## Academic Council 11/05/2017

Item No:

## UNIVERSITY OF MUMBAI



## Svllabus for S.Y.B.Sc.

Programme: B.Sc.
Course: Information Technology
with effect from the academic year
2017-2018.

| Semester-3 |  |  |  |
| :--- | :--- | :--- | :---: |
| Course Code | Course Type | Course Title | Credits |
| USIT301 | Skill Enhancement Course | Python Programming | 2 |
| USIT302 | Core Subject | Data Structures | 2 |
| USIT303 | Core Subject | Computer Networks. | 2 |
| USIT304 | Core Subject | Database Management Systems | 2 |
| USIT305 | Core Subject | Applied Mathematics | 2 |
| USIT3P1 | Skill Enhancement Course <br> Practical | Python Programming Practical | 2 |
| USIT3P2 | Core Subject Practical | Data Structures Practical | 2 |
| USIT3P3 | Core Subject Practical | Computer Networks Practical | 2 |
| USIT3P4 | Core Subject Practical | Database Management Systems <br> Practical | 2 |
| USIT3P5 | Core Subject Practical | Mobile Programming Practical | 2 |
| Total Credits |  |  |  |


| Semester-4 |  |  |  |  |  |  |
| :--- | :--- | :--- | :---: | :---: | :---: | :---: |
| Course Type | Course Title | Credits |  |  |  |  |
| Course Code | Skill Enhancement Course | Core Java | 2 |  |  |  |
| USIT401 | Core Subject | Introduction to Embedded <br> Systems | 2 |  |  |  |
| USIT402 | Computer Oriented Statistical <br> Techniques | 2 |  |  |  |  |
| USIT403 | Core Subject | Software Engineerring | 2 |  |  |  |
| USIT404 | Core Subject | Computer Graphics and <br> Animation | 2 |  |  |  |
| USIT405 | Core Subject | Core Java Practical |  |  |  |  |
| USIT4P | Skill Enhancement Course <br> Practical | Introduction to Embedded <br> Systems Practical | 2 |  |  |  |
| USIT4P2 | Core Subject Practical | Computer Oriented Statistical <br> Techniques Practical | 2 |  |  |  |
| USIT4P3 | Core Subject Practical | Software Engineering Practical | 2 |  |  |  |
| USIT4P4 | Core Subject Practical | Computer Graphics and <br> Animaticn Practical | 2 |  |  |  |
| USIT4P5 | Core Subject Practical | Total Credits |  |  |  | $\mathbf{2 0}$ |



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