

PROFESSOR'S NAME	Dr. Partha Pratim Das
DEPARTMENT	Computer Science and Engineering
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COURSE OUTLINE	<p>The complexity of software systems is ever on the rise – more complex problem domains being attempted (complex embedded systems), ever growing man-power engaged in increasingly intricate development processes to turnaround in shorter and shorter time, possible exibility of software being stretched to the limit with XaaS, platforms getting challenging with widely expanding distribution, cloud computation etc. Hence the analysis and design of software require well-organized and structured approaches to manage the challenges of complexity.</p> <p>Course Outline</p> <ol style="list-style-type: none">1. Software Complexity: Understanding the challenges OOAD can address2. Object Model: Defining the primitives of the OO paradigm3. Classes and Objects: Bringing in the broader perspectives4. Classes and Objects: Identification approaches using OOAD5. Unified Modeling Language6. Unified Modeling Language7. Unified Modeling Language8. OOAD Case Studies: Applying OOAD in different contexts