# SARVEPALLI RADHAKRISHNAN UNIVERSITY, BHOPAL
## Scheme of Examination as per AICTE Model Curriculum w.e.f. July 2019
## Grading System
## Bachelor of Engineering (Computer Science & Engineering)

**Semester/Year :III /II**

**For Students Admitted in July 2019 onwards**

| S. No. | Subject Code | Category | Subject Name | Maximum Marks Allotted | | | | | | Hours/ Week | | | Credit | Total Marks |
| | | | | Theory | | | Practical | | | | | | | |
| | | | | End Sem. | Mid Sem | Quiz, Assignment | End Sem | Lab work | Assignment / Quiz | L | T | P | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | **BE31** | BSC | MATHEMATICS-III | 60 | 30 | 10 | 0 | 0 | 0 | 2 | 1 | 0 | 3 | 100 |
| 2 | **BE32** | BSC | BIOLOGY | 60 | 30 | 10 | 0 | 0 | 0 | 2 | 1 | 0 | 3 | 100 |
| 3 | **CS31** | PCC-CS | COMPUTER ORGANIZATION & ARCHITECTURE | 60 | 30 | 10 | 30 | 10 | 10 | 3 | 1 | 2 | 5 | 150 |
| 4 | **CS32** | ESC | DIGITAL ELECTRONICS | 60 | 30 | 10 | 30 | 10 | 10 | 3 | 1 | 2 | 5 | 150 |
| 5 | **CS33** | PCC-CS | DATA STRUCTURE & ALGORITHM | 60 | 30 | 10 | 30 | 10 | 10 | 3 | 1 | 4 | 6 | 150 |
| 6 | **BE34** | DLC | PROGRAMMING LAB IN JAVA | 0 | 0 | 0 | 50 | 50 | 50 | 0 | 0 | 4 | 2 | 150 |
| | | | **TOTAL** | 300 | 150 | 50 | 140 | 80 | 80 | 13 | 5 | 12 | 24 | 800 |
| 7 | BE-35 | PDFS | PROFESSIONAL DEVELOPMENT FINISHING SCHOOL-LEVEL-I | MANDATORY COURSE (NON CREDIT) | | | | | | | | | | |

**L: LECTURE     P: PRACTICAL     T: TUTORIAL**

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**Semester/Year :IV /II**

**For Students Admitted in July 2019 onwards**

| S. No. | Subject Code | Category | Subject Name | Maximum Marks Allotted | | | | | | Hours/ Week | | | Credit | Total Marks |
| | | | | Theory | | | Practical | | | | | | | |
| | | | | End Sem. | Mid Sem | Quiz, Assignment | End Sem | Lab work | Assignment / Quiz | L | T | P | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | BE41 | HSMC | ENGG. ECONOMICS & ACCOUNTANCY | 60 | 30 | 10 | 0 | 0 | 0 | 2 | 1 | 0 | 3 | 100 |
| 2 | CS41 | PCC-CS | DISCRETE MATHEMATICS | 60 | 30 | 10 | 0 | 0 | 0 | 2 | 1 | 0 | 3 | 100 |
| 3 | CS42 | PCC-CS | OBJECT ORIENTED PROGRAMMING | 60 | 30 | 10 | 30 | 10 | 10 | 3 | 1 | 2 | 5 | 150 |
| 4 | CS43 | PCC-CS | DESIGN & ANALYSIS OF ALGORITHMS | 60 | 30 | 10 | 30 | 10 | 10 | 3 | 1 | 2 | 5 | 150 |
| 5 | CS44 | PCC-CS | OPERATING SYSTEMS | 60 | 30 | 10 | 30 | 10 | 10 | 3 | 1 | 4 | 6 | 150 |
| 6 | BE42 | DLC | PROGRAMMING LAB ( MATLAB/ DOT NET) | 0 | 0 | 0 | 50 | 50 | 50 | 0 | 0 | 4 | 2 | 150 |
| | | | **TOTAL** | 300 | 150 | 50 | 140 | 80 | 80 | 13 | 5 | 12 | 24 | 800 |
| 7 | BE43 | MC | ENVIORNMENT SCIENCE | MANDATORY COURSE (NON CREDIT) | | | | | | | | | | |
| 8 | BE 44 | PDFS | PROFESSIONAL DEVELOPMENT FINISHING SCHOOL-LEVEL-II | MANDATORY COURSE (NON CREDIT) | | | | | | | | | | |

