



**JAWAHARLAL NEHRU TECHNOLOGICAL UNIVERSITY: KAKINADA**  
**KAKINADA – 533 003, Andhra Pradesh, India**

**DEPARTMENT OF AUTOMOBILE ENGINEERING**

**COURSE STRUCTURE – R19**

**I Year – I SEMESTER**

Sl. No	Course Code	Subjects	L	T	P	Credits
1	BS1101	Mathematics – I	3	0	0	3
2	BS1102	Mathematics – II	3	0	0	3
3	BS1110	Engineering Chemistry	3	0	0	3
4	ES1101	Programming for Problem Solving Using C	3	0	0	3
5	ES1104	Engineering Mechanics	3	0	0	3
6	HS1102	English Lab	0	0	2	1
7	BS1111	Engineering Chemistry Laboratory	0	0	3	1.5
8	ES1102	Programming for Problem Solving Using C Lab	0	0	3	1.5
9	MC1101	Environmental Studies	3	0	0	0
<b>Total Credits</b>			<b>18</b>	<b>0</b>	<b>8</b>	<b>19</b>

**I Year – II SEMESTER**

Sl. No	Course Code	Subjects	L	T	P	Credits
1	HS1201	English	3	0	0	3
2	BS1203	Mathematics – III	3	0	0	3
3	BS1208	Engineering Physics	3	0	0	3
4	ES1206	Basic Electrical & Electrical Engineering	3	0	0	3
5	ES1203	Engineering Drawing	1	0	3	2.5
6	HS1203	Communication Skills Lab	0	0	2	1
7	BS1209	Engineering Physics Lab	0	0	3	1.5
8	ES1208	Electrical and Electronics Engineering lab	0	0	3	1.5
9	ES1220	Engineering Workshop & IT Workshop	0	0	2	1.5
10	PR1201	Engineering Exploration Project	0	0	3	1
<b>Total Credits</b>			<b>13</b>	<b>0</b>	<b>16</b>	<b>21</b>

**Total = 19 + 21 = 40**

Director (Ac)  
 Academic Planning  
 JNTUK Kakinada