

Swami Keshvanand Institute of Technology, Management & Gramothan, Jaipur

(An Autonomous Institute Affiliated to Rajasthan Technical University, Kota)

Teaching and Examination Scheme (For Students Admitted in A.Y. 2024-25 & onwards)

B.Tech. Mechanical Engineering

B.Tech. III Year (Semester V)																
Sr. No.	Br.	Year	Sem.	Course Code	Course Name	Category	Teaching & Learning Scheme				Exam Hrs.	Marks			Credit	
							Classroom Instruction (CI) (in hours per semester)		Lab Instruction (LI) (in hours per semester)	Term Work (TW) and Self Learning (SL) (TW+ SL) (in hours per semester)		Total no. of Hours per semester	CIE	SEE		Total
							L	T	P	SL						
1	ME	III	V	MEUL501	Design of Machine Elements I	PCC	45	0	0	45	90	3	40	60	100	3
2	ME	III	V	MEUL502	Heat Transfer	PCC	45	0	0	45	90	3	40	60	100	3
3	ME	III	V	MEUL503	Manufacturing Technology	PCC	45	0	0	45	90	3	40	60	100	3
4	ME	III	V	MEUL504	Mechatronics & Robotics	ESC	30	0	0	30	60	3	40	60	100	2
5	ME	III	V	MEUL511	Quality Control & Reliability	PEC	45	0	0	45	90	3	40	60	100	3
	ME	III	V	MEUL512	Automobiles & Electric Vehicles											
	ME	III	V	MEUL513	Power Plant Engineering											
6	ME	III	V		Open Elective	OEC	45	0	0	45	90	3	40	60	100	3
7	ME	III	V	MEUP520	Heat Transfer Lab	PCC	0	0	30			3	60	40	100	1
8	ME	III	V	MEUP521	Machine Design Practice I	PCC	0	0	30			3	60	40	100	1
9	ME	III	V	MEUP522	Measurement & Metrology Lab	PCC	0	0	30			3	60	40	100	1
10	ME	III	V	MEUP523	Mechatronics & Robotics Lab	ESC	0	0	30			3	60	40	100	1
11	ME	III	V	MEUT530	Industrial Training	PSIT	0	0	60			3	60	40	100	2
12	ME	III	V	MEUA500	Social Outreach, Discipline & Extra Curricular Activities	SODECA						3			100	0.5
13	ME	III	V	NU99.6/ NU99.7	Disaster Management and Preparedness/ Indian Constitution	MC	30	0	0			3	40	60	100	0
													Total Credit			23.5

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B.Tech. Mechanical Engineering

B.Tech. III Year (Semester VI)

Sr. No.	Br.	Year	Sem.	Course Code	Course Name	Category	Teaching & Learning Scheme				Exam Hrs.	Marks			Credit	
							Classroom Instruction (CI) (in hours per semester)	Lab Instruction (LI) (in hours per semester)	Term Work (TW) and Self Learning (SL) (TW+ SL) (in hours per semester)	Total no. of Hours per semester		CIE	SEE	Total		
1	ME	III	VI	MEUL601	Design of Machine Elements II	PCC	45	0	0	45	90	3	40	60	100	3
2	ME	III	VI	MEUL602	Industrial Engineering & Management	PCC	30	0	0	30	60	3	40	60	100	2
3	ME	III	VI	MEUL603	Mechanical Vibrations	PCC	45	0	0	45	90	3	40	60	100	3
4	ME	III	VI	MEUL611	Computer Integrated Manufacturing Systems	PEC	45	0	0	45	90	3	40	60	100	3
				MEUL612	Advanced Machining Methods											
				MEUL613	Additive Manufacturing											
5	ME	III	VI	MEUL614	Refrigeration and Air Conditioning	PEC	45	0	0	45	90	3	40	60	100	3
				MEUL615	Renewable Energy Technology											
				MEUL616	Finite Element Analysis											
6	ME	III	VI		Open Elective	OEC	45	0	0	45	90	3	40	60	100	3
7	ME	III	VI	MEUP620	Computer Integrated Manufacturing System Lab	PCC	0	0	30			3	60	40	100	1
8	ME	III	VI	MEUP621	Data Analytics Lab	PCC	0	0	30			3	60	40	100	1
9	ME	III	VI	MEUP622	Machine Design Practice II	PCC	0	0	30			3	60	40	100	1
10	ME	III	VI	MEUP623	Thermal Engineering Lab I	PCC	0	0	45			3	60	40	100	1.5
11	ME	III	VI	MEUP624	Vibration Lab	PCC	0	0	45			3	60	40	100	1.5
12	ME	III	VI	MEUA600	Social Outreach, Discipline & Extra Curricular Activities	SODECA						3			100	0.5
13	ME	III	VI	NU99.6/ NU99.7	Disaster Management and Preparedness/ Indian Constitution	MC	30	0	0			3	40	60	100	0
													Total Credit			23.5