

Dr. Babasaheb Ambedkar Technological University, Lonere											
B. Tech First Year Engineering — With Effect from Academic Year 2024-2025 (Affiliated Colleges Only)											
First Year Teaching and Evaluation Scheme											
GROUP A											

Semester I											
Sr. No.	Course Category	Course Code	Course Title	L	T	P	CA	MSE	ESE	Total	Credit
1	BSC	24AF1000BS101	Engineering Mathematics I	3	0	0	20	20	60	100	3
2	BSC	24AF1CHEBS102	Engineering Chemistry	3	0	0	20	20	60	100	3
3	BSC	24AF1CHEBSL103	Engineering Chemistry Lab	0	0	2	60	--	40	-	1
4	ESC	24AF1EMES104	Engineering Mechanics	3	0	0	20	20	60	100	3
5	ESC	24AF1EMESL105	Engineering Mechanics Lab	0	0	2	60	--	40	-	1
6	ESC	24AF1000ES106A	Programming for Problem Solving	2	0	0	20	20	60	100	2
7	ESC	24AF1000ESL107A	Programming for Problem Solving Lab	0	0	2	60	--	40	-	1
8	VSEC	24AF1000VSL108	Workshop Practices	0	0	4	60	--	40	-	2
9	AEC-01	24AF1000VS109	Communication Skills	2	0	0	20	20	60	100	2
10	AEC-01	24AF1000VSL110	Communication Skills Lab	0	0	2	60	--	40	-	1
11	CC	24AF1000CC111A	Yoga Education	1	0	2	60	--	40	-	2
Total				14	0	14	460	100	540	500	21

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GROUP A											

Semester II											
Sr. No.	Course Category	Course Code	Course Title	L	T	P	CA	MSE	ESE	Total	Credit
1	BSC	24AF1000BS201	Engineering Mathematics II	3	0	0	20	20	60	100	3
2	BSC	24AF2PHYBS202	Engineering Physics	3	0	0	20	20	60	100	3
3	BSC	24AF2PHYBSL203	Engineering Physics Lab	0	0	2	60	--	40	-	1
4	ESC	24AF2EGRES204	Engineering Graphics	2	0	0	20	20	60	100	2
5	ESC	24AF2EGRESL205	Engineering Graphics Lab	0	0	2	60	--	40	-	1
6	ESC	24AF1000ES206A	Basic Electrical and Electronics Engineering	3	0	0	20	20	60	100	3
7	ESC	24AF1000ESL207A	Basic Electrical and Electronics Engineering Lab	0	0	2	60	--	40	-	1
8	ESC	24AF2CMEES208	Basic Civil and Mechanical Engineering	3	0	0	20	20	60	100	3
9	BSC	24AF1EEEEES209	Energy and Environmental Engineering	2	0	0	50	--	--	-	AU
10	IKS	24AF1000IK210C	IKS Bucket # CONCEPTS AND APPLICATIONS IN ENGINEERING	2	0	0	60	--	40	-	2
11	VSEC	24AF1000VS211	Design Thinking	2	0	0	60	--	40	-	2
12	CC	24AF1000CC212A	Integrated Personality Development	1	0	2	60	--	40	-	2
Total				21	0	8	510	100	540	500	23

*Practical/Oral evaluation of 40 marks at the end of the semester. Presentation/Oral evaluation of 40 marks at the end of the semester.

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B. Tech First Year Engineering — With Effect from Academic Year 2024-2025 (Affiliated Colleges Only)

First Year Teaching and Evaluation Scheme

GROUP B

Semester I

Sr. No.	Course Category	Course Code	Course Title	L	T	P	CA	MSE	ESE	Total	Credit
1	BSC	24AF1000BS101	Engineering Mathematics I	3	0	0	20	20	60	100	3
2	BSC	24AF1PHYBS102	Engineering Physics	3	0	0	20	20	60	100	3
3	BSC	24AF1PHYBSL103	Engineering Physics Lab	0	0	2	60	--	40	-	1
4	ESC	24AF1EGES104	Engineering Graphics	2	0	0	20	20	60	100	2
5	ESC	24AF1EGESL105	Engineering Graphics Lab	0	0	2	60	--	40	-	1
6	ESC	24AF1000ES106B	Basic Electrical and Electronics Engineering	3	0	0	20	20	60	100	3
7	ESC	24AF1000ESL107B	Basic Electrical and Electronics Engineering Lab	0	0	2	60	--	40	-	1
8	ESC	24AF1000ES108	Basic Civil and Mechanical Engineering	3	0	0	20	20	60	100	3
9	BSC	24AF1EEEEES109	Energy and Environmental Engineering	2	0	0	50	--	--	-	AU
10	IKS	24AF1000IKS110C	IKS Bucket # CONCEPTS AND APPLICATIONS IN ENGINEERING	2	0	0	60	--	40	-	2
11	VSEC	24AF1000VS111	Design Thinking	2	0	0	60	--	40	-	2
12	CC	24AF1000CC112A	Integrated Personality Development	1	0	2	60	--	40	-	2
Total				21	0	8	510	100	540	500	23

Dr. Babasaheb Ambedkar Technological University, Lonere**B. Tech First Year Engineering — With Effect from Academic Year 2024-2025 (Affiliated Colleges Only)***First Year Teaching and Evaluation Scheme***GROUP B****Semester II**

Sr. No.	Course Category	Course Code	Course Title	L	T	P	CA	MSE	ESE	Total	Credit
1	BSC	24AF1000BS201	Engineering Mathematics II	3	0	0	20	20	60	100	3
2	BSC	24AF1CHEBS202	Engineering Chemistry	3	0	0	20	20	60	100	3
3	BSC	24AF1CHEBSL203	Engineering Chemistry Lab	0	0	2	60	--	40	-	1
4	ESC	24AF1EMES204	Engineering Mechanics	3	0	0	20	20	60	100	3
5	ESC	24AF1EMESL205	Engineering Mechanics Lab	0	0	2	60	--	40	-	1
6	ESC	24AF1000ES206B	Programming for Problem Solving	2	0	0	20	20	60	100	2
7	ESC	24AF1000ESL207B	Programming for Problem Solving Lab	0	0	2	60	--	40	-	1
8	VSEC	24AF1000VSL208	Workshop Practices	0	0	4	60	--	40	-	2
9	AEC-01	24AF1000VS209	Communication Skills	2	0	0	20	20	60	100	2
10	AEC-01	24AF1000VSL210	Communication Skills Lab	0	0	2	60	--	40	-	1
11	CC	24AF1000CC211A	Yoga Education	1	0	2	60	--	40	-	2
Total				14	0	14	460	100	540	500	21

**Practical/Oral evaluation of 40 marks at the end of the semester. Presentation/Oral evaluation of 40 marks at the end of the semester.*