CS301   **SOFTWARE ENGINEERING**   **3-0-0-6**

Syllabus : Software and Software Engineering; The Software Process: Process models; Modeling: Requirements engineering, requirements modeling, UML, design concepts, etc.; Quality Management; Product metrics; Process and project metrics; Software estimation techniques; Software testing strategies; Project scheduling; Risk management; Maintenance.

Texts :

1. Pressman, R.S., Software Engineering: A Practioner's Approach, McGraw Hill, seventh edition, 2010.

References :

1. Sommerville, Ian, Software Engineering, Addison-Wesley, fifth edition, 2000.
2. Jalote, P., An Integrated Approach to Software Engineering, Narosa Publishing House, second edition, 2003.
3. Bennett S., McRobb S. & Farmer R., Object Oriented Systems Analysis and Design using UML, Tata McGraw-Hill, second edition, 2004.