



**Faculty of Engineering & Technology**  
**Department of Mechanical Engineering**  
**Course Name: Diploma in Mechanical Engineering**

**Faculty of Engineering & Technology**  
**Department of Applied Sciences &**  
**Humanities**

**Diploma Engineering-ME**

**Semester: I**

SNO	COURSE TITLE	COURSE CODE	TEACHING SCHEDULE PER WEEK				CREDITS	EVALUATION SCHEME						
			L	T	P	TOTAL		INTERNAL			EXTERNAL			All TOTAL
								Th.	Pr.	Tot.	Th.	Pr.	Tot.	
1	English	ENGL0111	2	0	2	4	5.5	40	25	65	60	50	110	175
2	Applied Mathematics-I	MATH0138	3	1	0	4	4.0	40	00	40	60	00	60	100
3	Applied Physics-I	PHYS0117	2	1	2	5	5.5	40	25	65	60	50	110	175
4	Engineering Graphics	MECH1103	1	0	2	3	3.0	40	25	65	60	25	85	150
5	Computer Fundamentals	CSEN1108	3	0	0	3	4.0	40	00	40	60	00	60	100
6	Information Technology Lab	CSEN1109	0	0	2	2	2.0	00	50	50	00	50	50	100
		<b>Total</b>	<b>11</b>	<b>02</b>	<b>08</b>	<b>21</b>	<b>24</b>	<b>200</b>	<b>125</b>	<b>325</b>	<b>300</b>	<b>175</b>	<b>475</b>	<b>800</b>

# MECHANICAL ENGINEERING

## Semester: II

SNO	COURSE TITLE	COURSE CODE	TEACHING SCHEDULE PER WEEK				CREDITS	EVALUATION SCHEME						
			L	T	P	TOTAL		INTERNAL			EXTERNAL			All TOTA
								Th	Pr.	Tot.	Th.	Pr.	Tot.	
1	Applied Mathematics-II	MATH0139	3	1	0	4	4.0	40	00	40	60	00	60	100
2	Applied Physics-II	PHYS0118	2	1	2	5	4.5	25	15	40	60	25	85	125
3	Applied Chemistry-I	CHEM0113	2	1	2	5	4.5	25	25	50	75	25	100	150
4	Fundamental of Electrical and Electronics Engg. /Applied Mechanics	ECEN0101/ MECH1104	2	0	2	4	5.5	40	25	65	60	50	110	175
5	Internet of Things & Artificial Intelligence Lab	CSEN1110	0	0	2	2	2.5	00	50	50	00	100	100	150
6	General Workshop Practice	MECH1105	0	0	3	3	2.0	00	50	50	00	50	50	100
		<b>Total</b>	<b>11</b>	<b>02</b>	<b>08</b>	<b>21</b>	<b>23</b>		125	325	300	175	475	<b>800</b>

# MECHANICAL ENGINEERING

## Semester: III

SNO	COURSE TITLE	COURSE CODE	TEACHING SCHEDULE PER WEEK				CREDITS	EVALUATION SCHEME						
			L	T	P	TOTAL		INTERNAL			EXTERNAL			All TOTAL
								Th.	Pr.	Total	Th.	Pr.	Total	
1	Strength of Materials	MECH2130	3	0	2	5	4	25	25	50	100	50	150	200
2	Thermodynamics-1	MECH 2131	3	0	2	5	4	25	25	50	100	50	150	200
3	Basics of Electrical and Electronics Engineering	ECEN2123	3	0	2	5	4	25	25	50	100	50	150	200
4	Mechanical Engineering Drawing	MECH2132	2	0	2	4	3	25	25	50	50	50	100	150
5	Workshop Technology-1	MECH2133	3	0	0	3	3	25	-	25	100	-	100	125
6	Workshop Practice-1	MECH2134	0	0	8	8	4	-	100	100	-	100	100	200
7	Soft Skills -I	VALU0151	0	0	2	2	-	-	25	25	-	-	-	25
		<b>Total</b>	<b>14</b>	<b>00</b>	<b>18</b>	<b>32</b>	<b>22</b>	150	175	300	450	300	750	1100

## MECHANICAL ENGINEERING

### Semester: IV

NO	COURSE TITLE	COURSE CODE	TEACHING SCHEDULE PER WEEK				CREDITS	EVALUATION SCHEME						
			L	T	P	TOTAL		INTERNAL			EXTERNAL			All TOTA
								Th.	Pr.	Tot.	Th.	Pr.	Tot.	
1	Computer Aided Drafting	MECH2135	0	0	4	4	2	0	50	50	0	50	50	100
2	Material and Metallurgy	MECH2136	4	0	2	6	5	25	25	50	100	50	150	200
3	Hydraulics and Pneumatics	MECH2137	3	0	2	5	4	25	25	50	100	50	150	200
4	Thermodynamics - II	MECH2138	3	0	2	5	4	25	25	50	100	50	150	200
5	Industrial Engineering	MECH2139	3	0	0	3	3	25		25	100	0	100	125
6	Workshop Technology-II	MECH2140	4	0	0	4	4	25	-	25	100	-	100	125
7	Workshop Practice-II	MECH2141	0	0	6	6	3	-	100	100	-	100	100	200
8	Soft Skills -II	VALU0152	0	0	2	2	-	-	25	25	-	-	-	25
		<b>Total</b>	<b>17</b>	<b>00</b>	<b>18</b>	<b>35</b>	<b>25</b>	125	250	375	500	300	800	1175

### INDUSTRIAL TRAINING:

After examination of 4<sup>th</sup> semester, the students shall go for training in a relevant industry/field organization for a minimum period of 8 weeks and will prepare a diary. It shall be evaluated during 5<sup>th</sup> semester by his/her teachers for 100 marks. The students shall also prepare a report at the end of training and shall present it in a semester, which will be evaluated for another 100 marks. This evaluation will be done by HOD and lecturer in—charge – training in the presence of one representative from industry/Sector skill council/training and placement officer/subject expert from other institution.