

**BACHELOR OF TECHNOLOGY
IN
MECHANICAL ENGINEERING**
(Applicable from the academic session 2018-2019)



Maulana Abul Kalam Azad University of Technology,
West Bengal
(Formerly West Bengal University of Technology) Haringhata-
741249, Nadia, West Bengal, INDIA

Fourth Year Eighth Semester							
Sl No.	Category	Subject Code	Subject Name	Total No. of contact hours			Credits
				L	T	P	
Theory							
1	Professional Elective courses	PE-ME801	Elective V	3	0	0	3
2	Professional Elective courses	PE-ME802	Elective VI	3	0	0	3
3	Open Elective courses	OE-ME 801	Open Elective-II	3	0	0	3
4	Open Elective courses	OE-ME 802	Open Elective- III	3	0	0	3
	Total Theory			12	0	0	12
Practical/ Sessional							
1	Project	PW-ME881	Project-IV	0	0	10	5
2	Professional Core courses	PW-ME882	Comprehensive viva	0	0	0	1.5
	Total Practical			0	0	10	6.5
	Total of Eighth Semester			12	0	10	18.5
Total Credit							160

List of Professional Electives in Semester VIII for (Elective-V) PE-ME801
and (Elective-VI) PE-ME802

Subject Code	Subject name
Thermo-Fluid Group	
A	Analysis and Performance of Fluid Machines
B	Power Plant Engineering
C	Cryogenics
D	Introduction to Wind Engineering
Design Group	
E	Tribology
F	3D Printing and Design
Manufacturing Group	
G	Micro and Nano Manufacturing
H	Process Planning and Cost Estimation
I	Maintenance Engineering

List of Open Electives (OE-ME801 and OE-ME802) in Semester VIII

Subject Code	Subject Name
A	Total Quality Management
B	Entrepreneurship Development
C	Safety and Occupational Health
D	Industrial Pollution and Control
E	Energy Conservation and Management
F	Waste to Energy- An Overview
G	Automation & Control
H	Internet of Things (IoT)
I	Block Chain
J	Cyber Security
K	Quantum Computing
L	Data Sciences
M	Virtual Reality (VR)

Note: If a student chooses the paper, Industrial Engineering (Code: A) as an Open Elective-I in Semester VII, its paper code will be OE-ME701A.

