

**Curriculum of B.Tech. Program  
in  
Civil Engineering**

**(from AY 2023-24 onwards)**



**Indian Institute of Technology Indore**

## 2<sup>nd</sup> Year B.Tech. (Civil Engineering)

### Semester III

Course Code	Course Title	Weekly Contact Hours (L-T-P)	Credits
ZZ 3xx	Course-I for Minor Program	X-X-X	3
MA 205	Complex Analysis	3-1-0 (1/2 semester)	2
MA 207	Differential Equations-II	3-1-0 (1/2 semester)	2
CE 205	Strength of Materials	2- 1- 0	3
CE 203N	Fluid Mechanics	2- 1- 0	3
CE 253N	Fluid Mechanics Lab	0- 0- 3	1.5
CE 207	Building Materials	2- 0- 2	3
CE 209	Surveying	2- 1- 0	3
CE 255	Strength of Materials Lab	0- 0- 2	1
CE 259	Surveying Lab	0- 0- 2	1
CE 2XX	<b>Department Elective (DE-1)</b>	x-x-x	3
<b>Total</b>			<b>22.5/25.5</b>

### Semester III – Elective Courses

Semester	Course Code	Course Title	Weekly Contact Hours (L-T-P)	Credits
III (DE-1)	CE 211	Smart Cities	2-1-0	3
	CE 213	Optimization Methods in Civil Engineering	2-1-0	3

### Semester IV

Course Code	Course Title	Weekly Contact Hours (L-T-P)	Credits
ZZ XXX	Course-II for Minor Program	X-X-X	3
MA 204N	Numerical Methods	2-0-2	3
CE 210	Structural Analysis-I	2- 1- 0	3
CE 212	Soil Mechanics-I	2- 1- 0	3
CE 214	Engineering Geology	2- 0- 2	3
CE 252	Soil Mechanics Lab-I	0- 0- 2	1
CE 218	Environmental Engineering	2- 1- 0	3
CE 258	Environmental Engineering Lab	0- 0- 2	1
CE 2XX	<b>Department Elective (DE-2)</b>	x-x-x	3
ZZ XXX	Institute Elective-1	x-x-x	3
<b>Total</b>			<b>23 /26</b>

### Semester IV-Elective Courses

Semester	Course Code	Course Title	Weekly Contact Hours (L-T-P)	Credits
IV (DE-2)	CE 220	Water Resources Planning and Management	2-1-0	3
	CE 222	Estimation and Costing	2-1-0	3