<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Name</th>
<th>L-T-P-Credits</th>
<th>Year of Introduction</th>
</tr>
</thead>
<tbody>
<tr>
<td>CE404</td>
<td>CIVIL ENGINEERING PROJECT</td>
<td>3-0-0-3</td>
<td>2016</td>
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<tr>
<td></td>
<td>MANAGEMENT</td>
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Prerequisite: HS300 Principles of Management

Course objectives:
- To impart knowledge on principles of planning and scheduling projects, with emphasis on construction.
- To understand the uses and suitability of various construction equipment.
- To study the legal and ethical issues related to construction projects.
- To become familiar with TQM and similar concepts related to quality.
- To impart knowledge in the principles of safe construction practices.
- To understand the need of ethical considerations in construction.

Syllabus: Construction Planning and Scheduling, Construction disputes and settlement, Ethics in Construction, Construction safety, Principles of Materials management, Quality management practices, Construction procedures.

Expected Outcomes:
The students will be able to:
- i. Plan and schedule a construction project.
- ii. Select an appropriate construction equipment for a specific job.
- iii. Familiarise the legal procedures in construction contracts.
- iv. Formulate suitable quality management plan for construction.
- v. Familiarise the safety practices and procedures.
- vi. Apply principles of ethics in decision making.

Text Books:

Reference Books:
3. F. Harris, Modern Construction and Ground Engineering Equipment and Methods, Prentice Hall, 1994
7. National Building Code, BIS

| COURSE PLAN |
|-------------|-----------|----------|
| Module      | Contents  | Hours    | Sem. Exam Marks % |
|             |           |          |                   |
## I

| 7 | 15 |

## II
Crashing and time –cost trade off, Resource smoothing and resources levelling - Construction, equipment, material and labour schedules. Preparation of job layout.

| 7 | 15 |

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### FIRST INTERNAL EXAMINATION

#### III

| 6 | 15 |

#### IV
Concept of ethics – Professional ethics – ethical problems – provisions of a professional code – Role of professional bodies.Project management information system- Concept – Information system computerization – Acquiring a system – Problems in information system management - Benefits of computerized information system.

| 7 | 15 |

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### SECOND INTERNAL EXAMINATION

#### V

| 7 | 20 |

#### VI

| 8 | 20 |

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### END SEMESTER EXAMINATION

**QUESTION PAPER PATTERN (End semester examination)**

<table>
<thead>
<tr>
<th>Maximum Marks :100</th>
<th>Exam Duration: 3 Hrs</th>
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<tbody>
<tr>
<td>Part A - Module I &amp; II : 2 questions out of 3 questions carrying 15 marks each</td>
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<tr>
<td>Part B - Module III &amp; IV: 2 questions out of 3 questions carrying 15 marks each</td>
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<tr>
<td>Part C - Module V &amp; VI: 2 questions out of 3 questions carrying 20 marks each</td>
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</tbody>
</table>

**Note:**
1. Each part should have at least one question from each module
2. Each question can have a maximum of 4 subdivisions (a, b, c, d)