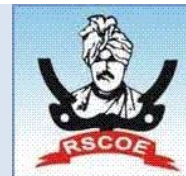




**JSPM's**  
**RAJARSHI SHAHU COLLEGE OF ENGINEERING**  
**TATHAWADE, PUNE-33**  
 (An Autonomous Institute Affiliated to Savitribai Phule Pune University, Pune)



**F. Y. M. Tech (Computer Engineering)**  
**Academic Year – 2025-2026 Semester -I**

| Course Code  | Course  | Teaching Scheme |   |             | Examination Schemes |   |          |    |       | Credits |
|--------------|---|-----------------|---|-------------|---------------------|---|----------|----|-------|---------|
|              |   | L               | T | P           | Theory              |   |          | TW | Total |         |
|              |   |                 |   |             | ISE (20)            | MSE (30)  | ESE (50) |    |       |         |
| CS5201T      | Principles of Data Analytics Machine Learning         | 03              | - | -           | 20                  | 30  | 50       | -  | 100   | 03      |
| CS5202T      | Advanced Software Engineering and Project Management  | 03              | - | -           | 20                  | 30  | 50       | -  | 100   | 03      |
| CS5203T      | Elective-I:   | 03              | - | -           | 20                  | 30  | 50       | -  | 100   | 03      |
| CS5204T      | Elective-II:  | 03              | - | -           | 20                  | 30  | 50       | -  | 100   | 03      |
| CS5205T      | Research Methodology and Intellectual Property Rights | 03              | - | -           | 20                  | 30  | 50       | -  | 100   | 03      |
| CS5206L      | Lab Practice I (All Subjects 2 Lab assignments)       | -               | - | 04          | ISCE : 60           |   | 40       |    | 100   | 02      |
| CS5207L      | Lab Practice II Data visualization and report making  |                 |   | 02          | ISCE:30             |   | 20       |    | 50    | 01      |
| CS5208L      | Online course/certification (NPTEL)                   | -               | - | 04          | ISCE:60             |   | 40       |    | 100   | 02      |
|              | Audit Course  | Non-Credit      |   |             |                     |   |          |    |       |         |
| Total        |   | 15              | - | 10          |                     |   |          |    | 750   | 20      |
| Elective I   |   |                 |   | Elective II |                     |   |          |    |       |         |
| Code No.     | Title   |                 |   | Code No.    |                     | Title   |          |    |       |         |
| CS5203T-A    | Web and Social Network Data Analysis                  |                 |   | CS5204T-A   |                     | Natural Language Processing                     |          |    |       |         |
| CS5203T-B    | Cryptography and Network Security                     |                 |   | CS5204T-B   |                     | Digital Forensics and ethical Considerations    |          |    |       |         |
| CS5203T-C    | Business Intelligence                                 |                 |   | CS5204T-C   |                     | Operation Research and Management               |          |    |       |         |
| CS5203T-D    | Advanced Image Processing                             |                 |   | CS5204T-D   |                     | Biometric Identification and Liveness Detection |          |    |       |         |
| Audit Course |   |                 |   |             |                     |   |          |    |       |         |
| Code No.     | Title   |                 |   | Code No.    |                     | Title   |          |    |       |         |
| EC5209       | Technical Paper writing                               |                 |   | ME5209      |                     | Value Education In Engineering                  |          |    |       |         |
| CE5209       | Disaster Management                                   |                 |   | CS5209      |                     | Constitution of India                           |          |    |       |         |

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H.O.D, Computer

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Dr. R B. Joshi  
Dean Academics



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**F. Y. M. Tech (Computer Engineering)**  
**Academic Year – 2025-2026 Semester -II**

