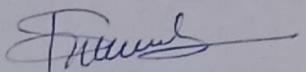


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		<b>Curriculum for Mechanical Engineering M. Tech. with effect from A.Y. 2026-27</b>									
		<b>Semester I</b>									
<i>Course Type</i>	<i>Course Code</i>	<i>Name of the Course</i>	<i>Engagement Hours</i>			<i>Credit s</i>	<i>In Semester Evaluation Scheme</i>		<i>End Semester Evaluation Scheme</i>		<i>Total Marks</i>
			<i>L</i>	<i>T</i>	<i>P</i>		<i>MSE</i>	<i>ICA</i>	<i>ESE</i>	<i>OE/P OE</i>	
							<i>M</i>	<i>M</i>	<i>M</i>	<i>M</i>	
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
<b>Total</b>			<b>15</b>	<b>02</b>	<b>06</b>	<b>20</b>	<b>150</b>	<b>200</b>	<b>300</b>	<b>-</b>	<b>650</b>
<b>Abbreviations: L= Lecture, T= Tutorial, P= Practical, M= Marks</b>											

\*Students must complete a student induction program at the start of the first semester to ease their transition into the academic environment.



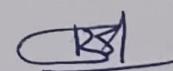
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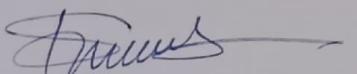


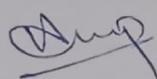
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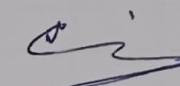
In addition to above courses the following Groups are offered as Multidisciplinary Minor by Mechanical Engineering Department

**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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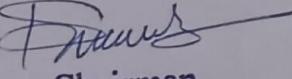
  
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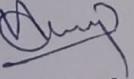
  
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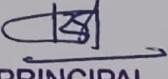
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		Curriculum for Mechanical Engineering M. Tech. with effect from A.Y. 2026-27									
		Semester II									
Course Type	Course Code	Name of the Course	Engagement Hours			Credits	In Semester Evaluation Scheme		End Semester Evaluation Scheme		Total Marks
			L	T	P		MSE	ICA	ESE	OE/PO E	
			M	M	M		M	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
		<b>Total</b>	<b>15</b>	<b>02</b>	<b>08</b>	<b>21</b>	<b>150</b>	<b>200</b>	<b>300</b>	<b>-</b>	<b>650</b>
<b>Abbreviations:</b> 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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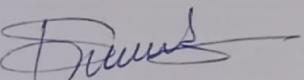
  
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**Professional Elective Course-II [PEC-II]**

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

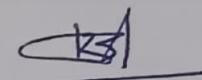
**Professional Elective Course - III [PEC- III]**

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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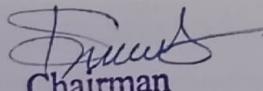
  
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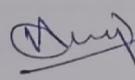
  
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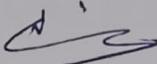
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		<b>Curriculum for Mechanical Engineering B. Tech. with effect from A.Y. 2026-27</b>									
		<b>Semester III</b>									
<i>Course Type</i>	<i>Course Code</i>	<i>Name of the Course</i>	<i>Engagement Hours</i>			<i>Credit s</i>	<i>In Semester Evaluation Scheme</i>		<i>End Semester Evaluation Scheme</i>		<i>Total Mark s</i>
			<i>L</i>	<i>T</i>	<i>P</i>		<i>MSE</i>	<i>ICA</i>	<i>ESE</i>	<i>OE/PO E</i>	
							<i>M</i>	<i>M</i>	<i>M</i>	<i>M</i>	
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
		<b>Total</b>	<b>08</b>	<b>02</b>	<b>12</b>	<b>16</b>	<b>60</b>	<b>170</b>	<b>120</b>	<b>100</b>	<b>450</b>

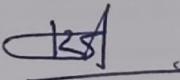
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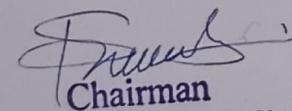
In addition to the above courses, the following courses are offered as Open Electives (OE) by the Mechanical Engineering Departments

**Open Elective Course [OEC- IV]**

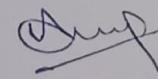
Sr. No.	Course Code	Name of the Course
1	26PME21571	Business Analytics
2	26PME21572	Non-Conventional Energy
3	26PME21573	Organizational Behavior

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		Curriculum for Mechanical Engineering B. Tech. with effect from A.Y. 2027-28												
Course Type	Course Code	Name of the Course	Semester IV										Total Marks	
			Engagement Hours		Cre dits	In Semester Evaluation Scheme		End Semester Evaluation Scheme						
			L	T		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			

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