

**Subject Name: Software Development Life Cycle**

**Course code: DSC-C-ANP-232P**

**Credits: 2**

**Prerequisites:** No.

**Objectives:**

**The aim of this course to enable students to:**

1. Explain Software and Software Engineering
2. Distinguish various Software Process Models (Approach of Software Development).
3. Define and describe the phases of the system development life cycle.

**Content**

No	Particulars	Credit	Hours
1.	Unit Title: System Development Cycle  Introduction to Systems Development Life Cycle (SDLC).  Various phases of SDLC: Study, Analysis, Design, Development, Implementation, Maintenance, Role of system analyst	0.5	05
2.	Unit Title: Software Development Models  Introduction to Software and Software Engineering, •  Waterfall Model • V Model • Incremental Model • Spiral Model	1	10
3.	Unit Title: Scenario-Based Modelling  • Developing Use-Cases • Developing an Activity Diagram	0.5	05

**Reference Books:**

1. Roger Pressman, Software Engineering, McGraw Hill.
2. Jeffrey A. Hoffer, Joey F. George and Joseph S. Valacich, Modern Systems Analysis and Design, Pearson.