

## Visvesvaraya National Institute of Technology, Nagpur

### Registration Form for Enrollment in Even Semester for Session 2021-22 (Summer 2022)

(To be filled in **Blue Ink in Capital letters only**) Instruction: Please Tick  $\sqrt$  appropriately and properly

Name : \_\_\_\_\_ Enrolment No. : \_\_\_\_\_

ID No. : \_\_\_\_\_ Name of Faculty Advisor : \_\_\_\_\_ Contact No. : \_\_\_\_\_

Current Address : \_\_\_\_\_

E-mail : \_\_\_\_\_ Parents No. : \_\_\_\_\_

### B. Tech. in Civil Engineering

#### IV Semester

Sr. No.	Code	Course Title / Name	Type	Credit	Slot	Offered (YES / NO)	Selection
1	CEL210	ENVIRONMENTAL ENGINEERING I	DC	3	D	Offered	YES/NO
2	CEP210	ENVIRONMENTAL ENGINEERING I	DC	1	D	Offered	YES/NO
3	CEL213	ENGINEERING GEOLOGY	DC	3	H	Offered	YES/NO
4	CEP213	ENGINEERING GEOLOGY	DC	1	H	Offered	YES/NO
5	CEL214	HYDRAULIC ENGINEERING	DC	3	E	Offered	YES/NO
6	CEP214	HYDRAULIC ENGINEERING	DC	1	E	Offered	YES/NO
7	CEL301	FOUNDATION ENGINEERING	DC	3	C	Offered	YES/NO
8	CEL208	HYDROLOGY	DC	3	G	Offered	YES/NO
9	CEP209	ADVANCED SURVEYING LABORATORY AND FIELD STUDIES	DC	1	G	Offered	YES/NO
10		OC /HM					
		<b>Total Credits (DC + DE)</b>		<b>22</b>			

Signature of Student

Signature of Faculty Advisor

Date:

Date:

A student must register the backlog courses first and then register for the current semester courses. A student can register for maximum SIX THEORY and FOUR PRACTICAL (including project) as credit courses, and maximum one audit course including all backlog course/(s), if any.

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Current Address : \_\_\_\_\_

E-mail : \_\_\_\_\_ Parents No. : \_\_\_\_\_

#### VI Semester

Sr. No.	Code	Course Title / Name	Type	Credit	Slot	Offered (YES / NO)	Selection
1	CEL305	DESIGN OF RCC STRUCTURES	DC	4	A	Offered	YES/NO
2	AML363	DESIGN OF STEEL STRUCTURES	DC	4	F	Offered	YES/NO
3	CEL312	TRANSPORTATION ENGINEERING	DC	3	E	Offered	YES/NO
4	CEP312	TRANSPORTATION ENGINEERING	DC	1	E	Offered	YES/NO
5	CEL307	PROJECT PLANNING AND MANAGEMENT	DC	4	C	Offered	YES/NO
<i>Elective Courses (Any two)</i>							
6	CEL368	ADVANCED HYDRAULICS	DE	4	B	Offered	YES/NO
7	CEL435	REMOTE SENSING AND GEOGRAPHICAL INFORMATION SYSTEM	DE	4	D	Offered	YES/NO
8	CEL209	CONSTRUCTION MATERIALS	DE	3	H	Offered	YES/NO
9	CEL212	RURAL WATER SUPPLY AND SANITATION	DE	3	B	Offered	
10	AML365	DESIGN OF MASONRY STRUCTURE	DE	3		Not offered	YES/NO
11		OC / HM					
<b>Total Credits (DC + DE)</b>				<b>23-24</b>			

Signature of Student

Date:

Signature of Faculty Advisor

Date:

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### Registration Form for Enrollment in Even Semester for Session 2021-22 (Summer 2022)

(To be filled in **Blue Ink in Capital letters only**) Instruction: Please Tick V appropriately and properly

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 ID No. : \_\_\_\_\_ Name of Faculty Advisor : \_\_\_\_\_ Contact No. : \_\_\_\_\_  
 Current Address : \_\_\_\_\_  
 E-mail : \_\_\_\_\_ Parents No. : \_\_\_\_\_