| Course Code  | Course  | Teaching Scheme                      |   |    | Examination Schemes |          |          |                                      |       | Credits |
|--------------|---|--------------------------------------|---|----|---------------------|----------|----------|--------------------------------------|-------|---------|
|              |   | L                                    | T | P  | Theory              |          |          | TW                                   | Total |         |
|              |   |                                      |   |    | ISE (20)            | MSE (30) | ESE (50) |                                      |       |         |
| ES5203T      | Mathematical Foundation of Computer Science       | 03                                   | - | -  | 20                  | 30       | 50       |                                      | 100   | 03      |
| CS5210T      | Deep learning and modeling                        | 03                                   | - | -  | 20                  | 30       | 50       |                                      | 100   | 03      |
| CS5211T      | Cloud Services and Applications                   | 03                                   | - | -  | 20                  | 30       | 50       |                                      | 100   | 03      |
| CS5212T      | Elective-III                                      | 03                                   | - | -  | 20                  | 30       | 50       |                                      | 100   | 03      |
| CS5213T      | Elective-IV                                       | 03                                   | - | -  | 20                  | 30       | 50       |                                      | 100   | 03      |
| CS5214L      | Lab Practice III (All Subjects 2 Lab assignments) | -                                    | - | 04 | ISCE : 60           |          | 40       |                                      | 100   | 02      |
| CS5215L      | Lab Practice IV: Data Science on Cloud            | -                                    | - | 02 | ISCE : 30           |          | 20       |                                      | 50    | 01      |
| CS5216L      | Seminar   | -                                    | - | 04 | ISCE : 60           |          | 40       |                                      | 100   | 02      |
| Total        |   | 15                                   | - | 10 |                     |          |          |                                      | 750   | 20      |
| Elective III |   |                                      |   |    | Elective IV         |          |          |                                      |       |         |
| Code No.     |   | Title                                |   |    | Code No.            |          |          | Title                                |       |         |
| CS5212T -A   |   | Time Series Analysis                 |   |    | CS5213T -A          |          |          | Big Data Analytics                   |       |         |
| CS5212T -B   |   | Information Security                 |   |    | CS5213T -B          |          |          | Operational Technology (OT) Security |       |         |
| CS5212T -C   |   | Advanced Computational Intelligence  |   |    | CS5213T -C          |          |          | User Experience Design               |       |         |
| S5212T -D    |   | Computer Vision and Video processing |   |    | CS5213T-D           |          |          | Image and Video Analytics using AI   |       |         |

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**S. Y. M. Tech (Computer Engineering Engineering)**  
**Academic Year – 2025-2026 Semester -III**

| Course Code | Course  | Teaching Scheme |    |    | Examination Schemes |          |          |    |       | Credits |
|-------------|---|-----------------|----|----|---------------------|----------|----------|----|-------|---------|
|             |   | L               | T  | P  | Theory              |          |          | TW | Total |         |
|             |   |                 |    |    | ISE (20)            | MSE (30) | ESE (50) |    |       |         |
| CS6301T     | Elective V  | 03              | -- | -- | 20                  | 30       | 50       |    | 100   | 3       |
| CS6302L     | Internship/Value added Course (VAC)/ on job training / Mini Project/ Community Engagement Project | --              | -- | -- | ISCE : 60           |          | 40       |    | 100   | 4       |
| CS6303L     | Dissertation Phase-I (One Research Paper)   | --              | -- | -- | ISCE : 100          |          | 100      |    | 200   | 6       |
| Total       |   | 3               | -- | -- |                     |          |          |    | 400   | 13      |

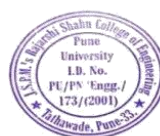
| Elective-V       |   |
|------------------|---|
| Code No.         | Title   |
| <b>CS6301T-A</b> | <b>Digital Transformation</b>   |
| <b>CS6301T-B</b> | <b>Supply Chain Analytics</b>   |
| <b>CS6301T-C</b> | <b>Legal Aspects of IT Business/Business Analytics for Marketing</b>  |
| <b>CS6301T-D</b> | <b>Interdisciplinary elective Subject offered by other department</b> |

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**S. Y. M. Tech (Computer Engineering)**  
**Academic Year – 2025-2026 Semester -IV**

| Course Code | Course   | Teaching Scheme |    |    | Examination Schemes |          |          |    |       | Credits |
|-------------|--|-----------------|----|----|---------------------|----------|----------|----|-------|---------|
|             |  | L               | T  | P  | Theory              |          |          | TW | Total |         |
|             |  |                 |    |    | ISE (20)            | MSE (30) | ESE (50) |    |       |         |
| CS6304L     | UHV  | 02              | -- | -- | ISCE: 30            |          | 20       |    | 50    | 2       |
| CS6305L     | Online Course / Certification (NPTEL / Coursera)               | --              | -- | 04 | ISCE : 60           |          | 40       |    | 100   | 2       |
| CS6306L     | Dissertation Phase-II (Industry/Research) (One Research Paper) | --              | -- | -- | ISCE : 200          |          | 200      |    | 400   | 15      |
| Total       |  | --              | -- | -- |                     |          |          |    | 500   | 17      |

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