

**SCHEME OF INSTRUCTION & EXAMINATION**  
**B.E. III - Semester**  
**(AUTOMOBILE ENGINEERING)**

S.No	Course Code	Course Title	Scheme of Instruction				Scheme of Examination			Credits
			L	T	Pr/ Drg	Contact Hrs / wk	CIE	SEE	Duration in Hrs	
<b>Theory Courses</b>										
1	BS 301 MT	Engineering Mathematics-III	3	1	-	4	30	70	3	3
2	ES 321CE	Mechanics of Materials	3	1	-	4	30	70	3	3
3	ES 323 EE	Automotive Electrical & Electronics Engineering	3	-	-	3	30	70	3	3
4	PC 301 AE	Thermal Engineering	4	-	-	4	30	70	3	4
5	PC 302 AE	Automotive Engineering Drawing	2	-	2	4	30	70	3	3
6	PC 303 AE	Fluid Mechanics & Machinery	4	-	-	4	30	70	3	4
<b>Practical / Laboratory Courses</b>										
7	ES 362 EE	Electrical Wiring & Microprocessor Lab	-	-	2	2	25	50	3	1
8	PC 351 AE	Fluid Power Lab	-	-	2	2	25	50	3	1
<b>Total</b>			<b>19</b>	<b>2</b>	<b>6</b>	<b>27</b>	<b>230</b>	<b>520</b>		<b>22</b>

BS: Basic Sciences                      ES: Engineering Sciences                      MC: Mandatory Course  
PC: Professional Course                      HS: Humanities and Sciences  
L: Lectures      T: Tutorials      Pr : Practicals                      Drg: Drawing  
**CIE:** Continuous Internal Evaluation                      **SEE:** Semester End Examination (Univ. Exam)

- Note:** 1) Each contact hour is a Clock Hour  
2) The practical class can be of two and half hour (clock hours) duration as per the requirement of a particular laboratory.  
3) Students admitted into B.E./B.Tech. courses under lateral entry scheme (through ECET) from the academic year 2017-18 should undergo the following bridge course subjects at III Semester (CBCS).  
(1) ES 154 CS      Computer Programming Lab  
(2) MC 156 EG      Engineering English Lab

**SCHEME OF INSTRUCTION & EXAMINATION**  
**B.E. IV - Semester**  
**(AUTOMOBILE ENGINEERING)**

S.No.	Course Code	Course Title	Scheme of Instruction				Scheme of examination			Credits
			L	T	Pr/ Drg	Contact Hrs / wk	CIE	SEE	Duration in Hrs	
<b>Theory Courses</b>										
1	BS 401 MT	Engineering Mathematics-IV	3	1	-	4	30	70	3	3
2	PC 401 AE	Automotive Petrol Engines	3	-	-	3	30	70	3	3
3	PC 402 AE	Automotive Chassis Components	4	-	-	4	30	70	3	4
4	PC 403AE	Metallurgy & Material Testing	4	-	-	4	30	70	3	4
5	PC 402 ME	Kinematics of Machines	4	1	-	5	30	70	3	4
6	MC 916 CE	Environmental Sciences	3	-	-	3	30	70	3	3
<b>Practical / Laboratory Courses</b>										
7	PC 451 AE	Metallurgy & Material Testing Lab	-	-	2	2	25	50	3	1
8	PC 452 AE	Automotive Chassis Components Lab	-	-	2	2	25	50	3	1
9	PC 453 AE	Computational Methods Lab	-	-	2	2	25	50	3	1
<b>Total</b>			<b>21</b>	<b>2</b>	<b>6</b>	<b>29</b>	<b>255</b>	<b>570</b>		<b>24</b>

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**CIE:** Continuous Internal Evaluation      **SEE:** Semester End Examination (Univ. Exam)

**Note:** 1) Each contact hour is a Clock Hour  
 2) The practical class can be of two and half hour (clock hours) duration as per the requirement of a particular laboratory.