

| Savitribai Phule University of Pune           |   |                              |          |           |                              |         |     |     |    |       |           |              |  |
|---|---|------------------------------|----------|-----------|------------------------------|---------|-----|-----|----|-------|-----------|--------------|--|
| Third Year Computer Engineering (2015 Course) |   |                              |          |           |                              |         |     |     |    |       |           |              |  |
| (with effect from 2017-18)                    |   |                              |          |           |                              |         |     |     |    |       |           |              |  |
| Semester I                                    |   |                              |          |           |                              |         |     |     |    |       |           |              |  |
| Course Code                                   | Course  | Teaching Scheme Hours / Week |          |           | Examination Scheme and Marks |         |     |     |    |       | Credit    |              |  |
|   |   | Theory                       | Tutorial | Practical | In-Sem                       | End-Sem | TW  | PR  | OR | Total | TH/TUT    | PR           |  |
| 310241  | <a href="#">Theory of Computation</a>                           | 03                           | --       | --        | 30                           | 70      | --  | --  | -- | 100   | 03        | --           |  |
| 310242  | <a href="#">Database Management Systems (DBMS)</a>              | 03                           | --       | --        | 30                           | 70      | --  | --  | -- | 100   | 03        | --           |  |
| 310243  | <a href="#">Software Engineering &amp; Project Management</a>   | 03                           | --       | --        | 30                           | 70      | --  | --  | -- | 100   | 03        | --           |  |
| 310244  | <a href="#">Information Systems &amp; Engineering Economics</a> | 03                           | --       | --        | 30                           | 70      | --  | --  | -- | 100   | 03        | --           |  |
| 310245  | <a href="#">Computer Networks (CN)</a>                          | 04                           | --       | --        | 30                           | 70      | --  | --  | -- | 100   | 04        | --           |  |
| 310246  | <a href="#">Skills Development Lab</a>                          | --                           | 02       | 04        | --                           | --      | 50  | --  | 50 | 100   | 02        | 02           |  |
| 310247  | <a href="#">DBMS Lab</a>  | --                           | --       | 04        | --                           | --      | 25  | 50  | -- | 75    | --        | 02           |  |
| 310248  | <a href="#">CN Lab</a>  | --                           | --       | 02        | --                           | --      | 25  | 50  | -- | 75    | --        | 01           |  |
| <b>Total Credit</b>                           |   |                              |          |           |                              |         |     |     |    |       | 18        | 05           |  |
| <b>Total</b>                                  |   | 16                           | 02       | 10        | 150                          | 350     | 100 | 100 | 50 | 750   | <b>23</b> |              |  |
| 310249  | <a href="#">Audit Course 3</a>                                  |                              |          |           |                              |         |     |     |    |       |           | <b>Grade</b> |  |

### 310249-Audit Course 3 (AC3) Options:

AC3-I: Cyber Security

AC3-II: Professional Ethics and Etiquettes

AC3-III: Emotional Intelligence

AC3-IV: MOOC- Learn New Skills

AC3-V: Foreign Language (Japanese- Module 3)

### Abbreviations:

**TW:** Term Work    **TH:** Theory    **OR:** Oral    **TUT:** Tutorial    **PR:** Practical    **Sem:** Semester

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| Third Year Computer Engineering (2015 Course) |   |                 |        |          |                              |        |         |     |    |     |        |              |    |
| (with effect from 2017-18)                    |   |                 |        |          |                              |        |         |     |    |     |        |              |    |
| Semester II                                   |   |                 |        |          |                              |        |         |     |    |     |        |              |    |
| Course Code                                   | Course  | Teaching Scheme |        |          | Examination Scheme and Marks |        |         |     |    |     | Credit |              |    |
|   |   | Hours / Week    | Theory | Tutorial | Practical                    | In-Sem | End-Sem | TW  | PR | OR  | Total  | TH/<br>TUT   | PR |
| 310250  | <u>Design &amp; Analysis of Algorithms</u>                      | 04              | --     | --       | --                           | 30     | 70      | --  | -- | --  | 100    | 04           | -- |
| 310251  | <u>Systems Programming &amp; Operating System (SP &amp; OS)</u> | 04              | --     | --       | --                           | 30     | 70      | --  | -- | --  | 100    | 04           | -- |
| 310252  | <u>Embedded Systems &amp; Internet of Things (ES &amp; IoT)</u> | 04              | --     | --       | --                           | 30     | 70      | --  | -- | --  | 100    | 04           | -- |
| 310253  | <u>Software Modeling and Design</u>                             | 03              | --     | --       | --                           | 30     | 70      | --  | -- | --  | 100    | 03           | -- |
| 310254  | <u>Web Technology</u>   | 03              | --     | --       | --                           | 30     | 70      | --  | -- | --  | 100    | 03           | -- |
| 310255  | <u>Seminar &amp; Technical Communication</u>                    | --              | 01     | --       | --                           | --     | --      | 50  | -- | --  | 50     | 01           | -- |
| 310256  | <u>Web Technology Lab</u>                                       | --              | --     | --       | 02                           | --     | --      | 25  | 50 | --  | 75     | --           | 01 |
| 310257  | <u>SP &amp; OS Lab</u>  | --              | --     | --       | 04                           | --     | --      | 25  | 50 | --  | 75     | --           | 02 |
| 310258  | <u>ES &amp; IoT Lab</u>   | --              | --     | --       | 02                           | --     | --      | 50  | -- | --  | 50     | --           | 01 |
| <b>Total Credit</b>                           |   |                 |        |          |                              |        |         |     |    |     | 19     | 04           |    |
| <b>Total</b>                                  |   | 18              | 01     | 08       | 150                          | 350    | 150     | 100 | -- | 750 | 23     |              |    |
| 310259  | <u>Audit Course 4</u>   |                 |        |          |                              |        |         |     |    |     |        | <b>Grade</b> |    |

### 310259-Audit Course 4(AC4) Options:

**AC4-I:** Digital and Social Media Marketing

**AC4-II:** Green Computing

**AC4-III:** Sustainable Energy Systems

**AC4-IV:** Leadership and Personality Development

**AC4-V:** Foreign Language (Japanese- Module 4)

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