



**CHRIST COLLEGE OF ENGINEERING
(AUTONOMOUS)
(A CMI Institution)**

DEPARTMENT OF CIVIL ENGINEERING

**B. Tech. CURRICULUM – 2026
(Date:30-06-2026)**

Irinjalakuda, Thrissur – 680125

B. Tech. Civil Engineering

Programme Structure

Semester (Credits)	S1	S2	S3	S4	S5	S6	S7	S8	Total	%	KTU	AICTE Model
Humanities and Social Science Course including Management Course (HM)	2	-	3	3	2	-	-	-	8	5.99	5.98	7.5
Basic Science Course (BS)	8	8	3	3	3	-	-	-	25	14.97	11.98	18.1
Engineering Science Course (ES)	12	11	3	-	-	1	-	-	29	16.17	16.16	16.87
Programme Core Courses (PC)	-	3	15	15	15	14	-	-	62	37.13	40.71	36.25
Programme Elective Course (PE)	-	-	-	3	3	3	6	3	18	10.78	10.78	5.6
Open Elective Course (OE)	-	-	-	-	-	3	3	3	9	5.39	5.39	5.6
Skill Enhancement Course (SE)	1	1	1	1	1	1	-	-	6	3.59	0	0
Project/ Internship/Seminar (PR/IP/SR)	-	-	-	-	-	-	6	4	10	5.99	5.99	10
Mandatory Course (MC) (Environmental Science, Induction program, Indian Constitution, etc.)	Pass /Fail	Pass /Fail	-	Pass /Fail	Pass /Fail	Pass /Fail	-	-	0	0	0	
Total	23	23	25	25	24	22	15	10	167[#]			
Minor	0	0	4	4	4	4	0	0	16			
Honour	0	0	0	4	4	4	4	0	16			

Additional 3 Credits from Activity points

Course Distribution by Semester and Type

Sl. No.	Course Type	Number of Courses								Total
		S1	S2	S3	S4	S5	S6	S7	S8	
1	Humanities and Social Science Course including Management Course (HM)	1	0	2	2	1	0	0	0	6
2	Basic Science Course (BS)	2	2	1	1	1	0	0	0	7
3	Engineering Science Course (ES)	4	4	1	0	0	1	0	0	10
4	Programme Core Courses (PC)	0	1	5	5	5	5	0	0	21
5	Programme Elective Course (PE)	0	0	0	1	1	1	2	1	6
6	Open Elective Course (OE)	0	0	0	0	0	1	1	1	3
7	Skill Enhancement Course (SE)	1	1	1	1	1	1	0	0	6
8	Project/ Internship/Seminar (PR/IP/SR)	0	0	0	0	0	0	2	1	3
9	Mandatory Non-Credit Course (MC)	1	1	0	1	1	1	0	0	5
	Total	9	9	10	11	10	10	5	3	67

Course Code Format Guidelines

Each course in the curriculum shall be identified by a unique nine-character alphanumeric code structured as follows:

1. First Letter - Department Code

Indicates the parent department:

- C - Civil Engineering
- M - Mechanical Engineering
- E - Electrical and Electronics Engineering
- L - Electronics and Communication Engineering
- V - VLSI
- R - Computer Science and Engineering
- B - Computer Science and Business Systems
- D - Computer Science and Engineering (Data Science)

2. Second and Third Letters - Curriculum Scheme Year

Represents the year in which the curriculum scheme was introduced (e.g., 26 for 2026).

3. Fourth and Fifth Letters - Abbreviation of Course Title

Two-letter short form of the course title (e.g., MA for Mathematics, DS for Data Structures).

4. Sixth Letter - Course Type Indicator

Denotes the nature of the course:

- T - Theory
- P - Practical
- E - Lab Embedded
- R - Project

5. Seventh Character - Semester Number

Indicates the semester in which the course is offered (e.g., 1 for Semester I).

6. Eighth and Ninth Characters - Course Sequence Number

Represents the order of the course in that semester (e.g., 21 for the 21st course).

