

GANPAT UNIVERSITY									
FACULTY OF DIPLOMA ENGINEERING									
Programme		Diploma Engineering				Branch/Spec.		Electronics and Communication Engineering	
Semester		V				Version		1.0.0.0	
Effective from Academic Year			2026-27			Effective for the Batch admitted in			July 2024
Course Code		1EC5104		Course Name		Mini Project			
Teaching Scheme						Examination Scheme (Marks)			
(Per week)	Lecture (DT)		Practical (Lab.)		Total		CE	SEE	Total
	L	TU	P	TW					
Credit	0	0	1	0	1	Theory	00	00	00
Hours	0	0	2	0	2	Practical	30	20	50
Pre-requisites									
Fundamentals of Electronics and Communication Engineering, Basic use of simulation and design tools									
Course Outcomes									
On successful completion of the course, the students will be able to:									
CO1	Identify key sections, including literature review, problem statement, and requirements needed in a project proposal								
CO2	Explain the methodology and solution design for the identified problem with an appropriate rationale.								
CO3	Develop a project proposal with relevant sections like an introduction, a literature survey, a problem definition, a proposed solution, and an action plan.								
CO4	Evaluate relevant literature and methodologies to design an effective project proposal.								
Practical Syllabus									
Unit	Content								Hrs.
1	Students are supposed to find a suitable project or prepare a detailed plan in this current semester so that it can be executed smoothly in the next semester. Students should have to carry out project work in the Electronics and communication domain. The students then will work on the identified problem through a rigorous process of understanding and analyzing the problem, conducting a literature search, deriving, discussing (monitored by guide) and designing the project proposal with the following subtitles: ➤ Rationale (one page) ➤ Introduction ➤ Literature survey ➤ Problem definition ➤ Proposed methodology of solving identified problem ➤ In-case some prototype has to be fabricated then its tentative design and procedure for making it should be part of the proposal. ➤ Resources and consumables required. Action plan (sequential list of activities with probable dates of completion)								30
Text Books									
1	Project Management: A Systems Approach to Planning, Scheduling, and Controlling, Harold Kerzner, Wiley								
Reference Books									
1	Practical Electronics for Inventors, Paul Scherz & Simon Monk, McGraw-Hill								
2	Research Methodology: Methods and Techniques, C.R. Kothari, New Age International								
ICT/MOOCs Reference									
1	https://onlinecourses.nptel.ac.in/noc24_mg01/preview Course								
2	https://onlinecourses.nptel.ac.in/noc25_ce91/preview								

Mapping of CO with PO and PSO:															
	P O 1	P O 2	P O 3	P O 4	P O 5	P O 6	P O 7	P O 8	P O 9	P O 10	P O 11	P O 12	P S O 1	P S O 2	P S O 3
CO1	2	2	1	2	0	0	0	1	0	2	1	2	2	1	1
CO2	2	3	2	2	1	0	0	1	0	1	1	2	1	2	2
CO3	2	2	3	2	1	0	0	1	1	3	2	2	2	1	1
CO4	2	3	2	3	1	0	0	1	0	1	1	3	1	2	2