



GUJARAT TECHNOLOGICAL UNIVERSITY

Program Name: Diploma Engineering

Level: Diploma

Branch: Renewable Engineering

Course / Subject Code: 4356405

Course / Subject Name: Minor Project

Semester	5
Branch	Renewable Energy
Category of the Course	Project
Course Name & Code	Minor Project

Course Scheme:

Teaching Scheme			Total Credits	Assessment Pattern and Marks				Total Marks
L	T	P	C	Theory		Practical		
				CA	ESE	CA	ESE	
00	00	02	01	00	00	50	50	100

Legends: *L*-Lecture; *T* – Tutorial/Teacher Guided Theory Practice; *P* - Practical; *C* – Credit, *CA* - Continuous Assessment; *ESE* - End Semester Examination.

Content:

A Minor project requires comparatively less time than a major project. Minor-Project helps students to explore and strengthen their understanding of fundamentals through practical application of the cortical concepts. Minor-Project can help them to boost their skills and widen their horizon of thinking. It will act as a beginner's guide to undertake the major project/dissertation during the final year and will ensure the preparedness of students to undertake major projects/dissertations. Students will be required to select the topic relevant to their specialization and that has value addition. Students will get an opportunity to work in the actual industrial environment if they opt for an internship. Based on the selected topic student will also prepare a seminar report based on the literature survey. Minor Project will have a mid-semester presentation and an end semester presentation. Mid-semester presentation will include identification of the problem based on the literature review on the topic referring to the latest literature available. End semester presentation should be done along with the report on identification of topic for the work and the methodology adopted involving scientific research, collection and analysis of data, detail solutions highlighting individuals' contribution. Continuous assessment of Minor-Project at Mid-semester and End- Semester will be monitored by the departmental committee.



GUJARAT TECHNOLOGICAL UNIVERSITY

Program Name: Diploma Engineering

Level: Diploma

Branch: Renewable Engineering

Course / Subject Code: 4356405

Course / Subject Name: Minor Project

Course Outcome:

After completion of the Course, Students will be able to:

No	Course Outcomes	RBT Level*
01	Identify engineering problems by critical literature survey	A
02	Identify different tools & statistical techniques to analyze an identified problem	A
03	Solve a problem using software/analytical/computational tools and present solution by applying engineering principles	A
04	Critical evaluation of the identified solution by applying appropriate performance Evaluation criteria to find the future scope of research	EL
05	To write a technical report to defend the discovered solution by mentioning the Research gap before a technically qualified audience.	A

*R: Remember, U: Understand, A: Apply, AN: Analyze, EL: Evaluate, C: Create