

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

Department of Civil Engineering

B. Tech. (Civil Engineering)

SEVENTH SEMESTER

Course Code	Course Name	Scheme of Studies Periods per week			Credits
		L	T	P	
CE 411	Wastewater Engineering	3	-	-	3
CE 412	Transportation Engineering - II	3	-	-	3
	Department Elective-5(A)	3	-	-	3
	Department Elective-6(A)	3	-	-	3
	Open Elective-3(C)	3	-	-	3
	Open Elective-4(C)	3	-	-	3
CE 413	Water and Wastewater Analysis Lab	-	-	2	1
CE 414	Major Project Phase 1	-	3	2	4
CE 415	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-7(A)	3	-	-	3
	Department Elective-8(A)	3	-	-	3
	Department Elective-9(A)	3	-	-	3
CE 421 / CE 422	Major Project Phase 2 / Internship	-	-	12	6
CE 423	General Proficiency	-	-	-	1
Total Hours =21		9	-	12	16

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LIST OF ELECTIVES

List of Department Electives - A	
1.	CE 431 Reinforced Earth and Geo-Synthetics Engineering
2.	CE 432 Modern Foundations
3.	CE 433 Earthquake Resistant Design of Structures
4.	CE 434 Software Applications in Geotechnical Engineering
5.	CE 435 Advanced Reinforced Concrete Design
6.	CE 436 Hydro Power Engineering
7.	CE 437 Sediment Transport Engineering
8.	CE 438 Analysis & Design of Substructures
9.	CE 439 Advanced Structural Analysis
10.	CE 441 Theory of Plastic Analysis
11.	CE 442 Hydraulic Structures
12.	CE 443 Site Investigation & Ground Improvement
13.	CE 444 Soil Dynamics & Machine Foundation
14.	CE 445 Hazardous Waste Management and Risk Analysis
15.	CE 446 Advanced Highway Constructions
16.	CE 447 Pavement Design
17.	CE 448 Design of Steel - Concrete Composite Structures
18.	CE 449 Bridge Design
19.	CE 450 Environmental Impact Assessment
List of Open Electives - C	
1.	CE 451 Fluid Measurement Systems
2.	CE 452 Fluid Power Systems
3.	CE 453 Computational Fluid Dynamics
4.	CE 454 Road Safety Engineering
5.	CE 455 Digital Processing of Remote Sensing Data
6.	CE 456 Water Resources Systems
7.	CE 457 Environmental Legislation
8.	CE 459 Advanced Geology
9.	CE 461 Construction Project Management
10.	CE 462 Experimental Stress Analysis
11.	CE 463 Disaster Mitigation and Management
12.	CE 464 Digital Mapping and Cartography
13.	CE 465 Industrial Waste Treatment
14.	CE 466 Analysis & Design of Piping System
15.	CE 467 Organizational Behavior
16.	CE 468 Global Environmental Issues & Sustainable Development
17.	CE 469 Building Design Studio
18.	CE 470 Air Pollution and Control