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**PERIYAR
 MANIAMMAI
 UNIVERSITY**
 Under Sec. 3 of UGC Act, 1956



NAAC ACCREDITED

**CIVIL ENGINEERING
 (SEVEN SEMESTER PART TIME)
 CURRICULUM 2009**

SEMESTER I

Code. No	Course Title	L	T	P	C
THEORY					
PCE101	Numerical Methods	3	1	0	4
PCE102	Mechanics of Solids-I	3	1	0	4
PCE103	Mechanics of Fluids-I	3	0	0	3
PCE104	Surveying – I	3	0	0	3
PRACTICAL					
PCE105	Concrete and Strength of Materials Lab	0	0	3	2

Total Hours:17

Total Credits:16

SEMESTER – II

Code. No	Course Title	L	T	P	C
THEORY					
PCE201	Mechanics of Solids II	3	1	0	4
PCE202	Mechanics of Fluids-II	3	0	0	3
PCE203	Surveying –II	3	0	0	3
PCE204	Geotechnical Engineering-I	3	0	0	3
PRACTICAL					
PCE205	Hydraulic Engineering Lab	0	0	3	2

Total Hours:16

Total Credits:15

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Semester III

Code. No	Course Title	L	T	P	C
THEORY					
PCE301	Environmental Engineering-I	3	0	0	3
PCE302	Structural Analysis - I	3	1	0	4
PCE303	Design and Detailing of Steel Structures	3	1	0	4
PCE304	Transportation Engineering – I	3	0	0	3
PRACTICAL					
PCE305	Geo technical Laboratory	0	0	3	2

Total Hours:17

Total Credits:16

Semester IV

Code. No	Course Title	L	T	P	C
THEORY					
PCE401	Social Engineering	3	0	0	3
PCE402	Design and Detailing of RCC Structures - I	3	1	0	4
PCE403	Environmental Engineering – II	3	0	0	3
PCE404	Structural Analysis – II	3	1	0	4
PRACTICAL					
PCE405	Environmental Engineering Lab	0	0	3	2

Total Hours:17

Total Credits:16

Semester V

Code. No	Course Title	L	T	P	C
THEORY					
PCE501	Design and Detailing of RCC Structures – II	3	1	0	4
PCE502	Transportation Engineering - II	3	0	0	3
PCE503	Water Resources Planning and Management	3	0	0	3
PCE504*	Elective - I	3	0	0	3
PRACTICAL					
PCE505	Design and Drawing – II (Irrigation and Environmental Engg.)	0	0	4	2

Total Hours:17

Total Credits:15

Semester VI

Code. No	Course Title	L	T	P	C
	THEORY				
PCE601	Professional Ethics and Human Values	3	0	0	3
PCE602	Basics of Earthquake Engineering and Seismic Design	3	1	0	4
PCE603	Prestressed Concrete Structures	3	1	0	4
PCE604*	Elective – II	3	0	0	3
	PRACTICAL				
PCE605	Computer Aided Structural Design and Detailing	0	0	4	2

Total Hours:18

Total Credits:16

* Denotes A, B, C, D and E

Semester VII

Code. No	Course Title	L	T	P	C
	THEORY				
PCE701	Entrepreneurial Development Management	3	0	0	3
PCE702	Estimation, Costing and Valuation	3	0	0	3
PCE703*	Elective – III	3	0	0	3
	PRACTICAL				
PCE704	Main Project	0	0	12	6
	TOTAL	9	0	12	15

Total Hours:21

Total Credits:15

* Denotes A, B, C, D and E

TOTAL CREDITS : 109

LIST OF ELECTIVES

Elective - I

Code. No	Course Title	L	T	P	C
PCE504A	Industrial and tall Structure	3	0	0	3
PCE504B	Smart Material and Structures	3	0	0	3
PCE504C	Design of plate and shell Structures	3	0	0	3
PCE504D	Traffic Engineering and Management	3	0	0	3
PCE504E	Urban and Regional Planning	3	0	0	3

Elective - II

Code. No	Course Title	L	T	P	C
PCE604A	Air pollution control and management	3	0	0	3
PCE604B	Solid and Hazardous waste Management	3	0	0	3
PCE604C	Industrial waste water management	3	0	0	3
PCE604D	Environmental Impact Assessment	3	0	0	3
PCE604E	Unit operations and Processes in Environmental Engineering	3	0	0	3

Elective - III

Code. No	Course Title	L	T	P	C
PCE703A	Advanced foundation Engineering	3	0	0	3
PCE703B	Geo Environment Engineering	3	0	0	3
PCE703C	Finite Element Method	3	0	0	3
PCE703D	Disaster Management	3	0	0	3
PCE703E	Advanced Pavement Design	3	0	0	3

- L → LECTURE HOURS
T → TUTORIAL HOURS
P → PRACTICAL HOURS
C → CREDITS HOURS