Example:

M26TDT403

- M - Mechanical Engineering
- 26 - Curriculum Revision 2026
- TD - Thermodynamics
- T - Theory Based Course
- 4 - Offered in Semester IV
- 03 – 3rd Course in that semester

FIRST SEMESTER:Civil Engineering														
10 Days Compulsory Induction Program and Universal Human Values														
Sl. No:	Slot	Course Code	Course Type	Course Category	Course Title (Course Name)	Credit				SS	Total		Credits	Hrs./Week
						L	T	P	R		CIA	ESE		
THEORY														
1	A	G26MAE101	BS	GC	Linear Algebra & Calculus with Simulation Lab	2	1	2	0	4.5	40	60	4	5
2	B	G26PHE102	BS	GC	Engineering Physics	2	1	2	0	4.5	40	60	4	5
3	C	G26MHT104	ES	GC	Engineering Mechanics	3	1	0	0	5	40	60	4	4
4	D	G26ELT108	ES	GC	Basics of Electrical and Electronics Engineering	4	0	0	0	6	40	60	4	4
5	E	G26ATE110	ES	CC	Algorithmic thinking with Python	2	0	2	0	4	40	60	3	4
PRACTICALS														
6	G	G26EWP112	ES	GC	Electrical and Electronics Workshop Practice	0	0	2	0	1	50	50	1	2
7	H	A26AEE115	HM	CC	Applied English for Communication	2	0	0	0	3	50		2	2
8	I	A26EDR113	SE	CC	Engineering Design and Innovation Studio (EDIS-I)	0	0	0	2	2	50	-	1	2
MANDATORY NON-CREDIT COURSES														
9	J	A26HWP114	MC	CC	Health and Wellness	1	0	1	0	2	50	-	Pass/Fail	2
ACTIVITY POINT PROGRAMME														
10	-	A26APP115	MC	CC	Activity Point Programme ^s								0	-
Total										32			23	30

- L-T-P-R = Lecture – Tutorial – Practical - Project
- SS (Self Study) Hours = $1.5*L + 0.5*T + 0.5*P + R$
- CIA = Continuous Internal Assessment, and ESE = End Semester Examination
- *Assessment method:** Cambridge English language assessment Lingua skill General – B1 Preliminary/British council (General - B1) Aptis test assessment Range (43-58)

[§] **Activity Points:** Students are required to acquire a minimum of 120 activity points, with at least 40 points per group, to fulfil the curriculum requirement of 3 activity credits. At the end of 6th semester, the students are required to earn the minimum number of activity points from the AICTE mandated activity point programme to qualify for the award of B. Tech degree.

SECOND SEMESTER: Civil Engineering														
Sl. No:	Slot	Course Code	Course Type	Course Category	Course Title (Course Name)	Credit				SS	Total		Credits	Hrs./Week
						L	T	P	R		CIA	ESE		
THEORY														
1	A	G26MAT201	BS	GC	Vector Calculus, Differential Equations & Probability	3	1	0	0	5	40	60	4	4
2	B	G26CYE123	BS	GC	Engineering Chemistry	2	1	2	0	4.5	40	60	4	5
3	C	G26GPT106	ES	GC	Engineering Graphics	2	0	2	0	4	40	60	3	4
4	D	G26CMT106	ES	GC	Basics of Civil and Mechanical Engineering	4	0	0	0	6	40	60	4	4
5	E	C26CMT210	PC	PC	Concrete Technology and Construction Management	2	1	0	0	3.5	40	60	3	3
6	F	C26SMT211	ES	PC	Strength of materials	2	1	0	0	3.5	40	60	3	3
PRACTICALS														
7	G	G26WSP111	ES	GC	Civil and Mechanical Workshop Practise	0	0	2	0	1	50	50	1	2
8	I	A26EDR213	SE	CC	Engineering Design and Innovation Studio (EDIS-II)	0	0	0	2	2	50	-	1	2
MANDATORY COURSES														
9	J	A26EST214	MC	CC	Employability Skills and Professional Development	1	0	1	0	2	50	-	Pass / Fail	1
ACTIVITY POINT PROGRAMME														
10	-	A26APP215	MC	CC	Activity Point Programme								0	-
Total										31.5			23	28

