

**Department of Civil Engineering: Schedule of Courses for 2017-18 1<sup>st</sup> Semester**

<b>UG Compulsory Courses (D)</b>								
<b>S. No.</b>	<b>Course No.</b>	<b>L-T-P-A (Units)</b>	<b>Course Title</b>	<b>Instructor</b>	<b>Slot &amp; Room</b>	<b>Schedule</b>		
						<b>Lecture</b>	<b>Tutorial</b>	<b>Laboratory</b>
1.	CE241A	3-0-0-0 (09)	Sustainable Built Environment	Tarun Gupta	OE-1 L2	MWF17:10	--	--
2.	CE311A	3-0-3-0 (12)	Environmental Quality and Pollution	Abhas Singh + Vinod Tare	3-1 L2	MF8:00 W16:00	--	F16:00 M/T/Th14:00
3.	CE331A	3-0-2-0 (11)	Geoinformatics	Bharat Lohani + Onkar Dixit	SLOT-1 L5	TWTh8:00	--	M/T/Th14:00
4.	CE341A	0-0-2-0 (02)	Civil Engineering Communication Skills	Partha Chakraborty + Prishati Roychowdhury	SLOT-7 L17	--	--	T10:00
5.	CE351A	2-0-2-0 (08)	Soil Mechanics	Nihar R Patra	SLOT-4 L16	WF15:00	--	M/T/Th14:00
6.	CE361A	2-0-0-0 (06)	Engineering Hydrology	Shivam Tripathi + Ashu Jain	SLOT-6 L4	TTh17:10	--	--
7.	CE371A	2-0-0-0 (06)	Steel Design	Samit Ray Chaudhuri	SLOT-5 L1	WF14:00	--	--
8.	CE441b	3-0-0-0 (05)	Construction Management	Sudhir Mishra	OE-7 L3	MF8:00 T9:00	--	--

**Department of Civil Engineering: Schedule of Courses for 2017-18 1<sup>st</sup> Semester**

<b>UG Departmental Electives (DE)</b>					
<b>[List all Courses (including OE and PG courses) declared as Departmental Electives]</b>					
<b>S. No.</b>	<b>Course No.</b>	<b>L-T-P-A (Units)</b>	<b>Course Title</b>	<b>Instructor</b>	<b>Slot</b>
<b>DE-A Courses</b>					
1.	CE451A	3-0-0-2 (11)	Application of Geotechnical Engineering	Priyanka Ghosh + Arghya Das	Lec. MTh9:00-10:15 [DE-1]  Tut. W14:00-14:50 (unofficial)
2.	CE471A	3-0-0-2 (11)	Special Topics in Structural Design	Suparno Mukhopadhyay + Sudhir Mishra + Vinay K Gupta	Lec. MTh10:35-11:50 [DE-2]  Tut. T17:10-18:00 (unofficial)
3.	CE481A	3-0-0-2 (11)	Transportation Facilities Design	VinodVasudevan + Animesh Das	Lec. MTh12:00-13:15 [DE-3]  Tut. F14:00-14:50 (unofficial)
<b>DE-B Courses</b>					
4.	CE491A	0-0-0-9 (09)	B.Tech Project I	DUGC Convener	--
5.	CE492A	0-0-0-9 (09)	B.Tech Project II	DUGC Convener	--
6.	CE678A	3-0-0-0 (09)	Introduction to Geodesy	B Nagarajan	TTh15:35-16:50 [PG-15/DE-6/OE-6]
7.	CE681A	3-0-0-0 (09)	Characterization of Pavement Materials	Syam Nair	MTh14:00-15:15 [PG-13/DE-4]
8.	CE666A	3-0-0-0 (09)	Air Pollution and its Control	Mukesh Sharma	MTh14:00 – 15:15 [PG-13 / DE-4/OE-4]
9.	CE614A	3-0-0-0 (09)	Stochastic Hydrology	Shivam Tripathi	M15:35 – 16:50 T14:00 – 15:15 [PG-14 / DE-5]
10.	CE635A	3-0-0-0 (09)	Foundation Dynamics	Priyanka Ghosh	MTh14:00-15:15 [PG-13/DE-4]
11.	CE723A	3-0-0-0 (09)	Finite Element Methods for Civil Engineering Applications	Suparno Mukhopadhyay	M15:35 – 16:50 T14:00 – 15:15 [PG-14 / DE-5]
12.	CE651A	3-0-0-0 (09)	Special Concretes	K V Harish	M15:35 – 16:50 T14:00 – 15:15 [PG-14 / DE-5]
13.	CE605A	1.5-0-0-0 (05)	Probability and Statistics for Civil Engineers	Mukesh Sharma	W10:35-11:50 [PG-6 /OE-3]
14.	CE606a	3-0-0-0 (05)	Optimization Methods for Civil Engineers	ParthaChakraborty	WF9:00-10:15 [OE-2]
<b>Extra Credits</b>					
1.	CE493A	0-0-0-9 (09)	B. Tech Project III	DPGC Convener	--