## B. Tech. in Civil Engineering

### VIII Semester ( 2015 onwards)

Sr. No.	Code	Course Title / Name	Type	Credit	Slot	Offered (YES / NO)	Selection
1	CED402	PROJECT PHASE - II	DC	4	-	Offered	YES/NO
2	CEL401	IRRIGATION ENGINEERING	DC	4	D	Offered	YES/NO
		<b>Elective Courses (Any Three)</b>					
3	CEL425	FINANCIAL AND BUSINESS MANAGEMENT	DE	3	G	Offered	YES/NO
4	AML576	STEEL STRUCTURES	DE	4	C	Offered	YES/NO
5	CEL414	WATER DISTRIBUTION SYSTEMS	DE	4	C	Offered	YES/NO
6	AML467	ADVANCE RCC	DE	4	B	Offered	YES/NO
7	CEL441	GEOTECHNICAL ASPECTS IN DESIGN OF MACHINE FOUNDATION	DE	4	E	Offered	YES/NO
8	CEL415	ADV. STRUCTURAL DESIGN RCC	DE	4		Not offered	YES/NO
9	AML469	BASICS OF FINITE ELEMENT METHOD	DE	3		Not offered	YES/NO
10	CEL576	INTELLIGENT TRANSPORTATION SYSTEM	DE	3		Not offered	YES/NO
11	CEL546	PAVEMENT EVALUATION, REHABILITATION AND MAINTENANCE	DE	3	F	Offered	YES/NO
12	CEL554	PROJECT APPRAISAL & CONSTRUCTION FINANCE	DE	4	H	Offered	YES/NO
13		OC / HM					YES/NO
		<b>Total Credits (DC + DE)</b>		<b>19-20</b>			

Signature of Student

Date:

Signature of Faculty Advisor

Date:

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### M. Tech in (Construction Technology & Management)

#### II Semester

Sr. No.	Code	Course Title / Name	Type	Credit	Slot	Offered (YES / NO)	Selection
1	CEL553	CONSTRUCTION EQUIPMENTS AND METHODS	DC	3	D	Offered	YES/NO
2	CEL554	PROJECT APPRAISAL & CONSTRUCTION FINANCE	DC	4	H	Offered	YES/NO
3	CEP564	SOFT COMPUTING IN CONSTRUCTION MANAGEMENT	DC	2	D	Offered	YES/NO
4	CEL577	RESEARCH METHODOLOGY IN CONSTRUCTION MANAGEMENT	DC	3	E	Offered	YES/NO
<i>Elective Courses (Any Two)</i>							
5	CEL425	FINANCIAL AND BUSINESS MANAGEMENT	DE	3	G	Offered	
6	CEL551	ADVANCE CONSTRUCTION MATERIALS	DE	3		Not offered	
7	CEL562	SUSTAINABLE CONSTRUCTION ENGINEERING	DE	3	B	Offered	YES/NO
8	MAL409	APPLICATION OF OPERATION RESEARCH TECHNIQUES IN CONSTRUCTION	DE	3	C	Offered	YES/NO
9	CEL532	DESIGN OF EXPERIMENTS	DE	3	H	Offered	YES/NO
10	CEL563	INFRASTRUCTURE PLANNING	DE	3		Not offered	
11	CEL569	ADVANCED CONCRETE ADMIXTURES AND ADHESIVES & GEOPOLYMER	DE	3		Not offered	
12	CEL560	PRECAST AND COMPOSITE STRUCTURES	DE	3		Not offered	
13	CEL582	ADVANCED CONSTRUCTION TECHNIQUES	DE	3		Not offered	
<b>Total Credits (DC + DE)</b>				21			

#### IV Semester

Sr. No.	Code	Course Title / Name	Type	Credit	Slot	Offered (YES / NO)	Selection
1	CED502	PROJECT PHASE - II	DC	9	-	Offered	YES/NO
<b>Total Credits (DC + DE)</b>				9			

Signature of Student

Signature of Faculty Advisor

Date:

Date:

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### M. Tech in ( Environmental Engineering)

#### II Semester

Sr. No.	Code	Course Title / Name	Type	Credit	Slot	Offered (YES / NO)	Selection
1	MAL407	STATISTICS AND OPTIMIZATION TECHNIQUES	DC	3	B	Offered	YES/NO
2	CEL505	MUNICIPAL SOLID WASTE MANAGEMENT	DC	3	E	Offered	YES/NO
3	CEL540	INDUSTRIAL WASTE WATER TREATMENT, RECYCLE AND REUSE	DC	3	G	Offered	YES/NO
<i>Elective Courses (Any Three)</i>							
4	CEP502	ENVIRONMENTAL MONITORING LABORATORY II	DE	1	G	Offered	YES/NO
5	CEL510	ENVIRONMENTAL MANAGEMENT	DE	3		Not offered	
6	CEL512	ENVIRONMENTAL BIOTECHNOLOGY	DE	3	H	Offered	YES/NO
7	CEL511	ENVIRONMENTAL ENGINEERING SYSTEMS OPTIMIZATION	DE	4	F	Offered	YES/NO
8	CEL532	DESIGN OF EXPERIMENTS	DE	3	H	Offered	YES/NO
9	CEP510	ENVIRONMENTAL ENGINEERING SYSTEM DESIGN	DE	1	F	Offered	YES/NO
10	CEL509	BIOREMEDIATION : PRINCIPLES & APPLICATIONS	DE	3		Not offered	
11	CEL542	INTRODUCTION TO CLIMATE CHANGE	DE	3	D	Offered	YES/NO
12	CEL568	APPLICATION OF SOFT COMPUTING TECHNIQUES	DE	4	A	Offered	YES/NO
13	CEL584	ADVANCED CHEMISTRY FOR ENVIRONMENTAL ENGINEERING	DE	3		Not offered	
14	CEL541	WATER DISTRIBUTION SYSTEMS DESIGN	DE	3		Not offered	
<b>Total Credits (DC + DE)</b>				<b>19-22</b>			

