

Teaching plan

Subject: Computer Science

Paper Code: COM010104

Paper Name: Computer fundamentals and programming

Credit/Total no. of classes.3+1

Period: Theory: 45 Hours

Practical: 30 Hours

Non Contact: 5 hours

Theory

| Lecture No. | Faculty | Topic | Mode of Teaching (Experiential Learning, Participative Learning) | Teaching Aids use | Assessment Method |
|-------------|-------------|---|--|---|---|
| 1-9 | Rita Sinha | Unit I: Computer Fundamentals | Participative Learning | Computer system with overhead projector | QUIZ |
| 10-13 | P.P.D.Sarma | Unit II: Basics of programming | Participative Learning | Computer system with overhead projector | QUIZ, class work, home work |
| 14-18 | P.P.D.Sarma | Unit III: Data types and operators | Participative+ experiential Learning Demonstration | Computer system with overhead projector | QUIZ, class work, home work |
| 19-26 | P.P.D.Sarma | Unit IV: Control structures and Functions | Participative+ experiential Learning Demonstration | Computer system with overhead projector | Quiz, class work, home work, practical assignment |
| 27-31 | P.P.D.Sarma | Unit V: Arrays and Strings | Participative+ experiential Learning | Computer system with | QUIZ, class work, Practical |

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| | | | Demonstration | overhead projector | assignment |
| 32-37 | P.P.D.Sarma | Unit VI: Pointers and memory allocation | Participative+ experiential Learning Demonstration | Computer system with overhead projector | QUIZ, class work, Practical assignment |
| 38-41 | P.P.D.Sarma | Unit VII: Structure and Union | Participative+ experiential Learning Demonstration | Computer system with overhead projector | QUIZ, class work, Practical assignment |
| 42-45 | P.P.D.Sarma | Unit VIII: File handling and pre-processor directive | Participative+ experiential Learning Demonstration | Computer system with overhead projector | QUIZ, class work, Practical assignment |

Practical

30 practical problems given in the syllabus are to be solved and the codes are to be uploaded in github repository.