THIRD SEMESTER:Civil Engineering														
Sl. No:	Slot	Course Code	Course Type	Course Category	Course Title (Course Name)	Credit				SS	Total		Credits	Hrs./Week
						L	T	P	R		CIA	ESE		
THEORY														
1	A	G26MAT301	BS	GC	Partial Differential Equations and Complex Analysis	2	1	0	0	3.5	40	60	3	3
2	B	C26SGR302	PC-PBL*	PC	Surveying and Geomatics	2	1	0	1	4.5	60	40	4	4
3	C	C26SAT303	PC	PC	Structural Analysis I	3	1	0	0	5	40	60	4	4
4	D	C26FMT304	PC	PC	Mechanics of Fluids	2	1	0	0	3.5	40	60	3	3
5	E	A26AIT305	ES	GC	Introduction to Artificial Intelligence and Data Science	2	1	0	0	3.5	40	60	3	3
6	F	A26FLT3X6	HM	CC	Foreign Language Elective #	2	0	0	0	3	50	-	2	2
7	G	G26EST307	HM	CC	Environmental Science	1	0	0	0	1.5	40	60	1	1
PRACTICALS														
8	H	C26SGP308	PC	PC	Surveying Lab	0	0	3	0	1.5	50	50	2	3
9	I	A26EDR309	SE	CC	Engineering Design and Innovation Studio (EDIS-III)	0	0	0	2	2	50	-	1	2
10	J	C26FMP310	PC	PC	Fluid Mechanics Lab	0	0	3	0	1.5	50	50	2	3
ACTIVITY POINT PROGRAMME														
11	-	A26APP311	MC	CC	Activity Point Programme								0	
VALUE ADDED COURSES														
12	M	-	VA	CC	Remedial/Minor course	3	1	0	0	5			4	4
Total										29.5/ 34.5*			25/ 29*	28/ 32*

*PBL (Project-Based Learning) Courses Integrated in Semesters 3 to 6

#Foreign Language Electives:

1. A26FLT316 - German Language – Level A1
2. A26FLT326 - French Language – Level 1
3. A26FLT336 - Japanese Language

FOURTH SEMESTER: Civil Engineering															
Sl. No:	Slot	Course Code	Course Type	Course Category	Course Title (Course Name)	Credit Structure				SS	Total Marks		Credits	Hrs./Week	
						L	T	P	R		CIA	ESE			
THEORY															
1	A	G26MAT401	BS	GC	Transforms, Statistics, and Numerical Methods	2	1	0	0	3.5	40	60	3	3	
2	B	C26DCR402	PC-PBL	PC	Design of Concrete structures	2	1	0	1	4.5	40	60	4	4	
3	C	C26SAT403	PC	PC	Structural Analysis II	2	1	0	0	3.5	40	60	3	3	
4	D	C26GTT404	PC	PC	Geotechnical Engineering	3	1	0	0	5	60	40	4	4	
5	E	A26MET405	HM	GC	Management for Engineers	2	0	0	0	3	40	60	2	2	
6	F	C26PE14XX	PE	PE	Professional Elective – I	3	0	0	0	4.5	40	60	3	3	
7	G	G26ICT407	HM	CC	Indian Constitution	1	0	0	0	1.5	50	-	1	1	
PRACTICALS															
8	H	C26GTP408	PC	PC	Geotechnical Engineering Lab	0	0	3	0	1.5	50	50	2	3	
9	I	A26EDR409	SE	CC	Engineering Design and Innovation Studio (EDIS-IV)	0	0	0	2	2	50	-	1	2	
10	J	C26CLLP410	PC	PC	Concrete Lab	0	0	3	0	1.5	50	50	2	3	
MANDATORY COURSES															
11	K	A26BCT411	SE	CC	Business and Managerial Communications (PC)	1	0	0	0	1.5	50	-	Pass / Fail	1	
ACTIVITY POINT PROGRAMME															
12	-	A26APP412	MC	CC	Activity Point Programme					0			-		
VALUE ADDED COURSES															
13	M	-	VA	CC	Minor/Honours Course	3	1	0	0	5	40	60	4	4	
Total										32/37*			25/29*	29/33*	

