

3.1.2	CO - PO Matrices of courses selected in 3.1.1 (Six matrices to be mentioned; one per semester from 3rd to 8th semester)	05
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Course Name: Strength of Materials-I (3CE1A)	Year of Study: 2017 -18
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SOM - I (3CE1A)	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12
C201.1	H	H	M	M	L	L	L	M	M	M	M	H
C201.2	H	H	L	M	L	M	L	H	L	L	M	M
C201.3	H	H	M	L	L	M	H	M	H	M	H	H
C201.4	H	H	M	M	L	H	-L	M	M	L	M	M

Course Name: Civil Engineering Materials (3CE2A)	Year of Study: 2017 -18
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CEM- I (3CE2A)	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12
C202.1	H	L	L	M	L	M	M	L	H	M	H	H
C202.2	H	L	L	M	L	M	M	L	H	M	H	H
C202.3	H	L	L	L	L	M	M	L	H	M	H	H
C202.4	H	L	L	L	L	M	-M	L	H	M	M	H

Course Name: Engineering Geology (3CE3A)	Year of Study: 2017 -18
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EG- I (3CE3A)	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12
C203.1	H	L	L	L	L	H	H	M	L	L	H	H
C203.2	H	L	L	L	L	H	H	M	L	L	H	H
C203.3	H	H	M	M	M	L	L	L	L	M	L	H
C203.4	H	L	L	L	L	H	-L	L	L	L	L	H

Course Name: : **Construction Technology** (3CE4A)

Year of Study: 2017 -18

CT - I (3CE4A)	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12
C204.1	H	L	H	M	H	H	H	H	H	H	H	H
C204.2	H	L	H	M	H	H	H	M	H	H	M	H
C204.3	H	L	H	M	H	H	M	M	H	H	H	H
C204.4	H	L	M	M	H	H	H	H	H	H	H	H

Course Name: **Fluid Mechanics** (3CE5A)

Year of Study: 2017 -18

FM (3CE5A)	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12
C205.1	H	L	H	M	H	H	H	H	H	H	H	H
C205.2	H	L	H	M	H	H	H	M	H	H	M	H
C205.3	H	L	H	M	H	H	M	M	H	H	H	H
C205.4	H	L	M	M	H	H	-H	H	H	H	H	H

Course Name: **Advanced Engineering Mathematics**
(3CE6A)

Year of Study: 2017 -18

AEM (3CE6A)	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12
C206.1	H	H	M	L	L	L	L	L	M	M	M	M
C206.2	H	H	M	L	L	L	L	L	M	M	M	M
C206.3	H	H	M	L	L	L	L	L	M	M	M	M
C206.4	H	H	M	H	L	L	L	L	M	M	M	M

4th Semester

Course Name: **Building Designing-I**

Year of Study: 2017 -18

CO/P O	PO 1	PO 2	PO 3	PO 4	PO 5	PO 6	PO 7	PO 8	PO 9	PO1 0	PO1 1	PO1 2
CO1	H	-	-	M	-	M	M	-	M	M	-	H
CO2	H	M	-	H	-	H	H	-	H	M	-	H
CO3	H	M	M	-	-	H	H	-	H	H	-	H
CO4	H	-	M	L	-	H	-	-	H	M	H	H

Course Name: **Strength of Material-II**

Year of Study: 2017 -18

CO/PO	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12
CO1	H	M	M	L	L	M	-	-	L	M	-	M
CO2	H	H	H	M	H	M	H	M	H	H	H	H
CO3	H	M	M	L	L	M	-	-	L	M	-	M
CO4	H	M	M	L	M	M	-	-	-	M	M	M

Course Name: **Surveying-I**

Year of Study: 2017 -18

CO/PO	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12
CO1	H	M	-	-	-	M	-	M	-	M	-	M
CO2	H	M	M	M	H	M	M	L	H	H	M	H
CO3	H	H	-	M	M	M	M	M	H	H	H	H
CO4	H	H	-	M	M	M	M	M	H	H	H	H

Course Name: **Quantity Surveying & Valuation**

Year of Study: 2017 -18

CO/PO	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12
CO1	H	M	M	H	-	M	-	-	M	M	M	H
CO2	H	M	-	H	L	H	L	L	M	L	-	M
CO3	H	H	H	M	-	H	M	L	M	L	M	M
CO4	H	H	H	M	L	H	H	L	H	H	H	L

