INSTITUTE	**DIPLOMA STUDIES**
PROGRAM	**DIPLOMA ENGINEERING (COMPUTER ENGINEERING)**
SEMESTER	**5**
COURSE TITLE	**PROJECT-I**
COURSE CODE	**09CE1505**
COURSE CREDITS	**3**

Objective:

1 The objective of this course is to improve the practical skills of students which will help them to analyze and solve the problems by using latest software/hardware/tools by applying the knowledge which they have gained in their academic curriculum.

Course Outcomes: After completion of this course, student will be able to:

1 To analyze real world problems and design solutions for those problems
2 To identify practical aspect of studied technologies
3 To use latest software / hardware as per requirement
4 To use different testing methodologies to test the implemented work
5 To present and document implemented work effectively

Pre-requisite of course: Syllabus of PROJECT-I for diploma Computer Engineering

Teaching and Examination Scheme

Theory Hours	Tutorial Hours	Practical Hours	ESE	IA	CSE	Viva	Term Work
0	0	6	0	0	0	50	50

Contents : Unit	Topics	Contact Hours
1	**Project/Problem Identification** Project/Problem Identification	14
2	**Project Analysis, Requirement Gathering** Project Analysis, Requirement Gathering	18
3	**Project Design / Prototype Development** Project Design / Prototype Development	10
4	**Implementation of Project/Solution** Implementation of Project/Solution	30
5	**Testing and Verification** Testing and Verification	6
6	**Presentation and Report Writing** Presentation and Report Writing	6
Total Hours		**84**

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DR. RAJESHKUMAR MEGHAJIBHAI PATEL
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Textbook :

1 NA, NA, NA, NA

References:

1 Computer project manuals
2 A manual of how to prepare project repot by J.B. Patel
3 All technical journal and manual related to computer engineering project

Suggested Theory Distribution:

The suggested theory distribution as per Bloom's taxonomy is as follows. This distribution serves as guidelines for teachers and students to achieve effective teaching-learning process

Distribution of Theory for course delivery and evaluation					
Remember / Knowledge	**Understand**	**Apply**	**Analyze**	**Evaluate**	**Higher order Thinking**
20.00	30.00	40.00	10.00	0.00	0.00

Instructional Method:

1 Course-work reports: i.e. reports for communication with your tutor or guide
2 Effort should be made to identify actual field problems to be given as project work to the students. Project selected should not be too complex which is beyond the comprehension level of the students.

Supplementary Resources:

1 https://www.projectwale.com/
2 https://www.upgrad.com/
3 https://www.geeksforgeeks.org/

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