

Mohan Lal Sukhadia University Udaipur



B. Tech. Program (Effective from session 2021-2022)

Mechanical Engineering

Semesters III - VIII

Course structure

**Teaching & Examination Scheme
Semester III**

THEORY											
SN	Category	Course		Contact hrs/week			Marks				Cr
		Code	Title	L	T	P	Exm Hrs	IA	ETE	Total	
1	BSC	BT3ME01-CT01	Advance Engineering Mathematics-I	3	0	0	3	30	120	150	3
2	HSMC	BT3ME02-CT02	Technical Communication	2	0	0	2	20	80	100	2
3	ESC	BT3ME03-CT03	Engineering Mechanics	2	0	0	2	20	80	100	2
4	PCC	BT3ME04-CT04	Engineering Thermodynamics	3	0	0	3	30	120	150	3
5		BT3ME05-CT06	Materials Science and Engineering	3	0	0	3	30	120	150	3
6		BT3ME06-CT06	Mechanics of Solids	3	1	0	3	40	160	200	4
			Sub Total	16	1	0		170	680	850	17
PRACTICAL & SESSIONAL											
7	PCC	BT3ME07-CP01	Machine drawing Practice	0	0	4		40	60	100	2
8		BT3ME08-CP02	Materials Testing Lab	0	0	4		40	60	100	2
9		BT3ME09-CP03	Basic Mechanical Engineering Lab	0	0	2		20	30	50	1
10		BT3ME10-CP04	Programming using MATLAB	0	0	4		40	60	100	2
11	PSIT	BT3ME11-CP05	Industrial Training	0	0	1		0	0	50	1
			Sub- Total	0	0	15		140	210	400	8
			TOTAL OF III SEMESTER	16	1	15		310	890	1250	25

L: Lecture, T: Tutorial, P: Practical, Cr: Credits

ETE: End Term Exam, IA: Internal Assessment

**Teaching & Examination Scheme
Semester IV**

THEORY											
SN	Category	Course		Contact hrs/week			Marks				Cr
		Code	Title	L	T	P	Exm Hrs	IA	ETE	Total	
1	BSC	BT4ME01-CT01	Advance Engineering Mathematics-II	2	0	0	2	20	80	100	2
2	HSMC	BT4ME02-CT02	Managerial Economics and Financial Accounting	2	0	0	2	20	80	100	2
3	ESC	BT4ME03-CT03	Digital Electronics	2	0	0	2	20	80	100	2
4	PCC	BT4ME04-CT04	Fluid Mechanics and Fluid Machines	3	1	0	3	40	160	200	4
5		BT4ME05-CT05	Manufacturing Processes	3	0	0	3	30	120	150	3
6		BT4ME06-CT06	Theory of machines	3	1	0	3	40	160	200	4
Sub Total				15	2	0		170	680	850	17
PRACTICAL & SESSIONAL											
7	PCC	BT4ME07-CP01	Digital Electronics lab	0	0	2		20	30	50	1
8		BT4ME08-CP02	Fluid Mechanics lab	0	0	4		40	60	100	2
9		BT4ME09-CP03	Production practice lab	0	0	4		40	60	100	2
10		BT4ME10-CP04	Theory of machines Lab	0	0	4		40	60	100	2
Sub- Total				0	0	14		140	210	350	7
TOTAL OF IV SEMESTER				15	2	14		310	890	1200	24

L: Lecture, T: Tutorial, P: Practical, Cr: Credits

ETE: End Term Exam, IA: Internal Assessment