Course Name: **Hydraulics & Hydraulic
Machines**

Year of Study: 2017 -18

CO/PO	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12
CO1	H	M	M	H	-	M	-	-	M	M	M	H
CO2	H	M	-	H	L	H	L	L	M	L	-	M
CO3	H	H	H	M	-	H	M	L	M	L	M	M
CO4	H	H	H	M	L	H	H	L	H	H	H	L

5th Semester

Course Name: **Theory of Structures-I (5CE1A)**

Year of Study: 2017 -18

TOS (5CE1A)	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12
C301.1	H	H	L	L	H	H	M	L	H	H	L	H
C301.2	H		L	L	H	H	M	L	L	H	L	H
C301.3	H	H	L	L	H	M	M	L	H	H	L	H
C301.4	H	H	L	L	H	H	M	L	L	H	L	H

Course Name: **Environment Engineering-I (5CE2A)**

Year of Study: 2017 -18

EE-I (5CE2A)	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12
C302.1	H	L	L	L	L	H	H	H	M	M	M	H
C302.2	H	M	H	M	L	L	M	M	M	L	L	H
C302.3	H	M	H	H	M	H	H	H	M	M	H	H
C302.4	H	H	H	H	H	H	-M	H	H	M	H	H

Course Name: **Geotechnical Engineering (5CE3A)**

Year of Study: 2017 -18

GT (5CE3A)	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12
C303.1	H	H	L	H	M	M	M	H	H	H	M	H
C303.2	H	M	H	M	H	M	H	M	H	H	M	M
C303.3	H	M	H	H	M	H	H	M	M	H	M	H
C303.4	H	H	L	H	H	H	-H	H	H	H	M	H

Course Name: Surveying-II (5CE4A)	Year of Study: 2017 -18
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SUR. (5CE4A)	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12
C304.1	H	M	L	M	L	H	M	H	H	H	M	H
C304.2	H	H	M	H	M	H	M	M	H	M	H	H
C304.3	H	M	L	M	L	H	M	H	H	H	M	H
C304.4	L	L	L	H	L	H	M	H	L	M	L	H

Course Name: Building Design (5CE5A)	Year of Study: 2017 -18
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BD (5CE5A)	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12
C305.1	H	H	H	H	H	M	H	M	M	L	L	H
C305.2	H	M	H	H	M	L	H	L	M	L	L	M
C305.3	H	M	H	H	H	M	H	M	M	L	L	L

Course Name: Solid Waste Management (5CE6.3A)	Year of Study: 2017 -18
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SWM (5CE6.3A)	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12
C306.1	H	M	L	L	L	M	H	H	L	M	L	H
C306.2	H	L	L	M	M	H	H	H	H	M	M	H
C306.3	H	L	M	M	H	H	H	H	H	M	M	H
C306.4	H	L	M	M	H	H	H	H	H	M	H	H

6th Semester

Course Name: **Theory of Structure-II**

Year of Study: 2017 -18

CO/PO	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12
CO1	H	H	M	H	-	M	-	-	H	H	M	H
CO2	H	H	-	H	L	H	M	L	M	M	-	M
CO3	H	-	H	-	-	H	M	L	M	L	M	M
CO4	H	H	H	M	M	H	H	L	H	H	H	L

Course Name: **Environmental Engg.-II**

Year of Study: 2017 -18

CO/PO	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12
CO1	H	L	-	-	-	M	-	-	-	L	-	M
CO2	H	H	H	-	-	M	-	-	-	L	-	M
CO3	H	M	H	M	M	H	-	L	M	L	-	M
CO4	H	H	H	H	M	M	M	-	H	M	-	H

Course Name: **Design of Concrete Structure-I**

Year of Study: 2017 -18

CO/PO	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12
CO1	H	M	M	L	-	M	-	M	L	-	-	H
CO2	H	H	H	H	M	H	L	L	M	M	H	H
CO3	H	H	H	H	H	H	L	L	M	M	H	H
CO4	H	H	H	H	H	H	L	L	M	M	M	H

Course Name: **Geotechnical Engineering-II**

Year of Study: 2017 -18

CO/PO	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12
CO1	H	H	M	L	-	L	-	L	L	L	L	H
CO2	H	H	L	H	M	H	-	L	M	L	L	H
CO3	H	H	M	H	-	M	-	-	M	M	L	H
CO4	H	M	H	M	L	H	-	L	M	M	L	H

