

**Autonomous Program Structure of
Third Year B. Tech. Fifth Semester
(Information Technology)**

Academic Year: 2022-2023 Onwards

| Course Code | Course Title | Teaching Scheme Hours /Week | | | Examination Scheme | | | | Total Marks | Credit |
|-------------|---------------------------------------|--------------------------------|----------|-----------|--------------------|------------|-----------|-----------|-------------|-----------|
| | | Lecture | Tutorial | Practical | In Sem | End Sem | Oral | Practical | | |
| 20IT 501 | Theory of Computation | 3 | 1 | 0 | 50 | 50 | 0 | 0 | 100 | 4 |
| 20IT 502 | Design and Analysis of Algorithms | 3 | 1 | 0 | 50 | 50 | 0 | 0 | 100 | 4 |
| 20IT 503 | Machine Learning | 3 | 1 | 0 | 50 | 50 | 0 | 0 | 100 | 4 |
| 20PEIT 501 | Programme Elective-I | 3 | 0 | 0 | 50 | 50 | 0 | 0 | 100 | 3 |
| 20PEIT 502 | Programme Elective-II* | 3 | 0 | 0 | 50 | 50 | 0 | 0 | 100 | 3 |
| 20OEHS 501 | Open HS Elective –I | 3 | 0 | 0 | 50 | 50 | 0 | 0 | 100 | 3 |
| 20IT 502L | Design and Analysis of Algorithms Lab | 0 | 0 | 2 | 25 | 0 | 0 | 25 | 50 | 1 |
| 20IT 503L | Machine Learning Lab | 0 | 0 | 2 | 25 | 0 | 25 | 0 | 50 | 1 |
| 20PEIT 501L | Programme Elective Lab- I | 0 | 0 | 2 | 25 | 0 | 25 | 0 | 50 | 1 |
| | Total | 18 | 3 | 6 | 375 | 300 | 50 | 25 | 750 | 24 |
| | Grand Total | 27 | | | 750 | | | | | |

*NPTEL / Swayam Course

| | |
|---|--|
| Programme Elective – I 20PEIT 501 A Artificial Intelligence 20PEIT 501 B Business Intelligence 20PEIT 501 C Computer Graphics and Animation | Programme Elective – I Lab 20PEIT 501L A Artificial Intelligence 20PEIT 501L B Business Intelligence 20PEIT 501L C Computer Graphics and Animation |
| Programme Elective – II 20PEIT 502 A Blockchain Architecture Design and Use Cases 20PEIT 502 B Internet of Things | |

Department of Information Technology
APPROVED BY
Secretary Governing Body
MKSSS's Cummins College of Engineering
For Women, Pune-411052



APPROVED BY
Chairman Governing Body
MKSSS's Cummins College of Engineering
For Women, Pune-411052

MKSSS's Cummins College of Engineering for Women, Pune
(An Autonomous Institute Affiliated to SavitribaiPhule Pune University)



20OEHS 501 Open Elective I (Humanities)

| Sr. No. | Course Code | Course Title |
|---------|-------------|-----------------------------------|
| 1 | 20OEHS501A | Entrepreneurship Development |
| 2 | 20OEHS501B | Intellectual Property Rights |
| 3 | 20OEHS501C | Introduction to Digital Marketing |
| 4 | 20OEHS501D | Law for Engineers |
| 5 | 20OEHS501E | Organizational Behaviour |
| 6 | 20OEHS501F | Project Management |

