

GUJARAT TECHNOLOGICAL UNIVERSITY

MASTERS IN COMPUTER APPLICATION (Integrated MCA)

Year – I (Semester – I) (W.E.F. JULY 2013)

Subject Name & Code: Software Project I (4410606)

Guidelines:

This is aimed to apply the learned concepts, procedures and tools to architect or build an application to develop the skill of application development using acquired knowledge. The students should be motivated to develop the model of application nearer to real life applications and present their work during the evaluation of the projects by the examiners.

- An application on fundamental of basic programming language using “C” may be developed and before developing any application required Charts and Algorithms may be developed using any charting tools like Visio or any other case tools.
- A database application developed by the students using any RDBMS as backend of their choice can also be considered for the same.
- A working application on fundamental of Web and HTML 5 may be developed but before developing working application a prototypical model of Input Design and Output Design or Reports may be developed using any designing tools for understating the concept behind it.

Supportive documents should be prepared specifying requirement specifications and testing details in line with the requirement specifications. Technical design document should also be included typically with architecture diagram and other relevant diagrams.

Expected Outcome:

The objective of the Application Development is to make students aware about the industry based process and workings. As a result, working application that meet with the industry standards should be populated.

There will not be any compulsion to prepare a project report for the students but an application and supportive documents should be self explanatory, so that evaluator may get the detail about the application developed and can evaluate the students as per the evaluation criteria are given in the last part of this annexure.

Criteria for Evaluation of Applications Developed:

- Project Definition, Its Size, Complexity, and Quantum of Work: 15%
- Coding Style including (i) Generalized-Parameterized, (ii) Structured-Modular Coding Style, (iii) Compactness & Clarity, (iv) Checkpoints for intermediate results, (v) Naming Conventions, (vi) Self-Documented: 30%
- Completion and Operational: 25%
- Quality of Output and Testing Plan, etc: 10%
- A Section in Report Containing: Analysis of Various Alternatives and the Justification for the Selected Approach: 10%
- Overall: 10%