

**KIET GROUP OF INSTITUTIONS**

**(An Autonomous Institution, Affiliated to AKTU, Lucknow, UP)**

Approved by AICTE, New Delhi

Delhi-NCR, Ghaziabad-Meerut Road, Ghaziabad-201206

**Mechanical Engineering (ME)**

**EVALUATION SCHEME**

**Effective from the Session: 2024-25**

### B.Tech (ME) 1<sup>st</sup> Sem

S No.	Course Type	BOS	Subject Code	Subject Name	Type	Academic Learning (AL)			Continuous Internal Examination (CIE)			End Sem Examination (ESE)	Total	Credits
						L	T	P	MSE	CA	TOTAL			
1	BS	AS	K24MA101L	Calculus for Engineers	T	3	1	0	80	20	100	100	200	4
2	BS	AS	K24PH101L	Semiconductor Physics and Devices	T	3	0	0	60	15	75	75	150	3
3	ES	IT	K24IT101L	Programming For Problem Solving	T	3	0	0	60	15	75	75	150	3
4	ES	EEE	K24EN102L	Explorations in Electrical Engineering	T	2	0	0	40	10	50	50	100	2
5	ES	EEE	K24EN101L	IoT and Embedded Systems	T	2	0	0	40	10	50	50	100	2
6	PW	CSIT	K24IT102L	Design Thinking	T	1	0	0	40	10	50	-	50	1
<b>Lab/Practical</b>														
7	BS	AS	K24PH101P	Semiconductor Physics and Devices Lab	L	0	0	2	-	25	25	25	50	1
8	ES	IT	K24IT101P	Programming For Problem Solving Lab	PBL	0	0	4	-	50	50	50	100	2
9	ES	EEE	K24EN102P	Explorations in Electrical Engineering Lab	L	0	0	2	-	25	25	25	50	1
10	ES	EEE	K24EN101P	IoT and Embedded Systems Lab	PBL	0	0	2	-	25	25	25	50	1
11	HS	ASH	K24HS101P / K24FLXXXP	Communication Skills / Foreign Language	B	0	0	4	80	20	100	-	100	2
12	MC	ASH	K24HSXXXP	Self-Growth/ Indian Knowledge System	B	0	0	2	-	-	-	-	-	NC
<b>Induction</b>														
13	MC	ASH	K24HS102P	Career Pathway*	-	0	0	2*	-	-	-	-	-	NC
14	MC	EEE	K24EN106P	Ethics & Professional Competency*	-	0	0	2*	-	-	-	-	-	NC
<b>Total Hours = 31 hrs.</b>						<b>14</b>	<b>1</b>	<b>16</b>	<b>400</b>	<b>225</b>	<b>625</b>	<b>475</b>	<b>1100</b>	<b>22</b>

- IoT and Embedded Systems, Design Thinking, Self-Growth and Indian Knowledge System will be evaluated through activity-based assessments
- Self Growth: Yoga Activities/ NSS/NCC/Sports etc.
- Indian Knowledge System: Indian Aesthetics (including Music and Music Instruments)/ Strategic Lessons from Bhagavad Gita/Leadership from Ramayana/Ayurved/Astronomy/ Astrology/Indian Vision for Human Society (Vishva Kalyan thru Vasudhaiva Kutumbkam)/Sanskrit/ Vedic Math/ Classical Dance etc.

### B. Tech (ME) 2<sup>nd</sup> Sem

S No.	Course Type	BOS	Subject Code	Subject Name	Type	Academic Learning (AL)			Continuous Internal Examination (CIE)			End Sem Examination (ESE)	Total	Credits
						L	T	P	MSE	CA	TOTAL			
1	BS	AS	K24MA103L	Differential Equations & Complex Integration	T	3	1	0	80	20	100	100	200	4
2	BS	AS	K24CH101L	Environmental Chemistry	T	2	0	0	40	10	50	50	100	2
3	ES	CSE	K24CS101L	Data Structure	T	3	0	0	60	15	75	75	150	3
4	ES	ME	K24ME101L	Design & Realization	T	2	0	0	40	10	50	50	100	2
5	PC	EEE	K24EN103L	Emerging Technologies for Engineers	T	2	0	0	40	10	50	50	100	2
6	PC	ME	K24ME102L	Engineering Mechanics	T	2	0	0	40	10	50	50	100	2
<b>Lab/Practical</b>														
7	ES	CSE	K24CS101P	Data Structures Lab	PBL	0	0	2	-	25	25	25	50	1
8	ES	ME	K24ME101P	Design & Realization Lab	PBL	0	0	2	-	25	25	25	50	1
9	PC	EEE	K24EN103P	Emerging Technologies for Engineers Lab	L	0	0	2	-	25	25	25	50	1
10	ES	CSE(AIML)	K24ML101P	Python for Engineers	PBL	0	0	4	-	50	50	50	100	2
11	HS	ASH	K24FLXXXP/ K24HS101P	Foreign Language / Communication Skills	B	0	0	4	80	20	100	-	100	2
12	PW	TBI	K24IE101P	Innovation and Entrepreneurship	PBL	0	0	2	-	50	50	-	50	1
13	MC	ASH	K24HSXXXP	Indian Knowledge System/ Self-Growth	B	0	0	2	-	-	-	-	-	NC
<b>Total Hours = 33 hrs.</b>						<b>14</b>	<b>1</b>	<b>18</b>	<b>380</b>	<b>270</b>	<b>650</b>	<b>500</b>	<b>1150</b>	<b>23</b>

- Innovation and Entrepreneurship, Indian Knowledge System and Self Growth will be evaluated through activity-based assessments.
- Self Growth: Yoga Activities/ NSS/NCC/Sports etc.
- Indian Knowledge System: Indian Aesthetics (including Music and Music Instruments)/ Strategic Lessons from Bhagavad Gita/Leadership from Ramayana/Ayurved/Astronomy/ Astrology/Indian Vision for Human Society (Vishva Kalyan thru Vasudhaiva Kutumbkam)/Sanskrit/ Vedic Math/ Classical Dance etc.
- Summer Internship (4-week) on Social Problems during summer break after Semester-2 and same will be assessed/evaluated in the Semester-3