7th Semester

Course Name: **Water Resources Engineering** (7CE1A)

Year of Study: 2017 -18

WRE (7CE1A)	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12
C401.1	H	M	M	H	M	M	M	H	H	M	M	H
C401.2	H	H	H	M	M	L	M	M	H	M	L	M
C401.3	M	M	H	M	L	M	M	L	M	L	M	M
C401.4	M	H	M	M	H	M	M	L	M	M	H	M

Course Name: **Design of Steel Structures-I** (7CE2A)

Year of Study: 2017 -18

DSS-I (7CE2A)	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12
C402.1	H	H	H	H	M	H	H	L	H	H	L	H
C402.2	H	H	H	M	M	H	M	L	H	H	L	H
C402.3	H	H	H	H	M	H	M	L	H	H	M	H
C402.4	H	H	H	M	M	H	H	L	H	H	M	H

Course Name: **Design of Concrete Structures-II** (7CE3A)

Year of Study: 2017 -18

DCS-II (7CE3A)	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12
C403.1	H	H	H	H	L	M	M	M	H	L	M	H
C403.2	H	H	H	H	H	M	M	M	H	M	M	M
C403.3	H	H	H	H	L	M	M	M	H	M	M	M
C403.4	M	M	M	M	M	L	L	L	M	M	M	H

Course Name: **Transportation 2 (7CE4A)**

Year of Study: 2017 -18

TE-II (7CE4A)	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12
C404.1	H	H	M	M	M	H	M	H	M	M	L	H
C404.2	M	M	L	H	M	H	H	M	M	M	M	H
C404.3	H	H	H	H	L	H	M	M	H	H	H	H
C404.4	H	M	L	M	H	L	M	M	H	H	H	M

Course Name: **Application of Numerical Methods in
Civil Engineering (7CE5A)**

Year of Study: 2017 -18

ANMCE (7CE5A)	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12
C405.1	H	H	M	L	M	L	L	L	M	M	M	M
C405.2	H	H	M	L	M	L	L	L	M	M	M	M
C405.3	H	H	M	L	M	L	L	L	M	M	M	M
C405.4	H	H	H	L	M	L	L	L	M	M	M	M

Course Name: **Advance Transportation Engineering (7CE6.1A)**

Year of Study: 2017 -18

ATE (7CE6.1A)	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12
C406.1	H	H	M	M	M	L	M	H	M	M	L	M
C406.2	H	M	M	L	M	M	M	M	L	M	M	H
C406.3	M	M	H	M	L	H	M	L	H	M	H	H
C406.4	M	L	H	M	H	L	M	L	M	H	L	H
C406.5	M	L	H	M	M	H	L	M	L	M	L	H

8th Semester

Course Name: **Project Planning and Construction Management**

Year of Study: 2017 -18

CO/PO	PO-1	PO-2	PO-3	PO-4	PO-5	PO-6	PO-7	PO-8	PO-9	PO-10	PO-11	PO-12
Co-1	H	L		M	-	M	-	M	H	L	H	M
CO-2	H	H		H	-	-	-	-	H	M	H	M
CO-3	H	H	L		-	-	-	M	-	M	H	M
CO-4	H				M	H	M		M	H	H	M

Course Name: **Water Resources Engineering-II**

Year of Study: 2017 -18

CO/PO	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12
CO1	H	H	M	---	---	---	---	---	---	---	---	M
CO2	H	H	M	---	---	---	---	---	---	---	---	M
CO3	M	---	---	---	---	M	M	M	---	---	---	M
CO4	M	H	---	H	H	H	H	H	---	---	M	H

Course Name: **Advance Foundation Engineering**

Year of Study: 2017 -18

CO/PO	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12
CO1	H	H	M	L	-	L	-	L	L	L	L	H
CO2	H	H	L	H	M	H	-	L	M	L	L	H
CO3	H	H	M	H	-	M	-	-	M	M	L	H
CO4	H	M	H	M	L	H	-	L	M	M	L	H

Course Name: **REPAIR AND REHBILITION OF BUILDING**

Year of Study: 2017 -18

CO/PO	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12
C01	H	-	-	-	L	-	L	-	-	M	M	M
C02	H	-	-	-	H	-	-	L	M	M	L	M
C03	H	-	-	L	-	L	-	-	M	M	L	M
C04	H	-	-	M	H	M	H	-	H	M	M	H