

DR. A. P. J. ABDUL KALAM TECHNICAL UNIVERSITY
LUCKNOW, UTTAR PRADESH



EVALUATION SCHEME

FOR

B.TECH. 3rd YEAR

MECHANICAL ENGINEERING

[Effective from Session: 2024-25]

B. Tech. Mechanical Engineering Evaluation Scheme

SEMESTER-V													
Sl. No.	Code	Revised Subject	Type	Category	Period			Evaluation Scheme			End Semester	Total	Credits
					L	T	P	CT	TA	Total			
1	BME 501	Heat & Mass Transfer	T	PC	3	1	0	20	10	30	70	100	4
2	BME 502	Machine Design	T	PC	3	1	0	20	10	30	70	100	4
3	BME 503	Industrial Engineering	T	PC	3	1	0	20	10	30	70	100	4
4		Departmental Elective-I	T	PE	3	0	0	20	10	30	70	100	3
5		Departmental Elective-II	T	PE	3	0	0	20	10	30	70	100	3
6	BME 551	Heat Transfer Lab	P	PC	0	0	2		50	50	50	100	1
7	BME 552	Machine Design Lab	P	PC	0	0	2		50	50	50	100	1
8	BME 553	Internet of Things Lab	P	PC	0	0	2		50	50	50	100	1
9	BME 554	Mini Project/Internship Assessment*	P		0	0	2		50	50	50	100	1
10	BNC501/ BNC502	Constitution of India, Law and Engineering / Indian Tradition, Culture and Society	T	VA/HS	2	0	0	15	10	25	50		NC
11	MOOCs (Essential for Hons. Degree)												
	Total				17	3	8					900	22

*The Mini Project or internship (4-5 weeks) conducted during summer break after IV semester and will be assessed during V semester.

B. Tech. Mechanical Engineering Evaluation Scheme

SEMESTER-VI													
Sl. No.	Code	Revised Subject	Type	Category	Period			Evaluation Scheme			End Semester	Total	Credits
					L	T	P	CT	TA	Total	TE / PE		
1	BME 601	Refrigeration & Air Conditioning	T	PC	3	1	0	20	10	30	70	100	4
2	BME 602	CAD/CAM	T	PC	3	1	0	20	10	30	70	100	4
3	BME 603	Theory of Machines	T	PC	3	1	0	20	10	30	70	100	4
4		Departmental Elective-III	T	PE	3	0	0	20	10	30	70	100	3
5		Open Elective-I	T	OE	3	0	0	20	10	30	70	100	3
6	BME 651	Refrigeration & Air Conditioning Lab	P	PC	0	0	2		50	50	50	100	1
7	BME 652	CAD/ CAM Lab	P	PC	0	0	2		50	50	50	100	1
8	BME 653	Theory of Machines Lab	P	PC	0	0	2		50	50	50	100	1
9	BNC601/ BNC602	Constitution of India, Law and Engineering / Indian Tradition, Culture and Society	T	VA/HS	2	0	0	15	10	25	50		NC
10	MOOCs (Essential for Hons. Degree)												
	Total				17	3	6					800	21

Departmental Electives

		Specialization-1	Specialization-2	Specialization-3	Specialization-4
Semester	Specialization	Manufacturing & Automation	Thermal Engineering	Design Engineering	Automobile Engineering
V	Departmental Elective-I	BME 051	BME 052	BME 053	BAU051
		Advance Manufacturing Processes	I C Engine Fuel & Lubrication	Finite Element Methods	Automobile Engines & Combustion
	Departmental Elective-II	BME 054	BME 055	BME 056	BAU052
		Mechatronic Systems	Turbo Machines	Mechanical Vibrations	Automotive Chassis & Suspension
VI	Departmental Elective-III	BME 061	BME 062	BME 063	BAU061
		Industrial Robotics	Computational Fluid Dynamics	Tribology	Automotive Electrical & Electronics