

St Ann's College of Engineering and Technology
Department of Computer Science and Engineering

Lecture Schedule

Subject : Software Engineering

Year III CSE B-II SEM

Name of the Faculty: Dr.D.N.V.Syam Kumar

Academic Year:2017-18

No of Classes per week: 4+1*(Tutorial)

| S.NO | DATE | UNIT | TOPIC |
|------|-------------|---|---|
| 1 | 21-Nov-2017 | I | Introduction |
| 2 | 22-Nov-2017 | | Software, Software Crisis |
| 3 | 23-Nov-2017 | | Software Engineering definition |
| 4 | 24-Nov-2017 | | Evolution of Software Engineering Methodologies |
| 5 | 25-Nov-2017 | | Software Engineering Challenges |
| 6 | 28-Nov-2017 | | Software Process, Process Classification |
| 7 | 29-Nov-2017 | | Phased development life cycle |
| 8 | 30-Nov-2017 | | Software Development Process Models |
| 9 | 2-Dec-2017 | | Process, use, applicability ,Advantages/limitations |
| 10 | 5-Dec-2017 | | UNIT-1 REVISION with ppt or NPTEL videos |
| 11 | 6-Dec-2017 | | Slip Test I |
| 12 | 7-Dec-2017 | II | OT-1,Software Requirements,Requirements engineering Process |
| 13 | 8-Dec-2017 | | Tutorial |
| 14 | 12-Dec-2017 | | Requirements elicitation |
| 15 | 13-Dec-2017 | | Requirements Analysis |
| 16 | 14-Dec-2017 | | Structured Analysis,Data Oriented Analysis |
| 17 | 15-Dec-2017 | | Tutorial |
| 18 | 16-Dec-2017 | | Object oriented Analysis |
| 19 | 19-Dec-2017 | | Prototyping Analysis |
| 20 | 20-Dec-2017 | | Requirements Specification |
| 21 | 21-Dec-2017 | | Requirements Validation |
| 22 | 22-Dec-2017 | | Tutorial |
| 23 | 23-Dec-2017 | | Requirement Management |
| 24 | 26-Dec-2017 | | UNIT-2 REVISION with ppt or NPTEL videos |
| 25 | 27-Dec-2017 | | Slip Test II |
| 26 | 28-Dec-2017 | III | OT-2,Software Design Process |
| 27 | 29-Dec-2017 | | Tutorial |
| 28 | 30-Dec-2017 | | Characteristics of Good Software Design |
| 29 | 2-Jan-2018 | | Design Principles |
| 30 | 3-Jan-2018 | | Modular Design |
| 31 | 4-Jan-2018 | | Design Methodologies |
| 32 | 5-Jan-2018 | | Tutorial |
| 33 | 6-Jan-2018 | | Structured Design |
| 34 | 9-Jan-2018 | | Structured Design Methodology |
| 35 | 10-Jan-2018 | | Transaction Analysis |
| 36 | 11-Jan-2018 | | Object oriented Analysis and Design Principles |
| 37 | 12-Jan-2018 | | Tutorial |
| 38 | 17-Jan-2018 | | UNIT-3 REVISION with ppt or NPTEL videos |
| 39 | 18-Jan-2018 | | <i>revision of previous question papers</i> |
| 40 | 19-Jan-2018 | Tutorial | |
| 41 | 20-Jan-2018 | <i>revision of previous question papers</i> | |
| 42 | 23-Jan-2018 | <i>revision of previous question papers</i> | |
| 43 | 24-Jan-2018 | IV | Implementation:Coding Principles |
| 44 | 25-Jan-2018 | | Coding Process |
| 45 | 27-Jan-2018 | | Code verification,Code documentation |
| 46 | 30-Jan-2018 | | Software Testing: Testing Fundamentals |
| 47 | 31-Jan-2018 | | Test Planning |
| 48 | 1-Feb-2018 | | Black Box Testing |
| 49 | 2-Feb-2018 | | Tutorial |

| | | | |
|----|-------------|----|--|
| 50 | 3-Feb-2018 | | White Box Testing |
| 51 | 6-Feb-2018 | | Levels of Testing, Usability Testing |
| 52 | 7-Feb-2018 | | Regression testing, Debugging approaches |
| 53 | 8-Feb-2018 | | UNIT-4 REVISION with ppt or NPTEL videos |
| 54 | 9-Feb-2018 | | Tutorial |
| 55 | 10-Feb-2018 | | Slip Test III |
| 56 | 14-Feb-2018 | V | OT-3, Software Project Management: Project Mgmt Essentials |
| 57 | 15-Feb-2018 | | What is Project management |
| 58 | 16-Feb-2018 | | Tutorial |
| 59 | 17-Feb-2018 | | Software Configuration Management |
| 60 | 20-Feb-2018 | | Project Planning and Estimation: Project Planning activities |
| 61 | 21-Feb-2018 | | Software Metrics and measurements |
| 62 | 22-Feb-2018 | | Project Size Estimation, Effort Estimation Techniques |
| 63 | 23-Feb-2018 | | Tutorial |
| 64 | 24-Feb-2018 | | UNIT-5 REVISION with ppt or NPTEL videos |
| 65 | 27-Feb-2018 | | Slip Test IV |
| 66 | 28-Feb-2018 | VI | OT-4, Software Quality: Software Quality Factors |
| 67 | 1-Mar-2018 | | Verification & Validation |
| 68 | 3-Mar-2018 | | Software Quality Assurance |
| 69 | 6-Mar-2018 | | The Capability Maturity Model |
| 70 | 7-Mar-2018 | | Software Maintenance: Maintenance Process Models |
| 71 | 8-Mar-2018 | | Maintenance Cost, Reengineering activities, Software Reuse |
| 72 | 9-Mar-2018 | | Tutorial |
| 73 | 13-Mar-2018 | | UNIT-6 REVISION with ppt or NPTEL videos |
| 74 | 14-Mar-2018 | | Revision |
| 75 | 15-Mar-2018 | | Revision |
| 76 | 16-Mar-2018 | | Tutorial |
| 77 | 17-Mar-2018 | | Revision |
| 78 | 20-Mar-2018 | | revision of previous question papers |
| 79 | 21-Mar-2018 | | revision of previous question papers |
| 80 | 22-Mar-2018 | | revision of previous question papers |
| 81 | 23-Mar-2018 | | Tutorial |
| 82 | 24-Mar-2018 | | revision of previous question papers |

Text Books

| | |
|---|---|
| 1 | Software Engineering, concepts and practices, Ugrasen Suman, Cengage learning |
| 2 | Software Engineering, 8/e, Sommerville, Pearson |
| 3 | Software Engineering, 7/e, Roger S. Pressman, TMH |

References

| | |
|---|--|
| 1 | Software Engineering, A Precise approach, Pankaj Jalote, Wiley |
| 2 | Software Engineering principles and practice, W S Jawadekar, TMH |

Faculty

HOD