#### IV Semester

Sr. No.	Code	Course Title / Name	Type	Credit	Slot	Offered (YES / NO)	Selection
1	CED502	PROJECT PHASE - II	DC	9	-	Offered	YES/NO
<b>Total Credits (DC + DE)</b>				<b>9</b>			

Signature of Student

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Signature of Faculty Advisor

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### M. Tech in (Transportation Engineering)

#### II Semester

Sr. No.	Code	Course Title / Name	Type	Credit	Slot	Offered (YES / NO)	Selection
1	CEL545	ROAD SAFETY	DC	3	H	Offered	YES/NO
2	CEL546	PAVEMENT EVALUATION, REHABILITATION AND MAINTENANCE	DC	3	F	Offered	YES/NO
3	CEL539	PUBLIC TRANSPORTATION SYSTEM PLANNING	DC	3	E	Offered	YES/NO
4	CEP508	TRANSPORTATION SOFTWARE LAB	DC	1	H	Offered	YES/NO
5	CEP509	RESEARCH TERM PAPER IN TRANSPORTATION	DC	2	F	Offered	YES/NO
		<i>Elective Courses (Any Three)</i>					
6	CEL543	GEOMETRIC DESIGN OF HIGHWAYS	DE	3	B	Offered	YES/NO
7	CEL576	INTELLIGENT TRANSPORTATION SYSTEM	DE	3		Not offered	
8	CEL544	ENVIRONMENTAL ANALYSIS OF TRANSPORTATION	DE	3		Not offered	
9	CEL538	TRANSPORTATION INFRASTRUCTURE DESIGN	DE	3	D	Offered	YES/NO
10	CEL590	PAVEMENT MANAGEMENT SYSTEM	DE	3		Not offered	
11	CEL547	DESIGN AND PLANNING OF NON-MOTORIZED TRANSPORT	DE	3		Not offered	
12	CEL548	TRANSPORTATION LOGISTICS	DE	3		Not offered	
13	CEL550	ADVANCED TRAVEL DEMAND MODELING	DE	3		Not offered	
14	MAL208	PROBABILITY THEORY AND STATISTICAL METHODS	DE	4		Not offered	
15	MAL408	STATISTICAL ANALYSIS & QUEING THEORY	DE	3		Not offered	
16	MAL547	MULTIVARIATE DATA ANALYSIS	DE	3	C	Offered	YES/NO
17	ARL510	INFRASTRUCTURE PLANNING	DE	3		Not offered	
18	ARL516	SUSTAINABLE DEVELOPEMENT	DE	3		Not offered	
19	CEL553	CONSTRUCTION EQUIPMENTS AND METHODS	DE	3	D	Offered	YES/NO
20	CEL554	PROJECT APPRAISAL & CONSTRUCTION FINANCE	DE	4	H	Offered	YES/NO
21	CEL425	FINANCIAL AND BUSINESS MANAGEMENT	DE	3	G	Offered	YES/NO
22	CEL551	ADVANCE CONSTRUCTION MATERIALS	DE	3		Not offered	
23	MAL409	APPLICATION OF OPERATION RESEARCH TECHNIQUES IN CONSTRUCTION	DE	3	C	Offered	YES/NO
24	CEL408	CONSTRUCTION SITE ADMINISTRATION AND CONTROL	DE	3		Not offered	
25	CEL524	GEOSYNTHETICS	DE	3	G	Offered	YES/NO
26	CEL575	GROUND IMPROVEMENT TECHNIQUE	DE	3	A	Offered	YES/NO
27	CEL581	DESIGN OF UNDER GROUND STRUCTURES	DE	3	C	Offered	YES/NO
28	CEL532	DESIGN OF EXPERIMENTS	DE	3	H	Offered	YES/NO
29	AML549	FINITE ELEMENT METHOD	DE	3		Not offered	
30	CEL542	INTRODUCTION TO CLIMATE CHANGE	DE	3	D	Offered	
31	CEL568	APPLICATION OF SOFT COMPUTING TECHNIQUES	DE	4	A	Offered	

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Current Address : \_\_\_\_\_

