

**Cummins College of Engineering for Women**  
(An autonomous institute affiliated to Savitribai Phule pune university)  
Karve Nagar, Pune - 411 052.



**Vision**

**To be globally renowned engineering institute for imparting holistic education and developing professional women leaders in engineering and technology**

**Syllabus**

of

**T. Y. BTech  
(Computer Engineering)**

**2023 Pattern [R0]**

## List of Abbreviations

| Abbreviation | Title   |
|--------------|---|
| PCC          | Programme Core Course                           |
| BSC          | Basic Science Course                            |
| ESC          | Engineering Science Course                      |
| PE           | Programme Elective Course                       |
| OE           | Open Elective                                   |
| VSEC         | Vocational and Skill Enhancement Course         |
| CC           | Co-curricular Courses / Liberal Learning Course |
| IKS          | Indian Knowledge System                         |
| VEC          | Value Education Course                          |
| RM           | Research Methodology                            |
| INTR         | Internship                                      |
| PROJ         | Project   |
| CEP          | Community Engagement Project                    |
| RM           | Research Methodology                            |
| Mm           | Multidisciplinary Minor                         |
| AEC          | Ability Enhancement Course                      |

Curriculum for UG Degree Course in BTech. Computer Engineering  
(Academic Year: 2025-26 Onwards)

**Third Year | Semester-VI**

| Course Code  | Course Title                                 | Teaching Scheme<br>Hours / Week |           |           | Cr        | Examination Scheme |            |            | Total Marks |
|--------------|--|---------------------------------|-----------|-----------|-----------|--------------------|------------|------------|-------------|
|              |  | L                               | T         | P         |           | ISE                | ESE        | Pr/Or      |             |
| 23PCCE601    | Full Stack Development                       | 3                               | 0         | 0         | 3         | 50                 | 50         | 00         | 100         |
| 23PCCE602    | Cloud Computing                              | 3                               | 0         | 0         | 3         | 50                 | 50         | 00         | 100         |
| 23PCCE603    | Information and Cyber Security               | 3                               | 0         | 0         | 3         | 50                 | 50         | 00         | 100         |
| 23PCCE604    | Data Engineering                             | 3                               | 0         | 0         | 3         | 50                 | 50         | 00         | 100         |
| 23PECE601    | Programme Elective-II                        | 3                               | 0         | 0         | 3         | 50                 | 50         | 00         | 100         |
| 23MmCE601    | Enterprise Banking and Insurance             | 2                               | 0         | 0         | 2         | 25                 | 25         | 00         | 50          |
| 23VSECCE601L | Programming Skills Development Laboratory II | 0                               | 0         | 4         | 2         | 25                 | 00         | 25         | 50          |
| 23PCCE601L   | Full Stack Development Laboratory            | 0                               | 0         | 2         | 1         | 25                 | 00         | 25         | 50          |
| 23PCCE602L   | Cloud Computing Laboratory                   | 0                               | 0         | 2         | 1         | 25                 | 00         | 25         | 50          |
| 23PCCE604L   | Data Engineering Laboratory                  | 0                               | 0         | 2         | 1         | 25                 | 00         | 25         | 50          |
| <b>Total</b> |  | <b>17</b>                       | <b>00</b> | <b>10</b> | <b>22</b> | <b>375</b>         | <b>275</b> | <b>100</b> | <b>750</b>  |

*L=Lecture, T=Tutorial, P= Practical, Cr= Credits, ISE =In Semester Evaluation, ESE =End Semester Examination, Pr/Or = Practical/Oral*

**23PECE601 Programme Elective-II**

- A. DevOps Fundamentals
- B. Deep Learning
- C. Software Testing and Quality Assurance
- D. Distributed Systems



**APPROVED BY**  
Secretary Academic Council  
MKSSS's Cummins College of Engineering  
For Women, Pune-411052




**APPROVED BY**  
Chairman Academic Council  
MKSSS's Cummins College of Engineering  
For Women, Pune-411052