GUJARAT TECHNOLOGICAL UNIVERSITY
(Integrated MCA)
Year V – (Semester-IX) (W.E.F. June 2017)

Subject Name: Software Project-7
Subject Code: 4490604

Learning Objectives:
- To gain familiarity in technical document writing
- To understand Agile software documentation process
- To understand how to compile and synthesizing technical information

Prerequisites:
- Word Processing Software, Technical Writing Skills

Guidelines:
- It is a team work – team consisting of preferably two (in no case more than three) students. In special cases, a single student team is acceptable.
- The Project either executed in earlier semester VI may be considered or else it may be suggested by the Institute (College).
- Each team will be allotted a faculty member who will be their mentor.
- It is advisable that the finalization of topic and major milestones is completed within 15 days from the date of start of the semester.
- The mentors will assess the progress of the students allocated to them on ongoing basis based on Project finalized and milestone identified
- Part I : Agile documentation to be prepared for Project executed in Semester 6 are
  - Agile Project Charter
  - Agile Roadmap / Schedule
  - Agile Project Plan
  - Agile User Story (Minimum 3 Tasks)
  - Agile Release Plan
  - Agile Sprint Backlog
  - Agile Test Plan
  - Earned-value and burn charts

- Part II : Identify enhancement tasks (minimum 1 per team member) in the project executed in semester 6 and execute task using Agile documentation Process
  - Agile User Requirement (Change)
  - Agile Product Map
  - Job stories + User Stories + Acceptance Criteria
  - Agile Test Plan

- Documentation Tools: Excel, MS Project, SmartsSheet, defacto,sprintDoc

- **Web** references:
  - http://agilemodeling.com/essays/agileDocumentation.htm
  - http://www.ambysoft.com/books/dad.html
  - http://www.disciplinedagiledelivery.com/

Accomplishments of the student:

- The art and science of agile documentation for software project
- Awareness of current trends in Information Technology field.
- First-hand feel of agile documentation process
- Compiling and synthesizing project / technical information
- Technical Report writing skills.