**Department of Civil Engineering: Schedule of Courses for 2017-18 1<sup>st</sup> Semester**

<b>UG Open Electives (OE)</b>					
<b>[List All Courses (Including D, DE and PG Courses) Declared as Open Elective]</b>					
<b>S. No.</b>	<b>Course No.</b>	<b>L-T-P-A (Units)</b>	<b>Course Title</b>	<b>Instructor</b>	<b>Slot</b>
1.	CE213A	3-0-0-0 (09)	Introduction to Environmental Science	AnubhaGoel	MWF17:10-18:00 [OE-1]
2.	CE666A	3-0-0-0 (09)	Air Pollution and its Control	Mukesh Sharma	MTh14:00 – 15:15 [PG-13 / DE-4/OE-4]
3.	CE678A	3-0-0-0 (09)	Introduction to Geodesy	B Nagarajan	TTh15:35-16:50 [PG-15/DE-6/OE-6]
<b>UG Minors [List All Courses (including D, DE, OE and PG courses) Declared as Minor]</b>					
<b>S. No.</b>	<b>Course No.</b>	<b>L-T-P-A (Units)</b>	<b>Course Title</b>	<b>Instructor</b>	<b>Slot</b>
1.	CE241A	3-0-0-0 (09)	Sustainable Built Environment	Tarun Gupta	MWF17:10-18:00 [OE-1]
2.	CE640A	2-0-0-0 (06)	Infrastructure Asset Management	Sudhir Mishra	TTh15:35-16:25 [PG-15/OE-6]
3.	CE641a	3-0-0-0 (05)	Project Management	K V Harish	MF8:00 T9:00 [PG-1/OE-7]

**Department of Civil Engineering: Schedule of Courses for 2017-18 1<sup>st</sup> Semester**

<b>PG Courses [List all PG courses, including those declared DE, OE or part of minor]</b>					
<b>S. No.</b>	<b>Course No.</b>	<b>L-T-P-A (Units)</b>	<b>Course Title</b>	<b>Instructor</b>	<b>Slot</b>
1.	CE620A	3-0-0-0 (09)	Structural Dynamics	Chinmoy Kolay	Lec. TWTh8:00 [PG-10]
2.	CE621A	3-0-0-0 (09)	Engineering Mechanics	Vinay K Gupta	TTh15:35-16:50 [PG-15]
3.	CE723A	3-0-0-0 (09)	Finite Element Methods for Civil Engineering Applications	Suparno Mukhopadhyay	M15:35 – 16:50 T14:00 – 15:15 [PG-14 / DE-5]
4.	CE651A	3-0-0-0 (09)	Special Concretes	K V Harish	M15:35 – 16:50 T14:00 – 15:15 [PG-14 / DE-5]
5.	CE631A	3-0-0-0 (09)	Advanced Geotechnical Engineering	Arghya Das	TTh15:35-16:50 [PG-15 / DE-6]
6.	CE638A	2-0-3-0 (09)	Geotechnical Measurements and Explorations	Nihar R Patra	T11:00-11:50 Th17:10-18:00 [PG-12] Lab.W14:00-17:50
7.	CE635A	3-0-0-0 (09)	Foundation Dynamics	Priyanka Ghosh	MTh14:00-15:15 [PG-13/DE-4]
8.	CE610A	3-0-0-0 (09)	Advanced Hydrology	Ashu Jain	MF8:00 T9:00 [PG-1]
9.	CE611A	3-0-0-0 (09)	Advanced Hydraulics	Saumyen Guha	Lec. TWTh8:00 [PG-10]
10.	CE614A	3-0-0-0 (09)	Stochastic Hydrology	Shivam Tripathi	M15:35 – 16:50 T14:00 – 15:15 [PG-14 / DE-5]
11.	CE664A	3-0-0-0 (09)	Physicochemical Principles and Processes	Purnendu Bose	TTh15:35-16:50 [PG-15/DE-6]
12.	CE665A	3-0-0-0 (09)	Ecological and Biological Principles	Vinod Tare	T11:00 W16:00, Th17:10 [PG-12]
13.	CE666A	3-0-0-0 (09)	Air Pollution and its Control	Mukesh Sharma	MTh14:00 – 15:15 [PG-13 / DE-4/OE-4]
14.	CE681A	3-0-0-0 (09)	Characterization of Pavement Materials	Syam Nair	MTh14:00-15:15 [PG-13/DE-4]
15.	CE683A	3-0-0-0 (09)	Traffic Engineering	Vinod Vasudevan	TTh15:35-16:50 [PG-15/DE-6]
16.	CE682A	3-0-0-0 (09)	Analysis of Pavement Structures	Animesh Das	M15:35 – 16:50 T14:00 – 15:15 [PG-14]
17.	CE671A	3-0-2-0 (11)	Introduction to Remote Sensing	Bharal Lohani	T11:00 W16:00 Th17:10 [PG-12] Lab. F14:00-16:50
18.	CE677A	3-0-0-0 (09)	Geospatial Data Processing	Onkar Dixit	MTh14:00-15:15 [PG-13]
19.	CE678A	3-0-0-0 (09)	Introduction to Geodesy	B Nagarajan	TTh15:35-16:50 [PG-15/DE-6/OE-6]