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## Bachelor of Engineering (Computer Science & Engineering)

**Semester/Year :V /III**

**For Students Admitted in July 2019 onwards**

| S. No. | Subject Code | Category | Subject Name | Maximum Marks Allotted | | | | | | Hours/ Week | | | Credit | Total Marks |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | Theory | | | Practical | | | | | | | |
| | | | | End Sem. | Mid Sem | Quiz, Assignment | End Sem | Lab work | Assignment / Quiz | L | T | P | | |
| 1 | CS51 | PCC-CS | MICROPROCESSOR & INTERFACING | 60 | 30 | 10 | 30 | 10 | 10 | 2 | 1 | 4 | 5 | 150 |
| 2 | CS52 | PEC-CS | ELECTIVE-I | 60 | 30 | 10 | 0 | 0 | 0 | 2 | 1 | 0 | 3 | 100 |
| 3 | CS53 | PCC-CS | DATBASE MANAGEMENT SYSTEM | 60 | 30 | 10 | 30 | 10 | 10 | 3 | 1 | 2 | 5 | 150 |
| 4 | CS54 | PCC-CS | UNIX & SHELL PROGRAMMING | 60 | 30 | 10 | 30 | 10 | 10 | 3 | 1 | 2 | 5 | 150 |
| 5 | CS55 | PCC-CS | FORMAL LANGUAGE & AUTOMATA THEORY | 60 | 30 | 10 | 0 | 0 | 0 | 3 | 1 | 0 | 4 | 100 |
| 6 | CS56 | DLC | INDUSTRIAL TRAINING (2 WEEKS) | 0 | 0 | 0 | 50 | 50 | 50 | 0 | 0 | 4 | 2 | 150 |
| | | | **TOTAL** | 300 | 150 | 50 | 140 | 80 | 80 | 13 | 5 | 12 | 24 | 800 |
| 7 | BE52 | MC | ESSENCE OF INDIAN KNOWLEDGE TRADITION | MANDATORY COURSE (NON CREDIT) | | | | | | | | | | |
| 8 | BE 53 | PDFS | PROFESSIONAL DEVELOPMENT FINISHING SCHOOL-LEVEL-III | MANDATORY COURSE (NON CREDIT) | | | | | | | | | | |

**Elective -I [Any one to be selected]**
**CS-52(A) COMPUTER GRAPHICS & MULTIMEDIA**
CS-52(B) OPTIMIZATION TECHNIQUES
CS-52(C) INTERNET & WEB TECHNOLOGY

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## Grading System
## Bachelor of Engineering (Computer Science & Engineering)

**Semester/Year : VI /III**

**For Students Admitted in July 2019 onwards**

| S. No. | Subject Code | Category | Subject Name | Maximum Marks Allotted | | | | | | Hours/ Week | | | Credit | Total Marks |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | Theory | | | Practical | | | | | | | |
| | | | | End Sem. | Mid Sem | Quiz, Assignment | End Sem | Lab work | Assignment / Quiz | L | T | P | | |
| 1 | CS 61 | OEC-CS | OPEN ELECTIVE-I | 60 | 30 | 10 | 0 | 0 | 0 | 2 | 1 | 0 | 3 | 100 |
| 2 | CS 62 | PEC-CS | ELECTIVE-II | 60 | 30 | 10 | 0 | 0 | 0 | 2 | 1 | 0 | 3 | 100 |
| 3 | CS 63 | PEC-CS | ELECTIVE-III | 60 | 30 | 10 | 30 | 10 | 10 | 3 | 1 | 2 | 5 | 150 |
| 4 | CS 64 | PCC-CS | COMPILER DESIGN | 60 | 30 | 10 | 30 | 10 | 10 | 3 | 1 | 2 | 5 | 150 |
| 5 | CS 65 | PCC-CS | COMPUTER NETWORKING | 60 | 30 | 10 | 30 | 10 | 10 | 3 | 1 | 4 | 6 | 150 |
| 6 | CS 66 | PROJ-CS | MINOR PROJECT | 0 | 0 | 0 | 50 | 50 | 50 | 0 | 0 | 4 | 2 | 150 |
| | | | **TOTAL** | 300 | 150 | 50 | 140 | 80 | 80 | 13 | 5 | 12 | 24 | 800 |
| 7 | BE 61 | PDFS | PROFESSIONAL DEVELOPMENT FINISHING SCHOOL - LEVEL - IV | MANDATORY COURSE (NON CREDIT) | | | | | | | | | | |

