



Shri Vithal Education & Research Institute's

COLLEGE OF ENGINEERING, PANDHARPUR



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Website.: www.sveri.ac.in (Approved by AICTE., New Delhi and Affiliated to Solapur University, Solapur)
NBA Accredited all eligible UG Programmes, NAAC Accredited Institute, ISO 9001:2015 Certified Institute.
Accredited by The Institution of Engineers (India), Kolkata and TCS, Pune.

Ref.:-

Date:-

1.2.1 List of programs in which Choice Based Credit System (CBCS)/elective course system has been implemented

| Programme Name : Civil Engineering | | | |
|------------------------------------|------------------------|--|---|
| Programme Code: 1-1408968331 | | | |
| Sr. No. | Class Name | Status of implementation of CBCS / elective course system (Yes/No) | Year of implementation of CBCS / elective course system |
| 1. | B.E. Civil Engineering | Yes (Elective) | 2015-16 |



B. Range
PRINCIPAL,
College of Engineering
PANDHARPUR



SOLAPUR UNIVERSITY, SOLAPUR

FACULTY OF ENGINEERING & TECHNOLOGY

CIVIL ENGINEERING

Syllabus for

B.E. (Civil Engineering) w. e. f. Academic Year 2015-16

॥ विद्याया संपन्नता ॥

w. e. f. Academic Year 2015-16

Solapur University, Solapur
Structure of B .E. (Civil Engineering)
w. e. f. Academic Year 2015-16.

B.E. (Civil Engineering) Semester –VII

| Sr. No. | Subject | Teaching/Week | | | | | Examination scheme | | | | |
|--------------|---|---------------|-----|-----|-----|-------|--------------------|----------|-----|----|----------|
| | | L | Pr. | Tu. | Dr. | Total | Theory | TW | POE | OE | Total |
| 1 | Design of Concrete Structures-I | 3 | - | 1 | - | 4 | 100 | 25 | - | - | 125 |
| 2 | Quantity Surveying & Valuation | 3 | 4 | - | - | 7 | 100 | 50 | 50 | - | 200 |
| 3 | Earthquake Engg. | 3 | 2 | - | - | 5 | 100 | 25 | - | - | 125 |
| 4 | Water Resources Engg. II | 3 | 2 | - | - | 5 | 100 | 25 | - | 25 | 150 |
| 5 | Elective - I | 3 | 2 | - | - | 5 | 100 | 25 | - | 25 | 150 |
| 6 | Seminar | - | 2 | - | - | 2 | - | 50 | - | - | 50 |
| 7 | a) Project work b) Assessment of report on field training-II | - | 2 | - | - | 2 | - | 25 25 | - | - | 25 25 |
| Total | | 15 | 14 | 1 | - | 30 | 500 | 250 | 50 | 50 | 850 |

B.E. (Civil Engineering) Semester –VIII

| Sr. No. | Subject | Teaching/Week | | | | | Examination scheme | | | | |
|--------------|--|---------------|-----|-----|-----|-------|--------------------|-----|-----|-----|-------|
| | | L | Pr. | Tu. | Dr. | Total | Theory | TW | POE | OE | Total |
| 1 | Design of Concrete Structures-II | 4 | 2 | - | - | 6 | 100 | 25 | - | - | 125 |
| 2 | Construction Practices and Town Planning | 4 | - | - | - | 4 | 100 | 25 | - | - | 125 |
| 3 | Elective - II | 3 | 2 | - | - | 5 | 100 | 25 | - | 25 | 150 |
| 4 | Elective - III | 3 | 2 | - | - | 5 | 100 | 50 | - | - | 150 |
| 5 | R. C. C. Structural Design & Drawing-II | - | - | - | 4 | 4 | - | 50 | - | 50 | 100 |
| 6 | Project work | - | 6 | - | - | 6 | - | 100 | - | 100 | 200 |
| Total | | 14 | 12 | - | 4 | 30 | 400 | 275 | - | 175 | 850 |

Notes:

- (1) Project group be of @ 7 students.
- (2) Elective subject can be offered from the following list, if minimum 15 students opt for that subject.
- (3) Term work assessment: Term Work assessment shall be a continuous process based on the Performance of the student in assignments, class tests, quizzes, attendance and interaction during theory and lab sessions, journal writing, report presentation etc., as applicable

w. e. f. Academic Year 2015-16

B. E. (CIVIL) - LIST OF ELECTIVES

| B. E. Civil Part-I | | B. E. Civil Part-II | | | |
|--------------------|--|---------------------|--|--------------|-------------------------------------|
| ELECTIVE I | | ELECTIVE II | | ELECTIVE III | |
| 5.1 | Open Channel & River Hydraulics | 3.1 | Advanced Engg. Geology | 4.1 | Advanced Design of Steel Structures |
| 5.2 | Air Pollution & control | 3.2 | Ground improvement Techniques | 4.2 | Industrial Waste Treatment |
| 5.3 | Design of Foundations | 3.3 | Traffic Engg. & Control | 4.3 | Water Power Engg. |
| 5.4 | Advanced Design of Concrete Structures | 3.4 | Infrastructural Engineering | 4.4 | Advanced Concrete Technology |
| 5.5 | Managerial Techniques | 3.5 | Project Appraisal | 4.5 | Reliability Engg. |
| 5.6 | Computer Applications in Civil Engg | 3.6 | Solid and Hazardous & Waste Management | 4.6 | Finite Element Method |
| 5.7 | Advanced structures | 3.7 | Dynamics of Structures | 4.7 | Experimental Stress Analysis |
| 5.8 | Entrepreneurship | 3.8 | Environmental Management | 4.8 | Optimization Techniques |
| 5.9 | Remote Sensing and GIS Applications | 3.9 | Design of Bridges | 4.9 | Disaster Management |