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<b>PG Courses [List all PG courses, including those declared DE, OE or part of minor]</b>					
<b>S. No.</b>	<b>Course No.</b>	<b>L-T-P-A (Units)</b>	<b>Course Title</b>	<b>Instructor</b>	<b>Slot</b>
20.	CE640A	2-0-0-0 (06)	Infrastructure Asset Management	Sudhir Mishra	TTh15:35-16:25 [PG-15/OE-6]
21.	CE641a	3-0-0-0 (05)	Project Management	K V Harish	MF8:00 T9:00 [PG-1/OE-7]
22.	CE603A	1.5-0-0-0 (05)	Mathematics for Civil Engineers	Prishati Roychowdhury	M10:35-11:50 PG-3
23.	CE604A	1.5-0-0-0 (05)	Numerical Methods for Civil Engineers	Sachchida Nand Tripathi	M9:00-10:15 [PG-2]
24.	CE605A	1.5-0-0-0 (05)	Probability and Statistics for Civil Engineers	Mukesh Sharma	W10:35-11:50 PG-6 / OE-3
25.	CE606a	3-0-0-0 (05)	Optimization Methods for Civil Engineers	Partha Chakraborty	WF9:00-10:15 DE/OE-2
26.	CE697A	0-0-0-0 (00)	M.Tech Seminar I	DPGC Convener	T10:00-10:50 W15:00-15:50 PG-11
27.	CE699A	0-0-0-9 (09)	M. Tech Thesis	DPGC Convener	--
28.	CE791A	0-0-0-5 (05)	Literature Search and Review	DPGC Convener	--
29.	CE792A	0-0-0-5 (05)	Scientific Writing Skills	DPGC Convener	--
30.	CE793A	0-0-0-5 (05)	Scientific Presentation Skills	DPGC Convener	--
31.	CE794A	0-0-0-5 (05)	Scientific Data Analysis, Presentation and Interpretation	DPGC Convener	--
32.	CE797A	0-0-0-0 (00)	PhD Seminar I	DPGC Convener	T12:00-13:15 W12:00-13:15 F12:00-13:15 PG(T)
33.	CE798A	0-0-0-0 (00)	Ph.D Seminar II	DPGC Convener	T12:00-13:15 W12:00-13:15 F12:00-13:15 PG(T)
34.	CE799A	0-0-0-9 (09)	Ph.D Thesis	DPGC Convener	--
35.	CE897A	0-0-0-0 (00)	MS (Research) Seminar I	DPGC Convener	T10:00-10:50 W15:00-15:50 PG-11
36.	CE899A	0-0-0-9 (09)	MS (Research) Thesis	DPGC Convener	--

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<b>PG Laboratory</b>					
<b>S. No.</b>	<b>Course No.</b>	<b>L-T-P-A (Units)</b>	<b>Course Title</b>	<b>Instructor</b>	<b>Laboratory Schedule</b>
1.	CE638A	2-0-3-0 (09)	Geotechnical Measurements and Explorations	Nihar R Patra	W14:00-16:50
2.	CE671A	3-0-2-0 (11)	Introduction to Remote Sensing	Bharat Lohani	F15:00-16:50