GANPAT UNIVERSITY

FACULTY OF ENGINEERING & TECHNOLOGY

Programme	Bachelor of Technology	Branch/Spec.	Computer Engineering/Information Technology
Semester	V	Version	2.0.0.0
Effective from Academic Year	2020-21	Effective for the batch Admitted in	July 2018
Subject code	2CEIT504	Subject Name	Capstone Project – I

Teaching scheme						Examination scheme (Marks)			
(Per week)	Lecture (DT)		Practical (Lab.)		Total		CE	SEE	Total
	L	TU	P	TW					
Credit	0	0	1	-	1	Theory	-	-	-
Hours	0	0	2	-	2	Practical	30	20	50

Pre-requisites:

Understanding of programming, databases, and algorithms.

Objectives of the course:

1. To motivate the students to work in emerging / latest technologies
2. To help the student to develop ability to apply theoretical and practical tools/techniques to solve real life problems related to industry, academic institutions and research laboratories
3. To provide enough experience to the students to carry out the larger project in the sixth semester.

Theory syllabus

Practical Content

	Guidelines	Hrs
	Students are supposed to find out a suitable project and prepare a detailed plan in fifth semester so that it can be executed smoothly in sixth semester. The students then will work on the identified problem through a rigorous process of understanding and analysing the problem, conducting a literature survey, 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

Reference Books

ICT/MOOCs Reference

1	https://www.coursera.org/specializations/product-management
2	https://www.udacity.com/course/software-development-process--ud805

Course Outcomes:

After successful completion of this course, student will be able to

1. Write the problem/task specification in existing system.
2. Select, collect and use the required information/knowledge to solve the problem.
3. Logically choose relevant possible solution(s).
4. Assess the impact of project on society.
5. Prepare project proposal with action plan and time duration scientifically before beginning the project.
6. Communicate effectively and confidently as a member and leader of team.