SCHEME OF INSTRUCTION & EXAMINATION
B.E. VI - Semester
(CIVIL ENGINEERING)

S. No.	Course Code	Course Title	Scheme of Instruction				Scheme of Examination			
			L	T	P/D	Contact Hrs/Wk	CIE	SEE	Duration in Hrs	Credits
Theory Courses										
1	**PC 601 CE**	Steel Structures	3	1	-	4	30	70	3	3
2	**PC 602 CE**	Structural Engineering Design & Detailing – I (Concrete)	3	1	-	4	30	70	3	3
3	**PC 603 CE**	Theory of Structures – II	3	1	-	4	30	70	3	3
4	**PC 604 CE**	Water Resource Engineering II	3	-	-	3	30	70	3	3
5	**PC 605 CE**	Soil Mechanics	3	-	-	3	30	70	3	3
6	**PC 606 CE**	Transportation Engineering – II	3	-	-	3	30	70	3	3
7	**PE-II**	Professional Elective – II	3	-	-	3	30	70	3	3
8	**OE-I**	Open Elective – I	3	-	-	3	30	70	3	3
Practical/ Laboratory Courses										
9	**PC 651 CE**	Soil Mechanics Lab	-	-	2	2	25	50	3	1
10	**PC 652 CE**	Concrete Technology Lab	-	-	2	2	25	50	3	1
11	**PW 661 CE**	Survey Camp	-	-	-	-	-	50	3	2
		Total	**24**	**03**	**04**	**31**	**290**	**710**	**-**	**28**

PC: Professional Course   **PE**: Professional Elective   **OE**: Open Elective   **PW**: Project Work
L: Lecture   **T**: Tutorial   **P**: Practical   **D**: Drawing
CIE: Continuous Internal Evaluation   **SEE:** Semester End Examination (Univ. Exam)

Note -1:
1. Each contact hour is a Clock Hour
2. The duration of the practical class is two clock hours, however it can be extended wherever necessary, to enable the student to complete the experiment

Note-2:
* The students have to undergo a Summer Internship of four weeks duration after VI semester and credits will be awarded in VII semester after evaluation.
** Subject is not offered to the students of Civil Engineering Department

Open Elective-I:

S.No	Course Code	Course Title
1	OE601CE	Disaster Management**
2	OE602CE	Geo Spatial Techniques**
3	OE601CS	Operating Systems
4	OE602CS	OOP using Java
5	OE601IT	Database Systems
6	OE601EC	Principles of Embedded Systems
7	OE602EC	Digital System Design using HDL Verilog
8	OE601EE	Reliability Engineering
9	OE602EE	Basics of Power Electronics
10	OE601ME	Industrial Robotics
11	OE602ME	Material Handling
12	OE632AE	Automotive Safety & Ergonomics

Professional Elective – II

S.No.	Course Code	Course Title
1	PE 601 CE	Earthquake Resistant Design of Buildings
2	PE 602 CE	Wastewater Treatment
3	PE 603 CE	Ground Improvement Techniques
4	PE 604 CE	Watershed Management

SCHEME OF INSTRUCTION & EXAMINATION
B.E. VII - Semester
(CIVIL ENGINEERING)

S. No.	Course Code	Course Title	Scheme of Instruction				Scheme of Examination			Credits
			L	T	P/D	Contact Hrs/Wk	CIE	SEE	Duration in Hrs	
Theory Courses										
1	**PC 701 CE**	Str. Engg. Design and Drawing – II (Steel)	3	1	-	4	30	70	3	3
2	**PC 702 CE**	Estimation Costing & Specifications	3	1	-	4	30	70	3	3
3	**PC 703 CE**	Finite Element Techniques	3	-	-	3	30	70	3	3
4	**PC 704 CE**	Prestressed Concrete	3	-	-	3	30	70	3	3
5	**PC 705 CE**	Foundation Engineering	3	-	-	3	30	70	3	3
6		Open Elective – II	3	-	-	3	30	70	3	3
7		Open Elective – III	3	-	-	3	30	70	3	3
Practical/ Laboratory Courses										
8	**PC 751 CE**	Computer Application Lab	-	-	2	2	25	50	3	1
9	**PW 761 CE**	Project Work – I	-	-	4	4	50	-	-	2
10	**SI 762 CE**	Summer Internship	-	-	-	-	50	-	-	2
			21	**02**	**06**	**29**	**335**	**540**		**26**