**Open Elective - I [Any one to be selected]**
CS-61(A) CYBER LAW AND ETHICS
CS-61(B) SOFT SKILLS AND INTERPERSONAL COMMUNICATION
CS-61(C) COMPARATIVE STUDY OF LITERATURE

**Elective -II [Any one to be selected]**
CS-62(A) ADVANCE COMPUTER ARCHITECTURE
CS-62(B) EMBEDDED SYSTEM
CS-62(C) INTERNET OF THINGS

**Elective -III [Any one to be selected]**
CS-63(A) SOFTWARE ENGINEERING & PROJECT MANAGEMENT
CS-63(B) AD-HOC AND SENSOR NETWORKS
CS-63(C) FAULT TOLERANT COMPUTING

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## Grading System
## Bachelor of Engineering (Computer Science & Engineering)

**Semester/Year : VII /IV**

**For Students Admitted in July 2019 onwards**

| S. No. | Subject Code | Category | Subject Name | Maximum Marks Allotted | | | | | | Hours/ Week | | | Credit | Total Marks |
| | | | | Theory | | | Practical | | | | | | | |
| | | | | End Sem. | Mid Sem | Quiz, Assignment | End Sem | Lab work | Assignment / Quiz | L | T | P | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | CS 71 | OEC-CS | OPEN ELECTIVE-II | 60 | 30 | 10 | 0 | 0 | 0 | 2 | 1 | 0 | 3 | 100 |
| 2 | CS 72 | PCC-CS | DISTRIBUTED SYSTEM | 60 | 30 | 10 | 0 | 0 | 0 | 2 | 1 | 0 | 3 | 100 |
| 3 | CS 73 | PEC-CS | ELECTIVE-IV | 60 | 30 | 10 | 30 | 10 | 10 | 3 | 1 | 2 | 5 | 150 |
| 4 | CS 74 | PEC-CS | ELECTIVE-V | 60 | 30 | 10 | 0 | 0 | 0 | 3 | 1 | 0 | 4 | 100 |
| 5 | CS 75 | PCC-CS | WEB ENGINEERING | 60 | 30 | 10 | 30 | 10 | 10 | 3 | 1 | 2 | 5 | 150 |
| 6 | CS 76 | PROJ-CS | MAJOR PROJECT-I | 0 | 0 | 0 | 100 | 50 | 50 | 0 | 0 | 8 | 4 | 200 |
| | | TOTAL | | 300 | 150 | 50 | 160 | 70 | 70 | 13 | 5 | 12 | 24 | 800 |

| Open Elective - II [Any one to be selected] | Elective -IV [Any one to be selected] | Elective -V [Any one to be selected] |
|---|---|---|
| **CS-71(A) HUMAN RESOURCE DEVELOPMENT AND ORGANIZATIONAL BEHAVIOR** <br> CS-71(B) HISTORY OF SCIENCE & ENGINEERING <br> CS-71(C) ECONOMIC POLICIES IN INDIA | **CS-73(A) DATA MINING** <br> CS-73(B) SOFT COMPUTING <br> CS-73(C) ARTIFICIAL INTELLIGENCE | **CS-74(A) CLOUD COMPUTING** <br> CS-74(B) CRYTOGRAPHY AND NETWORK SECURITY <br> CS-74(C) DIGITAL IMAGE PROCESSING |

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## Bachelor of Engineering (Computer Science & Engineering)

Semester/Year : VIII /III

**For Students Admitted in July 2019 onwards**

| S. No. | Subject Code | Category | Subject Name | Maximum Marks Allotted | | | | | Hours/Week | | | Credit | Total Marks |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | Theory | | | Practical | | | | | | |
| | | | | End Sem. | Mid Sem | Quiz, Assignment | End Sem | Term Work | L | T | P | | |
| 1 | CS 81 | PROJ-CS | MAJOR PROJECT - II / INTERNSHIP | — | — | — | 600 | 200 | | | 30 | 15 | 800 |
| | | | TOTAL | | | | 600 | 200 | | | 30 | 15 | 800 |