

Prof Incharge: Rajib Mall, IITkgp

Topic name: Software Process and Management

Course outline:

Three main topics would be discussed:

Software Process models, software cost estimations, and task scheduling.

The different agile models such as Scrum, XP, and Lean would be discussed, starting with the traditional heavyweight models.

Subsequently, size, effort, and cost estimations would be discussed. Finally, work breakdown using WBS and task scheduling using

GANTT and PERT charts would be discussed. Relevant open source tools would also be mentioned.

Pre requisites: Experience (or familiarity) with program development.

Relevant semester: For different universities, the relevant semesters can be between 3rd to 8th.

Relevant department: CSE, IT, and MCA

Relevant course: Software Project Management and Software Engineering