E-mail : \_\_\_\_\_ Parents No. : \_\_\_\_\_

	<b>Total Credits (DC + DE)</b>		21		YES/NO
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**IV Semester**

Sr. No.	Code	Course Title / Name	Type	Credit	Slot	Offered (YES / NO)	Selection
1	CED502	PROJECT PHASE - II	DC	9	-	Offered	YES/NO
		<b>Core Courses</b>		<b>9</b>			

Signature of Student

Signature of Faculty Advisor

Date:

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**M. Tech in (Water Resource Engineering)**

**II Semester**

Sr. No.	Code	Course Title / Name	Type	Credit	Slot	Offered (YES / NO)	Selection
1	CEL514	APPLIED SURFACE HYDROLOGY	DC	3	G	Offered	YES/NO
2	CEL414	WATER DISTRIBUTION SYSTEMS	DC	4	C	Offered	YES/NO
3	CEL528	WATER RESOURCES SYSTEMS	DC	3	E	Offered	YES/NO
<i>Elective Courses (Any Three)</i>							
4	CEL421	HYDRAULIC STRUCTURES I	DE	3		Not offered	
5	CEL525	EARTHEN DAMS	DE	4	F	Offered	YES/NO
6	CEL530	WATER POWER ENGINEERING	DE	3	B	Offered	YES/NO
7	CEL432	ENVIRONMENTAL IMPACT ASSESSMENT	DE	3		Not offered	
8	CEL529	CLOSE CONDUIT FLOWS	DE	3		Not offered	
9	CEL516	MODELING TECHNIQUES	DE	3		Not offered	
10	CEL510	ENVIRONMENTAL MANAGEMENT	DE	3		Not offered	
11	CEL542	INTRODUCTION TO CLIMATE CHANGE	DE	3	D	Offered	YES/NO
12	CEL532	DESIGN OF EXPERIMENTS	DE	3	H	Offered	YES/NO
13	CEL518	COASTAL ENGINEERING	DE	3		Not offered	
<b>Total Credits (DC + DE)</b>				19-20			

**IV Semester**

Sr. No.	Code	Course Title / Name	Type	Credit	Slot	Offered (YES / NO)	Selection
1	CED502	PROJECT PHASE - II	DC	9	-	Offered	YES/NO
Core Courses				9			

Signature of Student

Date:

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### M. Tech in (Geotechnical Engineering)

#### II Semester

Sr. No.	Code	Course Title / Name	Type	Credit	Slot	Offered (YES / NO)	Selection
1	CEL521	APPLIED SOIL ENGINEERING	DC	3	B	Offered	YES/NO
2	CEL523	ADVANCED FOUNDATION ENGINEERING	DC	3	D	Offered	YES/NO
3	CEL575	GROUND IMPROVEMENT TECHNIQUE	DC	3	A	Offered	YES/NO
4	CEL581	DESIGN OF UNDER GROUND STRUCTURES	DC	3	C	Offered	YES/NO
5	CEP505	GEOTECHNICAL ENGINEERING FIELD WORK	DC	1	A	Offered	YES/NO
6	CEP506	GEOTECHNICAL SYSTEM DESIGN	DC	1	C	Offered	YES/NO
<i>Elective Courses (Any Two)</i>							
7	CEL555	SOIL STRUCTURE INTERACTION	DE	3		Not offered	
8	AML549	FINITE ELEMENT METHOD	DE	3		Not offered	
9	MNL525	BLASTING TECHNOLOGY IN EXCAVATIONS	DE	3		Not offered	
10	MNP525	BLASTING TECHNOLOGY IN EXCAVATIONS	DE	1		Not offered	
11	CEL441	GEOTECHNICAL ASPECTS IN DESIGN OF MACHINE FOUNDATION	DE	4	E	Offered	YES/NO
12	CEL510	ENVIRONMENTAL MANAGEMENT	DE	3		Not offered	
13	CEL525	EARTHEN DAMS	DE	4	F	Offered	YES/NO
14	CEL524	GEOSYNTHETICS	DE	3	G	Offered	YES/NO
15	CEL593	ENGINEERING SEISMOLOGY AND SITE CHARACTERIZATION	DE	3		Not offered	
16	CEL532	DESIGN OF EXPERIMENTS	DE	3	H	Offered	YES/NO
17	CEL568	APPLICATION OF SOFT COMPUTING TECHNIQUES	DE	3	A	Offered	YES/NO
<b>Total Credits (DC + DE)</b>					20-21		

#### IV Semester

Sr. No.	Code	Course Title / Name	Type	Credit	Slot	Offered (YES / NO)	Selection
1	CED502	PROJECT PHASE - II	DC	9	-	Offered	YES/NO
<b>Total Credits (DC + DE)</b>					9		

Signature of Student

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