GUJARAT TECHNOGICAL UNIVERSITY
DIPLOMA IN COMPUTER ENGINEERING

SEMESTER- VI

Subject Name: **PROJECT**

1. RATIONALE:

To develop practical skill and confidence amongst the students, the Project in various electronic and computer related establishment / industries plays a very important role. As per the demand of business world, there is a great need of practical knowledge for personnel as well as skill development and other procedure, which will be furnished by this course

2. PROJECT GUIDELINE:

The guideline is made keeping in view generalizing the work carried out by students. The guide or concerned faculty may suggest necessary changes in this guideline to fulfill his/her requirement. The Project may be arranged considering following points.

Note :- Select any **ONE** of the following project area

For Software Project:

SR NO	NAME OF TOPICS	Hrs.
1	Analysis	16
2	Design	12
3	Important Data Structure & Algorithms	8
4	Implementation	12
5	Testing	12
6	Evaluation	8
7	Layout and Report Generation	8
8	Documentation	8
	Total	84

For Hardware Project:

Sr. No	NAME OF TOPICS	Hrs.
1	System Study	12
2	Maintenance	12
3	Assembling	20
4	Disassembling	16
5	Troubleshooting	24
	Total	84

1. Students should be placed in the organization / industry, which is oriented in the filed of electronics and computer, manufacturing, marketing, servicing, maintenance & R & D.
2. Industrial practice and term work should be evaluated periodically.
3. Industrial follow up work should be done at least once in the semester at Industry / Organization.

Layout & Report Generation:

Project should be able to generate various reports using any report generation tools. Student should include minimum required reports in their project.

Documentation:

The student should prepare Project report and submit it. The documentation should include below mentioned topics in given sequence. The guide may suggest necessary changes in the topics if required.

Title Page, Preface, Certificate, Acknowledgement, Index, Introduction, Literature Survey, User requirement specifications, Analysis and Design, Data structure, Implementation, Limitations of the system, Future scope of the system, References, Bibliography

Student should defend the report of the Industrial Project in the oral / viva examination at the end of semester by internal as well as External Examiner