

**DR. A.P.J. ABDUL KALAM TECHNICAL
UNIVERSITY LUCKNOW**



**STUDY & EVALUATION SCHEME WITH
SYLLABUS**

FOR

**B. TECH 4th YEAR
MECHANICAL ENGINEERING**

ON

CHOICE BASED CREDIT SYSTEM

(EFFECTIVE FROM THE SESSION: 2019-20)

SEVENTH SEMESTER

Sl.No.	Subject Code	Subject Name	Department	L-T-P	Th/Lab Marks	Sessional		Total	Credit
						ESE	CT TA		
1		OPEN ELECTIVE COURSE-1	Other Deptt.	3-0-0	70	20	10	100	3
2		DEPTT ELECTIVE COURSE-3	Core Deptt.	3-0-0	70	20	10	100	3
3		DEPTT ELECTIVE COURSE-4	Core Deptt.	3-1-0	70	20	10	100	4
4		CAD/CAM	Core Deptt.	3-1-0	70	20	10	100	4
5		Automobile Engineering	Core Deptt.	3-0-0	70	20	10	100	3
6		CAD/CAM Lab	Core Deptt.	0-0-2	50		50	100	1
7		IC Engine & Automobile Lab	Core Deptt.	0-0-2	50		50	100	1
8		INDUSTRIAL TRAINING	Core Deptt.	0-0-3			100	100	2
9		PROJECT-1	Core Deptt.	0-0-6			200	200	3
TOTAL					450	100	450	1000	24

DEPARTMENTAL ELECTIVE-3	
Sl.No.	Subject Name
1	Composite Materials
2	Power Plant Engineering
3	Supply Chain Management
4	Additive Manufacturing

DEPARTMENTAL ELECTIVE-4	
Sl.No.	Subject Name
1	Operation Research
2	Modelling & Simulation
3	Computational Fluid Dynamics
4	Automation & Robotics

EIGHT SEMESTER

Sl.No.	Subject Code	Subject Name	Department	L-T-P	Th/Lab Marks	Sessional		Total	Credit
						ESE	CT TA		
1		OPEN ELECTIVE COURSE-2	Other Deptt.	3-0-0	70	20	10	100	3
2		DEPTT ELECTIVE COURSE-5	Core Deptt.	3-1-0	70	20	10	100	4
3		DEPTT ELECTIVE COURSE-6	Core Deptt.	3-0-0	70	20	10	100	3
4		SEMINAR	Core Deptt.	0-0-3			100	100	2
5		PROJECT-2	Core Deptt.	0-0-12	350		250	600	12
TOTAL					560	60	380	1000	24

- Students who was not-place in any company, it is mandatory to select any one subject from DE-5 & 6.
- Students who was place in any company, it is mandatory to select MOOC subject in both DE-5 & 6.

DEPARTMENTAL ELECTIVE-5	
Sl.No.	Subject Name
1	Non-Destructive Testing
2	Advance Welding
3	Thermal Turbo Machine
4	Energy Conservation & Management

DEPARTMENTAL ELECTIVE-6	
Sl.No.	Subject Name
1	Total Quality Management
2	Gas Dynamics & Jet Propulsion
3	Design & Transmission System
4	Theory of Elasticity.

OR

OR

Sl.No.	MOOC Subject Name
5	Industrial Safety Engineering.

Sl.No.	MOOC Subject Name
5	Manufacturing of Composites.