FIFTH SEMESTER: Civil Engineering														
Sl. No:	Slot	Course Code	Course Type	Course Category	Course Title (Course Name)	Credit				SS	Total		Credits	Hrs./Week
						L	T	P	R		CIA	ESE		
THEORY														
1	B	C26FER501	PC-PBL	PC	Foundation Engineering	2	1	0	1	4.5	60	40	4	4
2	B	C26HIT502	PC	PC	Hydraulics and irrigation Engineering	2	1	0	0	3.5	40	60	3	3
3	C	C26TET503	PC	PC	Transportation Engineering	3	1	0	0	5	40	60	4	4
4	D	C26PE25XX	PE	PE	Professional Elective – II	3	0	0	0	4.5	40	60	3	3
5	E	G26EET505	HM	CC	Engineering Economics	2	0	0	0	3	40	60	2	2
6	F	A26BEE506	BS	CC	Fundamentals of Biological Engineering	2	0	2	0	4	40	60	3	4
PRACTICALS														
7	G	C26CDP507	PC	PC	Civil Engineering Design and Drafting Lab	0	0	3	0	1.5	50	50	2	3
8	H	C26TEP508	PC	PC	Transportation Engineering Lab	0	0	3	0	1.5	50	50	2	3
9	I	A26EDR509	SE	CC	Engineering Design and Innovation Studio (EDIS-V)	0	0	0	2	2	50	-	1	2
MANDATORY COURSES														
10	J	A26QRT510	MC	CC	Quantitative and Reasoning Skills	1	0	0	0	1.5	50	-	Pass/ Fail	1
ACTIVITY POINT PROGRAMME														
11	-	A26APP511	MC	CC	Activity Point Programme								-	-
VALUE ADDED COURSES														
12	M	-	VA	CC	Remedial/Minor/Honours Course	3	1	0	0	5	40	60	4	4
Total										31/36*			24/ 28*	29/33*

Students can undertake the summer internship during the vacation after the 4th and 6th semester. The internship should be carried out in reputed industries, companies, or R&D organizations. The evaluation of the internship will consist of a presentation, report, and viva-voce. The credits will be added to the 5th and 7th semesters. Students can also opt for prescribed MOOC Courses instead of summer internship.^s In place of

the summer internship, a MOOC course such as Project Management, Entrepreneurship, IPR, or any other engineering-related course may be offered, as decided by the Board of Studies from time to time.

SIXTH SEMESTER: Civil Engineering														
Sl. No.	Slot	Course Code	Course Type	Course Category	Course Title (Course Name)	Credit				SS	Total		Credits	Hrs./ Week
						L	T	P	R		CIA	ESE		
THEORY														
1	A	C26EET601	PC	PC	Environmental Engineering	2	1	0	0	3.5	40	60	3	3
2	B	C26DST602	PC	PC	Design of steel structures	2	1	0	0	3.5	40	60	3	3
3	C	C26QVR603	PC-PBL	PC	Quantity Surveying and Valuation	2	1	0	1	4.5	60	40	4	4
4	D	A26BEE604	BS	CC	Introduction to Industry 4.0	1	0	0	0	1.5	40	60	1	1
5	E	C26PE36XX	PE	PE	Professional Elective - III	3	0	0	0	4.5	40	60	3	3
6	F	G26OE16XX	OE	OE	Open Elective – I [#]	3	0	0	0	4.5	40	60	3	3
PRACTICALS														
7	G	C26EEP607	PC	PC	Environmental Engineering Lab	0	0	3	0	1.5	50	50	2	3
8	H	C26CEP608	PC	PC	Structural Engineering Lab	0	0	3	0	1.5	50	50	2	3
9	I	A26EDR613	SE	CC	Engineering Design and Innovation Studio (EDIS-VI)	0	0	0	2	2	50	-	1	2
MANDATORY COURSES														
10	J	A25UHT614	HM	CC	Universal Human Values and Professional Ethics	1	0	0	0	1.5	50	50	Pass/ Fail	1
ACTIVITY POINT PROGRAMME														
11	-	A26APP615	MC	CC	Activity Point Programme \$								-	-
VALUE ADDED COURSES														
12	M/ H	-	VA	CC	Minor/Honours Course	3	1	0	0	5			4	4
		Industrial Visit (Maximum 7 Days are permitted, not exceeding 5 working days)												
Total										28.5/3 3.5			22/26*	26/30 *

* Students are encouraged to choose professional electives from a single stream, preferably.

Open Electives are such courses which will be offered for other departments. Like ME department students have to opt open electives from CE/EEE/CS/CSDS/CSBS/ECE/VLSI/ME/EEE departments.

