

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 | <u>Theory of Computation</u> | 03 | -- | -- | 30 | 70 | -- | -- | -- | 100 | 03 | -- | |
| 310242 | <u>Database Management Systems (DBMS)</u> | 03 | -- | -- | 30 | 70 | -- | -- | -- | 100 | 03 | -- | |
| 310243 | <u>Software Engineering & Project Management</u> | 03 | -- | -- | 30 | 70 | -- | -- | -- | 100 | 03 | -- | |
| 310244 | <u>Information Systems & Engineering Economics</u> | 03 | -- | -- | 30 | 70 | -- | -- | -- | 100 | 03 | -- | |
| 310245 | <u>Computer Networks (CN)</u> | 04 | -- | -- | 30 | 70 | -- | -- | -- | 100 | 04 | -- | |
| 310246 | <u>Skills Development Lab</u> | -- | 02 | 04 | -- | -- | 50 | -- | 50 | 100 | 02 | 02 | |
| 310247 | <u>DBMS Lab</u> | -- | -- | 04 | -- | -- | 25 | 50 | -- | 75 | -- | 02 | |
| 310248 | <u>CN Lab</u> | -- | -- | 02 | -- | -- | 25 | 50 | -- | 75 | -- | 01 | |
| Total Credit | | | | | | | | | | | 18 | 05 | |
| Total | | 16 | 02 | 10 | 150 | 350 | 100 | 100 | 50 | 750 | 23 | | |
| 310249 | <u>Audit Course 3</u> | | | | | | | | | | | Grade | |

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

Savitribai Phule University of Pune
Third Year Computer Engineering (2015 Course)
(with effect from 2017-18)

Semester II

| 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 |
| 310250 | <u>Design & Analysis of Algorithms</u> | 04 | -- | -- | 30 | 70 | -- | -- | -- | 100 | 04 | |
| 310251 | <u>Systems Programming & Operating System (SP & OS)</u> | 04 | -- | -- | 30 | 70 | -- | -- | -- | 100 | 04 | -- |
| 310252 | <u>Embedded Systems & Internet of Things (ES & 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 & Technical Communication</u> | -- | 01 | -- | -- | -- | 50 | -- | -- | 50 | 01 | -- |
| 310256 | <u>Web Technology Lab</u> | -- | -- | 02 | -- | -- | 25 | 50 | -- | 75 | -- | 01 |
| 310257 | <u>SP & OS Lab</u> | -- | -- | 04 | -- | -- | 25 | 50 | -- | 75 | -- | 02 |
| 310258 | <u>ES & IoT Lab</u> | -- | -- | 02 | -- | -- | 50 | -- | -- | 50 | -- | 01 |
| Total Credit | | | | | | | | | | | 19 | 04 |
| Total | | 18 | 01 | 08 | 150 | 350 | 150 | 100 | -- | 750 | 23 | |
| 310259 | <u>Audit Course 4</u> | | | | | | | | | | | Grade |

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).

Abbreviations:

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

Savitribai Phule Pune University
Second Year of Computer Engineering (2015 Course)
 (With effect from Academic Year 2016-17)

Semester I

| Course Code | Course Name | Teaching Scheme Hours / Week | | | Examination Scheme & Marks | | | | | | Credit | |
|--------------|---|---------------------------------|----------|-----------|-------------------------------|---------|-----|-----|----|-------|----------|----|
| | | Theory | Tutorial | Practical | In-Sem | End-Sem | TW | PR | OR | Total | TH + TUT | PR |
| 210241 | <u>Discrete Mathematics</u> | 04 | -- | -- | 50 | 50 | -- | -- | -- | 100 | 04 | -- |
| 210242 | <u>Digital Electronics and Logic Design</u> | 04 | -- | -- | 50 | 50 | -- | -- | -- | 100 | 04 | -- |
| 210243 | <u>Data Structures and Algorithms</u> | 04 | -- | -- | 50 | 50 | -- | -- | -- | 100 | 04 | -- |
| 210244 | <u>Computer Organization and Architecture</u> | 04 | -- | -- | 50 | 50 | -- | -- | -- | 100 | 04 | -- |
| 210245 | <u>Object Oriented Programming</u> | 04 | -- | -- | 50 | 50 | -- | -- | -- | 100 | 04 | -- |
| 210246 | <u>Digital Electronics Lab</u> | -- | -- | 02 | -- | -- | 25 | 50 | -- | 75 | -- | 01 |
| 210247 | <u>Data Structures Lab</u> | -- | -- | 04 | -- | -- | 25 | 50 | -- | 75 | -- | 02 |
| 210248 | <u>Object Oriented Programming Lab</u> | -- | -- | 02 | -- | -- | 25 | 50 | -- | 75 | -- | 01 |
| 210249 | <u>Soft Skills</u> | -- | -- | 02 | -- | -- | 25 | -- | -- | 25 | -- | 01 |
| Total | | | | | | | | | | | 20 | 05 |
| 210250 | <u>Audit Course 1</u> | -- | -- | -- | -- | -- | -- | -- | -- | -- | Grade | |
| Total | | 20 | -- | 10 | 250 | 250 | 100 | 150 | -- | 750 | 25 | |

Abbreviations:

TW: Term Work
 OR: Oral
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TH: Theory
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 Sem: Semester

sws
Principal

Sir Visvesvaraya Institute of Technology
 Chincholi, Nasik-422102

Savitribai Phule Pune University
Second Year of Computer Engineering (2015 Course)
 (With effect from Academic Year 2016-17)
Semester II

| Course Code | Course Name | Teaching Scheme Hours / Week | | | Examination Scheme & Marks | | | | | | Credits | |
|--------------|--|---------------------------------|----------|-----------|-------------------------------|---------|-----|-----|----|-------|---------|----|
| | | Theory | Tutorial | Practical | In-Sem | End-Sem | TW | PR | OR | Total | TH+TUT | PR |
| 207003 | <u>Engineering Mathematics III</u> | 04 | 01 | -- | 50 | 50 | 25 | -- | -- | 125 | 05 | -- |
| 210251 | <u>Computer Graphics</u> | 04 | -- | -- | 50 | 50 | -- | -- | -- | 100 | 04 | -- |
| 210252 | <u>Advanced Data Structures</u> | 04 | -- | -- | 50 | 50 | -- | -- | -- | 100 | 04 | -- |
| 210253 | <u>Microprocessor</u> | 04 | -- | -- | 50 | 50 | -- | -- | -- | 100 | 04 | -- |
| 210254 | <u>Principles of Programming Languages</u> | 03 | -- | -- | 50 | 50 | -- | -- | -- | 100 | 03 | -- |
| 210255 | <u>Computer Graphics Lab</u> | -- | -- | 02 | -- | -- | 25 | 50 | -- | 75 | -- | 01 |
| 210256 | <u>Advanced Data Structures Lab</u> | -- | -- | 04 | -- | -- | 25 | 50 | -- | 75 | -- | 02 |
| 210257 | <u>Microprocessor Lab</u> | -- | -- | 04 | -- | -- | 25 | 50 | -- | 75 | -- | 02 |
| Total | | | | | | | | | | | 20 | 05 |
| 210258 | <u>Audit Course 2</u> | -- | -- | -- | -- | -- | -- | -- | -- | -- | Grade | |
| Total | | 19 | 01 | 10 | 250 | 250 | 100 | 150 | -- | 750 | 25 | |

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