1	0	4	40	60	100	3
2	BSC103T	Engineering Chemistry	3	1	0	4	40	60	100	3
3	BSC103P	Engineering Chemistry Lab	0	0	2	1	25	25	50	
4	ESC104T	Engineering Graphics and Design	1	0	0	1	40	60	100	4
5	ESC104P	Engineering Graphics and Design Lab	0	0	4	2	25	25	50	
6	ESC105T	Programming for Problem Solving	3	0	0	3	40	60	100	3
7	ESC105P	Programming for Problem Solving Lab	0	0	4	2	25	25	50	
8	HSMC101T	Communicative English	2	0	0	2	20	30	50	2
9	HSMC101P	Communicative English Lab	0	0	2	1	25	25	50	
TOTAL			12	2	12	20	280	370	650	

[Handwritten signatures and initials]



**S. B. JAIN INSTITUTE OF TECHNOLOGY,
MANAGEMENT AND RESEARCH, NAGPUR**
(An Autonomous Institute, Affiliated to RTMNU, Nagpur)



FIRST YEAR ENGINEERING DEPARTMENT

"Emerge as a leading Institute for developing competent and creative Professionals"

CURRICULUM SCHEME OF FIRST YEAR ENGINEERING
With effect from Session 2021-22
Semester-II (Group-I : CSE, AI & ML and AI & DS)

Sr.	Course Code	Course Title	Hours per week			Credits	Maximum Marks			ESE
			L	T	P		Continuous Evaluation	End Sem. Exam	Total	Duration (Hrs.)
1	BSC104T	Engineering Mathematics-II	3	1	0	4	40	60	100	3
2	BSC106T	Advanced Chemistry	3	1	0	4	40	60	100	3
3	BSC106P	Advanced Chemistry Lab	0	0	2	1	25	25	50	
4	ESC104T	Engineering Graphics and Design	1	0	0	1	40	60	100	4
5	ESC104P	Engineering Graphics and Design Lab	0	0	4	2	25	25	50	
6	ESC106P	Computer Workshop Lab	0	0	4	2	25	25	50	
7	ESC107P	Web Development Lab	0	0	4	2	25	25	50	
8	HSMC101T	Communicative English	2	0	0	2	20	30	50	2
9	HSMC101P	Communicative English Lab	0	0	2	1	25	25	50	
TOTAL			9	2	16	19	265	335	600	

[Handwritten signatures and initials]



**S. B. JAIN INSTITUTE OF TECHNOLOGY,
MANAGEMENT AND RESEARCH, NAGPUR**

(An Autonomous Institute, Affiliated to RTMNU, Nagpur)

FIRST YEAR ENGINEERING DEPARTMENT

"Emerge as a leading Institute for developing competent and creative Professionals"



**CURRICULUM SCHEME OF FIRST YEAR ENGINEERING
With effect from Session 2021-22
Semester-II (Group-II : EE, ETC and MECH)**

Scheme of Teaching & Examination of Bachelor of Engineering										
Sr.	Course Code	Course Title	Hours per week			Credits	Maximum Marks			ESE
			L	T	P		Continuous Evaluation	End Sem. Exam	Total	Duration (Hrs.)
1	BSC104T	Engineering Mathematics-II	3	1	0	4	40	60	100	3
2	BSC102T	Engineering Physics	3	1	0	4	40	60	100	3
3	BSC102P	Engineering Physics Lab	0	0	2	1	25	25	50	
4	ESC101T	Electrical Engineering	3	1	0	4	40	60	100	3
5	ESC101P	Electrical Engineering Lab	0	0	2	1	25	25	50	
6	ESC102P	Workshop Practices	0	0	4	2	25	25	50	
7	ESC103T	Engineering Mechanics	3	1	0	4	40	60	100	3
8	MC101	Environment Studies	2	0	0	0	50	-	50	-
9	MC102	Indian Constitution	2	0	0	0	50	-	50	-
TOTAL			16	4	8	20	335	315	650	

Handwritten signatures and initials are present below the table, including names like R. K. Kulkarni, S. J. Patil, and others.