

## Structure of Curriculum for 2015 scheme

### Semester I

Course Code	Course Title	Total Number of contact hours				Credits
		Lecture	Tutorial	Practical	Total Hours	
		(L)	(T)	(P)		
AS-101	Communication Skills	3	--	--		3
AS-151	Language Lab	--	--	2		1
AS-102	Engineering Physics - I	2	1	--		3
AS-152	Engineering Physics Lab. - I	--	--	2		1
AS-103	Engineering Chemistry - I	2	1	--		3
AS-153	Engineering Chemistry Lab. - I	--	--	2		1
AS-104	Engineering Maths - I	3	1	--		4
CE-101	Basics of Civil Engineering	2	1	--		3
ME-101	Basics of Mechanical Engineering	2	1	--		3
EE-101	Basics of Electrical Engineering	2	1	--		3
ME-151	Workshop	--	--	4		2
AS-101	Communication Skills	3	--	--		3
AS-151	Language Lab	--	--	2		1

### Semester II

AS-202	Engineering Physics - II	2	1	--		3
AS-252	Physics Lab. - II	--	--	2		1
AS-203	Engineering Chemistry - II	2	1	--		3
AS-253	Chemistry Lab. - II	--	--	2		1
AS-204	Engineering Maths. - II	3	1	--		4
AS-205	Innovative Sciences & Technology	2	1	--		4
EC-101	Basics of Electronics and Comm.	2	1	--		3
CS-101	Fundamentals of Computing	1	1	--		3
ME-250	Engineering Graphics	--	--	4		2

### Semester III

Course Code	Course Title	Total Number of contact hours				Credits
		Lecture	Tutorial	Practical	Total	
		(L)	(T)	(P)	Hours	
CE-301	Fluid Mechanics	3	1	-		4
CE-351	Fluid Mechanics Lab.	-	-	2		2
CE-302	Solid Mechanics	3	1	-		4
CE-352	Solid Mechanics Lab.	-	-	2		2
CE-303	Engineering Geology	4	-	-		4
CE-353	Engineering Geology lab.	-	-	2		2
CE-304	Civil Engineering Materials	4	-	-		4
CE-354	Civil Engineering Materials Lab.	-	-	2		2
CE-305	Numerical Methods	3	1	-		4

### Semester IV

CE-401	Structural Analysis - I	3	1	-		4
CE-451	Structural Analysis Lab. - I	-	-	2		2
CE-402	Hydraulics	3	1	-		4
CE-452	Hydraulics lab.	-	-	2		2
CE-403	Building Construction	4	-	-		4
CE-404	Estimating and Costing	3	1	-		4
CE-454	Civil Engineering Drawing	-	-	2		2
CE-405	Surveying	3	1	-		4
CE-455	Surveying Lab.	-	-	2		2

## Semester V

Course Code	Course Title	Total Number of contact hours				Credits
		Lecture	Tutorial	Practical	Total Hours	
		(L)	(T)	(P)		
CE-501	Structural Analysis-II	3	1	-		4
CE-502	Design of Concrete Structures	3	1	-		4
CE-552	Design of Concrete Structure Lab.	-	-	2		2
CE-503	Open Channel Flow	3	1	-		4
CE-504	Geotechnical Engineering	3	1	-		4
CE-554	Geotechnical Engineering Lab	-	-	2		2
CE-505	Environmental Engineering - I	3	1	-		4
CE-555	Environmental Engineering Lab-I	-	-	2		2
CE-556	Surveying Camp	-	-	2		2

## Semester VI

CE-601	Advanced Structural Analysis	3	1	-		4
CE-602	Transportation Engineering	3	1	-		4
CE-652	Transportation Engineering Lab.			2		2
CE-603	Design of Steel Structures	3	1	-		4
CE-653	Design of Steel Structures Lab			2		2
CE-604	Hydrology	3	1	-		4
CE-605	Environmental Engineering - II	3	1	-		4
CE-655	Environmental Engineering La -II	-	-	2		2

**Semester VII**

Course Code	Course Title	Total Number of contact hours				Credits
		Lecture	Tutorial	Practical	Total	
		(L)	(T)	(P)	Hours	
CE-701	Foundation Engineering	3	1	-		4
CE-702	Design of Structures	3	1	-		4
CE-752	Design of Structures Lab.	-	-	2		2
CE-703	Water Resources Engineering	3	1	-		4
CE-704	Engineering Economics & Construction Management	4	-	-		4
CE-754	Construction Management Lab	-	-	2		2
CE-711	Elective - I	4	-	-		4
CE-756	Summer Practical Training	-	-	-		2
CE-755	Minor Project	-	-	4		4

**Semester VIII**

CE-801	Irrigation Engineering	3	1	-		4
CE-811	Elective – II	4	-	-		4
CE-812	Elective – III	4	-	-		4
CE-813	Project	-	-	4		8
Total		119	33	60	0	211