Open Elective – II			Open Elective – III		
S. No.	Course Code	Course Title	S. No.	Course Code	Course Title
1	**OE 771 CE****	Green Building Technologies	1	**OE 781 CE****	Road Safety Engineering
2	**OE 772 CS**	Data Science Using R Programming	2	**OE 782 IT**	Software Engineering
3	**OE 773 EC**	Fundamentals of IoT	3	**OE 783 EC**	Principles of Electronic Communications
4	**OE 774 EE**	Non-Conventional Energy Sources	4	**OE 784 EE**	Illumination and Electric Traction systems
5	**OE 775 ME**	Entrepreneurship	5	**OE 785 ME**	Mechatronics

PC: Professional Course   PE: Professional Elective
L: Lectures   T: Tutorials   P: Practical   D: Drawing
CIE: Continuous Internal Evaluation   **SEE:** Semester End Examination (Univ. Exam)

Note: 1) Each contact hour is a Clock Hour
2) The practical class can be of two and half hour (clock hours) duration as per the requirement of a particular laboratory.

Note-2: * The students have to undergo a Summer Internship of four weeks' duration after VI semester and credits will be awarded in VII semester after evaluation.
** Subject is not offered to the students of Civil Engineering Department.

SCHEME OF INSTRUCTION& EXAMINATION
B.E. VIII - SEMESTER
(CIVIL ENGINEERING)

S. No.	Course Code	Course Title	Scheme of Instruction				Scheme of Examination			
			L	T	P/D	Contact Hrs/Wk	CIE	SEE	Duration in Hrs	Credits
Theory Courses										
1	**PC 801 CE**	Construction Management & Technology	3	-	-	3	30	70	3	3
2		Professional Elective – III	3	-	-	3	30	70	3	3
3		Professional Elective – IV	3	-	-	3	30	70	3	3
4		Professional Elective – V	3	-	-	3	30	70	3	3
5	**MC 901 EG**	Gender Sensitization	3	-	-	3	30	70	3	-
Practical/ Laboratory Courses										
6	**PW 961 CE**	Project Work – II	-	-	16	16	50	100	-	8
7		Mandatory Course	-	-	3	3	50	-	3	-
			15	-	19	34	250	450		20

Professional Elective – III			Professional Elective – IV		
S. No.	Course Code	Course Title	S. No.	Course Code	Course Title
1	**PE 821 CE**	Retrofitting and Rehabilitation of Structures	1	**PE 831 CE**	Structural Dynamics
2	**PE 822 CE**	Computer Aided Analysis and Design	2	**PE 832 CE**	Design with Geosynthetics
3	**PE 823 CE**	Applied Hydrology	3	**PE 833 CE**	Groundwater Management
4	**PE 824 CE**	Introduction to Climate Change	4	**PE 834 CE**	Intelligent Transportation Systems
Professional Elective – V			**Mandatory Course**		
1	**PE 841 CE**	Prefabrication Engineering	1	**MC 951 SP**	Yoga Practice
2	**PE 842 CE**	Principles of Green Building Practices	2	**MC 952 SP**	NSS
3	**PE 843 CE**	Advanced Reinforced Concrete Design	3	**MC 953 SP**	Sports
4	**PE 844 CE**	Traffic Engineering & Infrastructure Design			

PC: Professional Course   PE: Professional Elective
L: Lectures   T: Tutorials   P: Practical   D: Drawing
CIE: Continuous Internal Evaluation   **SEE:** Semester End Examination (Univ. Exam)

Note: 1) Each contact hour is a Clock Hour
2) The duration of the practical class is two clock hours, however it can be extended wherever necessary, to enable the student to complete the experiment