

**MAULANA AZAD NATIONAL INSTITUTE OF TECHNOLOGY
BHOPAL – 462003
REVISED SCHEME FOR BATCH ADMITTED IN 2019**

Department of Materials & Metallurgical Engineering

B. Tech. (Materials & Metallurgical Engineering)

SEVENTH SEMESTER

Course Code	Course Name	Scheme of Studies Periods per week			Credits
		L	T	P	
MME 411	Corrosion and Surface Engineering	3	-	-	3
	Department Elective-5(A)	3	-	-	3
	Department Elective-6(A)	3	-	-	3
	Department Elective-7(A)	3	-	-	3
	Open Elective-3(C)	3	-	-	3
	Open Elective-4(C)	3	-	-	3
MME 412	Corrosion and Surface Engineering Lab	-	-	2	1
MME 413	Major Project Phase 1	-	3	2	4
MME 414	Educational Tour & Training	-	-	2	1
Total Hours =27		18	3	6	24

EIGHTH SEMESTER

Course Code	Course Name	Scheme of Studies Periods per week			Credits
		L	T	P	
	Department Elective-8(A)	3	-	-	3
	Department Elective-9(A)	3	-	-	3
	Department Elective-10(A)	3	-	-	3
MME 421 / MME 422	Major Project Phase 2 / Internship	-	-	12	6
MME 423	General Proficiency	-	-	-	1
Total Hours =21		9	-	12	16

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LIST OF ELECTIVES

List of Department Electives - A	
1.	MME 431 Functional Materials
2.	MME 432 Materials for Strategic Applications
3.	MME 433 Comprehensive Examinations and Presentation in Materials Engineering
4.	MME 434 High Temperature Materials
5.	MME 435 Plasma Processing of Materials
6.	MME 436 Heat and Mass Transfer
7.	MME 437 Additive Manufacturing
List of Open Electives - C	
1.	MME 451 Materials for Automobile and Aerospace Applications
2.	MME 452 Advanced Ceramic Materials
3.	MME 453 Failure Analysis
4.	MBA 2402 Project Management
5.	CHE 452 Solid Waste Management
6.	ME 458 Finite Element Methods
7.	ME 459 Experimental Stress Analysis
8.	ME 461 Advanced Production Engineering