**Assignment List (SEM -1)**

**Assignment No 1.:**

Submitted Abstract of Project to Research Area Heads (250 Words, Types of Project, S/w Req. H/w Req. Guide Name, Sign)

**Assignment No 2.:**

Revised University Synopsis in the

appropriate format, Template already sent. (It includes: Title of project, ACM base Keyword, Name of Two Conference where the paper will be put up, Project idea, Plan, execution plan and open source software details, Review 10 Papers.)

**Assignment No : 3**

A. Problem statement feasibility assessment using, satisfiability analysis and NP-Hard, NP-Complete or P type using modern algebra.

B. Relevant mathematical models.

**Assignment No : 4**

Identification of Objects, Morphism, functional relation and dependencies (UML diagrams, Identification of Objects, Morphism, functional relation and dependencies (Use of divide and conquer strategies to exploit distributed/parallel/concurrent processing to identify objects, morphisms, overloading in functions (if any), and functional relations and any other dependencies (as per requirements)).

**Assignment No : 5**

Functional dependency graphs and relevant UML diagrams (Use of assignment 4 to draw functional dependency graphs and relevant Software modelling methods, techniques including UML diagrams or other necessities using appropriate tools)

**Assignment No : 6**

Testing of Problem Statement (Using generated test data (using mathematical models, Function testing principles) selection and appropriate use of testing tools, testing of UML diagram’s reliability)