



BRAINWARE UNIVERSITY
DEPARTMENT OF MECHANICAL ENGINEERING
M. Tech in Mechanical Engineering- Manufacturing Technology

Mandatory Induction Program (Duration: 1 week)

- Physical activity
- Creative Arts
- Universal Human Values
- Literary
- Proficiency Modules
- Lectures by Eminent People
- Visits to local Areas
- Familiarization to Dept./Branch & Innovations

Different components of the Mandatory Induction Program will be implemented as per the guidelines of Regulatory Bodies.

Semester I

Course Code	Course Name	L- T - P	Credits	Total Marks
BSC-MMT101	Mathematical Methods for Engineers	3-0-0	3	100
PCC-MMT101	Advanced Machining Science	3-0-0	3	100
PCC-MMT102	Advanced Metrology & Computer Aided Inspection	3-0-0	3	100
PEC- MMT101A/B	Program Elective - I A. Additive Manufacturing B. Tool Engineering & Design	3-0-0	3	100
PEC-MMT102A/B	Program Elective – II A. Advanced Joining Technologies B. Micro Machining	3-0-0	3	100
Practical				
PCC-MMT191	Manufacturing Technology Laboratory	0-0-3	2	100
	Total		17	600
MC-MMT181A/B	Audit Course I A. Research Paper Writing B. Constitution of India	0-2-0	0	100



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Semester II

Course Code	Course Name	L-T-P	Credits	Total Marks
PCC-MMT201	Modern Machining Processes	3-0-0	3	100
PCC-MMT202	Industrial Automation & Robotics	3-0-0	3	100
PEC-MMT201A/B	Program Elective - III A. Quality Engineering & Management B. Design for Manufacture & Assembly	3-0-0	3	100
PEC-MMT202A/B	Program Elective – IV A. Metal Casting and Joining B. Six Sigma	3-0-0	3	100
Practical				
PCC-MMT291	CAD/CAM Laboratory	0-0-3	2	100
PCC-MMT281	Seminar/ Mini Project	0-0-6	3	100
Total			17	600
MC-MMT281A/B	Audit Course II A. Value Education B. Disaster Management	0-2-0	0	100



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Semester III

Course Code	Course Name	L-T-P	Credits	Total Marks
PCC-MMT301	Research Methodology	3-0-0	3	100
PEC-MMT301A/B	Program Elective – V A. Energy from Waste B. Industrial Safety	3-0-0	3	100
PROJ-MMT381	Dissertation-I	0-0-24	12	100
	Total		18	300

Semester IV

Course Code	Course Name	L-T-P	Credits	Total Marks
PROJ-MMT481	Dissertation-II	0-0-28	14	100
MMT482	Grand Viva	0-0-0	4	100
	Total		18	200

Total Credit -70
Total marks -1700