SEVENTH SEMESTER: Civil Engineering														
Sl. No:	Slot	Course Code	Course Type	Course Category	Course Title (Course Name)	Credit				SS	Total		Credits	Hrs./Week
						L	T	P	R		CIA	ESE		
THEORY														
1	A	C26PE47XX	PE	PE	Professional Elective - IV (Internship Students: Self Study/MOOC Approved by the College/Online Classes)	3	0	0	0	4.5	40	60	3	3
2	B	C26PE57XX	PE	PE	Professional Elective - V (Internship Students: Self Study/MOOC Approved by the College/Online Classes)	3	0	0	0	4.5	40	60	3	3
3	C	G26OE27XX	OE	OE	Open Elective – II (Internship Students: Self Study/MOOC Approved by the College/Online Classes)	3	0	0	0	4.5	40	60	3	3
4	D	C26SMP704	SR	SR	Seminar (Symposium)	0	0	3	0	1.5	50	0	2	3
PRACTICALS														
5	I	C26CPR705	PR/IP	PR/IP	Option 1: Capstone Project Phase - I	0	0	0	12	12	100	0	4	12
		C26INR706	PR/IP	PR/IP	Option 2: Industry Internship [#]					-	100			
VALUE ADDED COURSES														
6	H	-	VA	CC	Honours Course	3	0	0	0	4.5			4	4
Total										27/ 31.5*			15/ 21*	24/ 28*

* The students can take the Industry Internship option either in 7th or in 8th semester.

[#] Option 1: Work on a Capstone Project in the institute/department under the mentorship of faculty members.

Option 2: Full semester Internship in Industry/organization (7th or 8th semester)

EIGHTH SEMESTER: Civil Engineering															
Sl. No:	Slot	Course Code	Course Type	Course Category	Course Title (Course Name)	Credit				SS	Total		Credits	Hrs./Week	
						L	T	P	R		CIA	ESE			
THEORY															
1	A	C26PE68XX	PE	PE	Professional Elective - VI (Internship Students: Self Study/MOOC Approved by the College/Online Classes)	3	0	0	0	4.5	40	60	3	3	
2	B	C26OE38XX	OE	OE	Open Elective - III (Internship Students: Self Study/MOOC Approved by the College/Online Classes)	3	0	0	0	4.5	40	60	3	3	
PRACTICALS															
3	P	M26CPR803	PR/IP	PR/IP	Option 1: Capstone Project	0	0	0	12	12	100	0	4	12	
		M26INR803	PR/IP	PR/IP	Option 2: Industry Internship (4 – 6 Months) *				-	100					
		M26CP2803	PR/IP	PR/IP	Option 3: Capstone Project Phase - II										
Total										21			10	18	

Professional Electives

1. Environmental Scheme

1. Air Quality Management *
2. Environmental Remote Sensing
3. Municipal Solid Waste Management *
4. Industrial Waste Water Management *
5. Soil and Hazardous Waste Management
6. Physico-Chemical Processes in Waste Water Treatment

2. Geotechnical Engineering Scheme

1. Soil Structure Interaction
2. Environmental Geotechniques *
3. Ground Improvement Techniques *
4. Unsaturated Soil Mechanics
5. Geotechnical Investigation*
6. Geosynthetics and Reinforced Soil Structures

3. Water Resources Engineering

1. Water Conservation and Management
2. Watershed Management and Soil Conservation
3. Design of Hydraulic Structures

4. Hydro Power Engineering
5. Hydraulic Structures and River Engineering
6. GIS and Hydro informatics
7. GIS and Cartography

4. Structural Engineering

1. Prestressed Concrete Design *
2. Advanced Structural Design *
3. Advanced Concrete Technology
4. Finite Element Methods
5. High Rise Structures
6. Structural Dynamics and Earthquake Resistant Design *

5. Transportation Engineering

1. Railways, Airports, Docks and Harbour Engineering *
2. Traffic Engineering and Management *
3. Highway Pavement Design
4. Transportation Planning*
5. Sustainable Transportation
6. Intelligent Transportation Systems

6 General Elective

1. Repair and Rehabilitation of Buildings
2. Functional Design of Buildings
3. Alternative Materials and Methods for Road Construction
4. Road Transport Management and Economics
5. Climate Change and Sustainability
6. Environmental Impact Assessment
7. Engineering Geology
8. Rock Mechanics
9. Surface Water Hydrology
10. Open Channel Hydraulics

Language Electives

- German Language–Level A1.1
- French Language–Level 1
- Japanese Language

Open Electives

Open Elective 1

1. Environmental Health and Safety
2. Natural Disasters and Mitigation
- Environmental Impact Assessment

4. Project Planning and Management

Open Elective 2

1. Municipal solid Waste Management
2. Sustainable Engineering
3. Air Quality and Pollution Control
4. Sustainable Construction Materials

