

GANPAT UNIVERSITY									
FACULTY OF ENGINEERING & TECHNOLOGY									
Programme	Diploma Engineering				Branch	Mechatronics Engineering			
Semester	VI				Version	1.0.0.0			
Effective from Academic Year		2020-21			Effective for the batch Admitted in			JULY 2018	
Subject code	1MC2608	Subject Name			PROJECT				
Teaching scheme					Examination scheme (Marks)				
(Per week)	Lecture(DT)		Practical(Lab.)		Total		CE	SEE	Total
	L	TU	P	TW					
Credit	0	0	2	0	0	Theory	0	0	0
Hours	0	0	4	0	4	Practical	60	40	100

Pre-requisites:
Students must have knowledge of all subject offered in Diploma Mechatronics.

Course Learning Outcomes:
The course content should be taught and implemented with an aim to develop different skills leading to the achievement of the following competencies and course learning outcomes:
CO1. Analysis and synthesis abilities.
CO2. Document and research resources search
CO3. Computing skills and Decision-making.
CO4. Individual and team working abilities.
CO5. Project design and management.
The practical should be carried out in such a manner that students are able to acquire different learning out comes in cognitive, psychomotor and affective domain to demonstrate course learning outcomes.

Course Content				
Name of UNIT	Unit Content	Unit Learning Outcomes	Marks	Hrs
UNIT – 1 Shodhyatra	Interact with the industry/research organization personnel. Gather information and organize	1a. Information gathering through websites and media. 1b. Identification of Industry /research organization 1c. Visiting Industry /research organization 1d. Creating awareness about the industrial premises , personnel , processes and products	10	10

UNIT – 2  Literature Review	It evaluates the current work with the previous one. It depicts the current implementations that overcome the previous problems and limitations of the project, and draws the attention and focus on the knowledge work that would be conducted based on the ongoing work at present. It must be clear and simple to understand.	2a. Able to find work done relate to project. 2b. Convert signals 2c. Able to give future scope for current project.	10	10
UNIT – 3  Design Solution	Conceive and draw General block diagram of solution. Develop circuit diagram in detail. Write algorithm and draw flowchart	3a. Block Diagram of project 3b. Draw & Develop circuit diagram using circuit design software /tools 3c. Development of algorithm and flowchart if applicable.	30	30
UNIT – 4  Documentation and Presentation	Prepare project report Prepare PPT presentation Present project work	5.1 Prepare project report as per GTU guideline. 5.2 Prepare PPT and present as per schedule.	10	10

Typical Format of the Project Report:

PAGE: A4 (ON ONE SIDE).  
MARGINN: TOP: 15mm, BOTTOM: 15mm, RIGHT: 15mm, LEFT: 30mm.  
FONT: ARIAL. SIZE: 12-BOLD, CONTENT12, SPACING 18 POINTS,  
HEADER: TITLE OF THE PROJECT, PAGE NUMBER ON TOP RIGHT.  
FOOTER: ACADEMIC YEAR, SHORT NAME OF THE INSTITUTE.

Title page

The letters of the title page must be capitalized, and the title page should not contain page numbers. The other aspects of the title page like the title should be like a report, and should contain the name of the institution / organization to which the project is intended to be submitted.

Next, the course name should be followed by the Faculty name, students name, their roll numbers, Industrial representative or external guide name and designation, and at the end of the title page, university's logo and