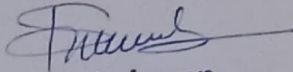

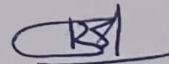
		FABTECH EDUCATION SOCIETY'S FABTECH TECHNICAL CAMPUS COLLEGE OF ENGINEERING & RESEARCH (An Autonomous Institute)										
		Curriculum for Mechanical Engineering M. Tech. with effect from A.Y. 2026-27										
		Semester I										
		Course Type	Course Code	Name of the Course	Engagement Hours			Credits	In Semester Evaluation Scheme		End Semester Evaluation Scheme	
L	T				P	MSE	ICA		ESE	OE/P OE		
											M	M
PCC	25PME11171	Advanced Engineering thermodynamics and heat cycle	3	-	-	3	30	10	60	-	100	
	25PME11172	Advanced Manufacturing Processes	3	-	-	3	30	10	60	-	100	
	25PME11173	Industrial product design	3	-	-	3	30	10	60	-	100	
	25PME11174	PG Lab-I	-	-	2	1	-	50	-	-	50	
PEC	25PME11271	Professional Elective Courses-I	3	1	-	4	30	10	60	-	100	
	25PME11272		3	1	-	4	30	10	60	-	100	
	25PME11273		3	1	-	4	30	10	60	-	100	
ELC	25PME11671	Research methodology and IPR	3	1	-	4	30	10	60	-	100	
	25PME11672	Seminar	-	-	2	1	-	50	-	-	50	
AEC	25PEE11471	Hands on Research and Analysis Tool	-	-	2	1	-	50	-	-	50	
Total			15	02	06	20	150	200	300	-	650	
Abbreviations: L= Lecture, T= Tutorial, P= Practical, M= Marks												

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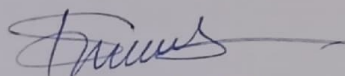

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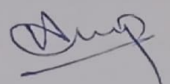

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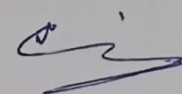
In addition to above courses the following Groups are offered as Multidisciplinary Minor by Mechanical Engineering Department

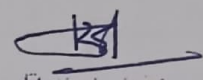
Professional Elective Courses-I [PEC]


Sr. No	Subject Code	Subject Name
1	25PME11271	Robotics
2	25PME11272	Manufacturing Planning and Control
3	25PME11273	Solar and Wind Energy


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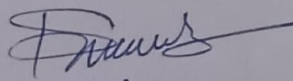

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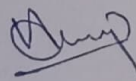

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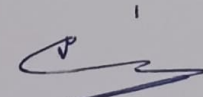

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 FABTECH EDUCATION SOCIETY'S FABTECH TECHNICAL CAMPUS COLLEGE OF ENGINEERING & RESEARCH (An Autonomous Institute) Curriculum for Mechanical Engineering M. Tech. with effect from A.Y. 2026-27 Semester II											
Course Type	Course Code	Name of the Course	Engagement Hours			Credits	In Semester Evaluation Scheme		End Semester Evaluation Scheme		Total Marks
			L	T	P		MSE	ICA	ESE	OE/PO E	
							M	M	M	M	
PCC	25PME12175	Advanced fluid mechanics	3	-	-	3	30	10	60	-	100
	25PME12176	Advanced design engineering	3	-	-	3	30	10	60	-	100
	25PME12177	Advanced metal joining process	3	-	-	3	30	10	60	-	100
	25PME12178	PG Lab -II	-	-	2	1	-	50	-	-	50
PEC	25PME12274	Professional Elective Course-II	3	1	-	4	30	10	60	-	100
	25PME12275										
	25PME12276										
PEC	25PME12277	Professional Elective Course-III	3	1	-	4	30	10	60	-	100
	25PME12278										
	25PME12279										
VSE	25PME12172	Mini Project	-	-	2	1	-	50	-	-	50
ELC	25PET12673	Research Publication and Ethics	-	-	4	2	-	50	-	-	50
		Total	15	02	08	21	150	200	300	-	650
Abbreviations: L= Lecture, T= Tutorial, P= Practical, M= Marks											

In addition to above courses following Groups are offered as Professional Elective Course by Mechanical Engineering Department


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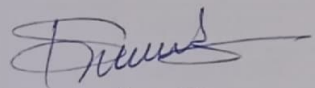

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Professional Elective Course-II [PEC-II]

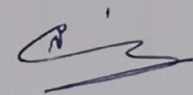
Sr. No.	Course Code	Name of the Course
1	25PME12274	Automatic control engineering
2	25PME12275	Alternative fuels for IC engine
3	25PME12276	Computational fluid dynamics

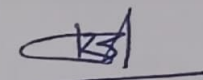
Professional Elective Course - III [PEC- III]


Sr. No.	Course Code	Name of the Course
1	25PME12277	Advanced engineering material
2	25PME12278	Entrepreneurship development
3	25PME12279	New labour codes of India


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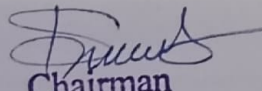

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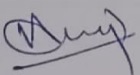

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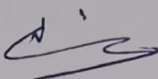

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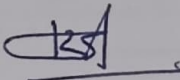
		FABTECH EDUCATION SOCIETY'S FABTECH TECHNICAL CAMPUS COLLEGE OF ENGINEERING & RESEARCH (An Autonomous Institute)									
		Curriculum for Mechanical Engineering B. Tech. with effect from A.Y. 2026-27									
		Semester III									
		Course Type	Course Code	Name of the Course	Engagement Hours			Credits	In Semester Evaluation Scheme		End Semester Evaluation Scheme
L	T				P	MSE	ICA		ESE	OE/POE	
						M	M		M	M	
PCC	26PME21179	Additive Manufacturing	3	1	-	4	30	10	60	-	100
ELC	26PME21674	MOOC's/NPTEL, Self Learning Courses/MKCL	2	-	-	2	-	50	-	-	50
OEC	26PME21571	Open Elective Course -IV	3	1	-	4	30	10	60	-	100
	26PME21572										
	26PME21573										
ELC	26PME21675	Dissertation Phase -I	-	-	12	6	-	100	-	100	200
		Total	08	02	12	16	60	170	120	100	450
			Abbreviations: L= Lecture, T= Tutorial, P= Practical, M= Marks								

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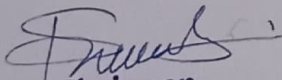

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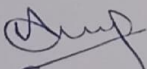
In addition to the above courses, the following courses are offered as Open Electives (OE) by the Mechanical Engineering Departments

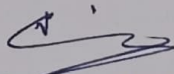
Open Elective Course [OEC- IV]

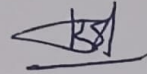
Sr. No.	Course Code	Name of the Course
1	26PME21571	Business Analytics
2	26PME21572	Non-Conventional Energy
3	26PME21573	Organizational Behavior

 FABTECH EDUCATION SOCIETY'S FABTECH TECHNICAL CAMPUS COLLEGE OF ENGINEERING & RESEARCH (An Autonomous Institute)											
Curriculum for Mechanical Engineering B. Tech. with effect from A.Y. 2027-28											
Semester IV											
Course Type	Course Code	Name of the Course	Engagement Hours			Credits	In Semester Evaluation Scheme		End Semester Evaluation Scheme		Total Marks
			L	T	P		MSE	ICA	ESE	OE/POE	
							M	M	M	M	
ELC	26PME22676	Dissertation Phase -II	-	-	24	12	-	200	-	200	400
		Total			24	12	-	200	-	200	400
Abbreviations: L= Lecture, T= Tutorial, P= Practical, M= Marks											


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