Open Elective 3

1. Remote Sensing -principles and applications
2. Industrial safety Engineering
3. Renewable Energy Systems

Open Elective 4

1. Green Building Design and Energy Efficiency
2. Sustainable Urban Development and Smart Cities
3. Disaster Risk Reduction and Climate Resilient Infrastructure
4. Water and Wastewater Management for Sustainable Development

Open Elective5

1. Introduction to Indian Knowledge Systems
2. Indian Knowledge Systems–Kerala Architectural Style and Engineering Wisdom
3. Indian Knowledge Systems–Indian Agro-Machinery and Sustainable Mechanisation

Minor course

Basket 1	INFRASTRUCTURE PLANNING AND REHABILITATION
Basket 2	REMOTE SENSING APPLICATIONS
Basket 3	ENVIRONMENTAL ENGINEERING

BASKET 1 - MINOR IN INFRASTRUCTURE PLANNING AND REHABILITATION
LIST OF NPTEL COURSES

	Course Name	Duration	Credit	Link
ODD SEM	Urban Landuse and Transportation Planning	12 weeks	4	https://onlinecourses.nptel.ac.in/e-learning/preview/noc26_ar36
	Integrated Waste management for a Smart City	12 weeks	4	https://onlinecourses.nptel.ac.in/e-learning/preview/noc26_ce142
	Urban Utilities Planning: Water Supply, Sanitation and Drainage	12 weeks	4	https://onlinecourses.nptel.ac.in/e-learning/preview/noc26_ar35
EVEN SEM	Retrofitting and Rehabilitation of Civil Infrastructure	12 weeks	4	https://onlinecourses.nptel.ac.in/e-learning/preview/noc26_ce45
	Urban Informatics	12 weeks	4	https://onlinecourses.nptel.ac.in/e-learning/preview/noc26_ar01

BASKET 2 - MINOR IN REMOTE SENSING APPLICATIONS

	Course Name	Duration	Credit	Link
ODD SEM	Remote sensing for natural hazard studies	12 weeks	4	https://onlinecourses.nptel.ac.in/e-learning/preview/noc26_ce160
	Remote Sensing: Principles and Applications	12 weeks	4	https://onlinecourses.nptel.ac.in/e-learning/preview/noc26_ce115
EVEN SEM	Remote Sensing and GIS for Rural Development	12 weeks	4	https://onlinecourses.nptel.ac.in/e-learning/preview/noc26_ce15
	Microwave Remote Sensing in Hydrology	12 weeks	4	https://onlinecourses.nptel.ac.in/e-learning/preview/noc26_ce16
	Remote Sensing Essentials	12 weeks	4	https://onlinecourses.nptel.ac.in/e-learning/preview/noc26_ce71
	Geographic Information Systems	12 weeks	4	https://onlinecourses.nptel.ac.in/e-learning/preview/noc26_ce70

BASKET 3 - MINOR IN ENVIRONMENTAL ENGINEERING

	Course Name	Duration	Credit	Link
ODD SEM	Sustainable Groundwater Management	12 weeks	4	https://onlinecourses.nptel.ac.in/e-learning/preview/noc26_ce121
	An Introduction to Climate Dynamics, Variability and Monitoring	12 weeks	4	https://onlinecourses.nptel.ac.in/e-learning/preview/noc26_ce125
	Environmental Modeling and Simulation	12 weeks	4	https://onlinecourses.nptel.ac.in/e-learning/preview/noc26_ce108
	Municipal Solid Waste Management	12 weeks	4	https://onlinecourses.nptel.ac.in/e-learning/preview/noc26_ce153
<u>EVEN SEM</u>	Environmental Remediation of Contaminated Sites	12 weeks	4	https://onlinecourses.nptel.ac.in/e-learning/preview/noc26_ce73
	Climate Hazards and Disaster Mitigation	12 weeks	4	https://onlinecourses.nptel.ac.in/e-learning/preview/noc26_ce10
	Water and Waste Water Treatment	12 weeks	4	https://onlinecourses.nptel.ac.in/e-learning/preview/noc26_ce72
	Wastewater Treatment and Recycling	12 weeks	4	https://onlinecourses.nptel.ac.in/e-learning/preview/noc26_ce140