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SANJAY SHIKSHA SAMITI

FACULTY OF ENGINEERING AND TECHNOLOGY
Department of Mechanical Engineering
Teaching Scheme Session 2022 Onwards

Program Name: Bachelor of Technology   Course: B.Tech. in Mechanical Engineering

YEAR/SEMESTER: I/I

S. No.	Subject Code	Subject Title	Credit
		Theory Papers	
1	EE100101	Engineering Mathematics-I	4
2	EE100102	Engineering Chemistry	3
3	EE100103	Communication Skills	3
4	EE100104	Programming for Problem Solving	3
5	EE100105	Basic Civil Engineering	4
		Practical Papers	
1	EE100121	Engineering Chemistry Lab	1
2	EE100122	Language Lab	1
3	EE100123	Computer Programming Lab	1
4	EE100124	Basic Civil Engineering Lab	1
5	EE100125	Computer Aided Engineering Graphics	2
6	SODECA	Social Outreach, Discipline & Extra Curricular Activities	1

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Teaching Scheme Session 2022 Onwards

Program Name: Bachelor of Technology   Course: B.Tech. in Mechanical Engineering

YEAR/SEMESTER: I/II

S. No.	Subject Code	Subject Title	Credit
		Theory Papers	
1	EE100201	Engineering Mathematics-II	4
2	EE100202	Engineering Physics	3
3	EE100203	Human Values	3
4	EE100204	Basic Mechanical Engineering	4
5	EE100205	Basic Electrical Engineering	4
		Practical Papers	
1	EE100221	Engineering Physics Lab	1
2	EE100222	Human Values Activities	1
3	EE100223	Manufacturing Practices Workshop	1
4	EE100224	Basic Electrical Engineering Lab	1
5	EE100225	Computer Aided Machine Drawing	1
6	SODECA	Social Outreach, Discipline & Extra Curricular Activities	1

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Program Name: Bachelor of Technology   Course: B.Tech. in Mechanical Engineering
YEAR/SEMESTER: II/III

S. No.	Subject Code	Subject Title	Credit
		Theory Papers	
1	EE103301	Advance Engineering Mathematics - I	4
2	EE103302	Technical Communication	2
3	EE103303	Engineering Mechanics	4
4	EE103304	Engineering Thermodynamics	4
5	EE103305	Materials Science and Engineering	3
6	EE103306	Mechanics of Solids	4
7	CA101351	Fundamentals of Computer Application - I	1
8	HA101351	Professional English - I	2
		Practical Papers	
1	EE103321	Machine Drawing Practice	2
2	EE103322	Materials Science and Engineering Lab	1
3	EE103323	Mechanics of Solid Lab	1
4	EE103324	Industrial Training	1
5	CA101371	Fundamentals of Computer Application - I	1
6	SODECA	Social Outreach, Discipline & Extra Curricular Activities	1

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YEAR/SEMESTER: II/IV

S. No.	Subject Code	Subject Title	Credit
		Theory Papers	
1	EE103401	Data Analytics	4
2	EE103402	Managerial Economics and Financial Accounting	2
3	EE103403	Digital Electronics	3
4	EE103404	Fluid Mechanics and Fluid Machines	4
5	EE103405	Manufacturing Processes	3
6	EE103406	Theory of Machines	4
7	HA101451	Professional English - II	2
8	CA101451	Fundamentals of Computer Application – II	1
		Practical Papers	
1	EE103421	Digital Electronics Lab	1
2	EE103422	Fluid Mechanics Lab	1
3	EE103423	Production Practice Lab	2
4	EE103424	Theory of Machines Lab	1
5	CA101471	Fundamentals of Computer Application – II	1
6	SODECA	Social Outreach, Discipline & Extra Curricular Activities	1

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YEAR/SEMESTER: III/V

S. No.	Subject Code	Subject Title	Credit
		Theory Papers	
1	EE103501	Mechatronic Systems	2
2	EE103502	Heat Transfer	4
3	EE103503	Manufacturing Technology	3
4	EE103504	Design of Machine Element - I	4
5	EE103505	Principles of Management	2
6	EE103506.1	Automobile Engineering	3
	EE103506.2	Refrigeration and Air Conditioning	
7	HA101551	Professional English - III	2
8	CA101551	Fundamentals of Computer Application – III	1
		Practical Papers	
1	EE103521	Mechatronics Lab	1
2	EE103522	Heat Transfer Lab	1
3	EE103523	Production Engineering Lab	1
4	EE103524	Machine Design Practice – I	1
5	EE103525.1	Automobile Engineering Lab	1
	EE103525.2	Refrigeration and Air Conditioning Lab	
6	EE103526	Industrial Training	3
7	CA101571	Fundamentals of Computer Application – III	1
8	SODECA	Social Outreach, Discipline & Extra Curricular Activities	1

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Program Name: Bachelor of Technology   Course: B.Tech. in Mechanical Engineering
YEAR/SEMESTER: III/VI

S. No.	Subject Code	Subject Title	Credit
		Theory Papers	
1	EE103601	Design of Machine Element - II	4
2	EE103602	Computer Integrated Manufacturing Systems	2
3	EE103603	Mechanical Vibration	4
4	EE103604	Operation Research	4
5	EE103605	Quality Management	3
6	EE103606.1	Non Destructive Evaluation & Testing	3
	EE103606.2	Non-Conventional Machining Method	
	EE103606.3	MEMS and Microsystems	
7	HA101651	Professional English - IV	2
8	CA101651	Fundamentals of Computer Application - IV	1
		Practical Papers	
1	EE103621	CIMS Lab	1
2	EE103622	Mechanical Vibration Lab	1
3	EE103623	Machine Design Practice - II	2
4	EE103624	Quality Control Lab	1
5	CA101671	Fundamentals of Computer Application – IV	1
6	SODECA	Social Outreach, Discipline & Extra Curricular Activities	1

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YEAR/SEMESTER: IV/VII

S. No.	Subject Code	Subject Title	Credit
		Theory Papers	
1	EE103701	I. C. Engine	3
2	EE103702	Mechanical Measurement and Metrology	3
3	EE103703	Turbo Machines	3
4		Open Elective - I	3
		Practical Papers	
1	EE103721	Turbo Machines Lab	2
2	EE103722	Thermal Engineering Lab	1
3	EE103723	Metrology Lab	1
4	EE103724	Industrial Training	2
5	EE103725	Seminar	2
6	SODECA	Social Outreach, Discipline & Extra Curricular Activities	1

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YEAR/SEMESTER: IV/VIII

S. No.	Subject Code	Subject Title	Credit
		Theory Papers	
1	EE103801.1	Hybrid and Electric Vehicles	3
	EE103801.2	Supply and Operation Management	
	EE103801.3	Additive Manufacturing	
2		Open Elective - II	3
		Practical Papers	
1	EE103821	Industrial Engineering Lab	1
2	EE103822	Programming Using MATLAB	1
3	EE1038PR	Project	7
4	SODECA	Social Outreach, Discipline & Extra Curricular Activities	1