

GANPAT UNIVERSITY									
FACULTY OF ENGINEERING & TECHNOLOGY									
Programme	Diploma Engineering				Branch	Civil Engineering			
Semester	V				Version	1.0.0.0			
Effective from Academic Year			2020-21		Effective for the batch Admitted in			July 2018	
Subject code	1CI2508		Subject Name		PROJECT - 1				
Teaching scheme					Examination scheme (Marks)				
(Per week)	Lecture(DT)		Practical(Lab.)		Total		CE	SEE	Total
	L	TU	P	TW					
Credit	0	0	1	0	2	Theory	0	0	0
Hours	0	0	2	0	2	Practical	30	20	50
Pre-requisites:									
The students have the basic knowledge of subject Engineering Material, Surveying, Building Construction, Construction Technology.									

Course Learning Outcomes:									
The theory should be taught and practical should be carried out in such a manner that students are able to acquire different learning skills in field work domain so that students are capable to demonstrate following Competencies in real fieldwork. The students will be able to									
CO1. Solve the problem arise in field through site team effort.									
CO2. Improve ability to collect survey data ref. to their technical grasping knowledge.									
CO3. Planning and execute work with well managed scheduling and Get better responds to analyse real problem through their well experiences of executed work.									
CO4. Regulate the lagging or delay of work with concept of subject CPM and Based on work experience, they become able to make decision to summarised actual problem.									

Course Content					
THEORY SYLLABUS :					
The project should be given relevant to Civil Engineering field. Work should be done as per guideline of consult faculty.					
Name of UNIT	Unit Content		Unit Learning Outcomes	Marks	Hr
<b>GUIDELINE – 1 FUNDAMENTAL INFORMATION</b>	<b>Guidelines for the students:</b> 1.1 The students are required to identify their problem before start of fifth semester and they are required to follow all the rules and instructions issued by department, for safety and other requirements. 1.2 Each student or student group would work under the guidance of the Faculty from the College. 1.3 The students are required to submit the Problem Definition (in the specified format) to their Head of the Department		1a Basic information regarding identifying a title of the project under the guidelines of the assigned guide / department		
	<b>GUIDELINE – 2 FORMAT OF REPORT</b>	<b>The project report should consist of following items.</b> Each Project batch must not exceed 12 students. 1. Introduction	2a Index topics to include in the project report		

	<ol style="list-style-type: none"> <li>2. Literature survey</li> <li>3. Study Area</li> <li>4. Methodology/Design/Tests</li> <li>5. Result and Discussion</li> <li>6. Conclusion and scope for future study</li> <li>7. References</li> </ol> <p><b>A summary of work carried out:</b> The readings, calculations, results and answers in numerical or graphical form, and a discussion of the results, answers and conclusions.</p>			
<p><b>GUIDELINE – 3 PERFORMANCE CRITERIA</b></p>	<p><b>The suggested performance criteria is given below:</b></p> <ul style="list-style-type: none"> <li>• Punctuality and regularity (Log book - mandatory and produced during IA verification)</li> <li>• Initiative in learning/working at site</li> <li>• Level/proficiency of practical skills acquired</li> <li>• Sense of responsibility</li> <li>• Self-expression/Communication skills</li> <li>• Interpersonal skills.</li> <li>• Report writing skills</li> <li>• Viva voce</li> </ul>	<p>3a Development of skill to perform the project writing</p>		
<p><b>GUIDELINE – 4 EXAMPLES OF MAJOR PROJECTS</b></p>	<p><b>Some of suggested projects are given below for reference:</b> These are only guidelines, teacher may take any project related to Civil Engineering depending upon the availability of projects. Preference should be given to practical oriented projects. According to the local needs.</p> <p><b>Examples for some major projects are given below:</b></p> <ol style="list-style-type: none"> <li>1. Construction of a small concrete road consisting of following activities</li> <li>2. Water Supply /Drainage system for a village / Layout</li> <li>3. Construction of shopping complex/School Building / Hostel Building / PHC / Residential Complex / Industrial Building / Bridges/Foundations/Flyovers/Un</li> </ol>	<p>4a Reference project titles for selection of the student group project</p>		

	<p>der Passes</p> <ol style="list-style-type: none"> <li>4. Rainwater harvesting and Recharging</li> <li>5. Water Supply and Sanitary connections for a Multi storied building</li> <li>6. Report on Concrete Mix Design with/without Admixtures.</li> <li>7. Green Buildings</li> <li>8. Solar Farming</li> <li>9. Critical Study of existing water supply system</li> <li>10. Critical Study of existing Sewerage system</li> <li>11. Solid waste management</li> <li>12. Bio-medical waste disposal.</li> <li>13. Flood water management – case study</li> <li>14. Changes in Rainfall pattern and its impact</li> <li>15. Traffic Study</li> <li>16. Noise Study</li> <li>17. Air pollution Study.</li> <li>18. Valuation and Rent fixation</li> <li>19. Water shed management</li> <li>20. Restoration of Lakes.</li> <li>21. Repair estimate of existing Buildings</li> </ol>			
<p><b>GUIDELINE – 5 REPPORT WRITING</b></p>	<p><b>The guidelines for preparing the report of Project:</b></p> <ol style="list-style-type: none"> <li>1. <b>Project reports should be typed neatly in Times New Roman letters on both sides of the paper</b> with 1.5 line spacing on a A4 size paper (210 x 297 mm). The margins should be: Left - 1.5", Right - 1", Top and Bottom - 0.75".</li> <li>2. <b>The total number of reports (Soft bound) to be prepared are</b> <ul style="list-style-type: none"> <li>• One copy to the dept. / guide</li> <li>• One copy to the candidate.</li> </ul> </li> <li>3. <b>Before taking the final printout:</b> The approval of the concerned guide(s) is mandatory and suggested corrections, if any, must be incorporated.</li> <li>4. <b>Every copy of the report must</b></li> </ol>	<p>5a Develop the project report on the basis of the prescribed guidelines</p>		

**contain**

- Inner title page (White)
- Outer title page with a plastic cover
- Certificate in the format enclosed both from the college / organization where the project is carried out.
- An abstract (synopsis) not exceeding 100 words, indicating salient features of the work.

**5. The organization of the report should be as follows:**

1. Inner title page
2. Abstract or Synopsis
3. Acknowledgments
4. Table of Contents
5. List of table & figures (optional)

**Chapters** (to be numbered in Arabic) containing Introduction-, which usually specifies the scope of work and its importance and relation to previous work and the present developments, Main body of the report divided appropriately into chapters, sections and subsections.

- The chapters, sections and subsections may be numbered in the decimal form for e.g. Chapter 2, sections as 2.1, 2.2 etc., and subsections as 2.2.3, 2.5.1 etc.
- The chapter must be left or right justified (font size 16). Followed by the title of chapter centered (font size 18), section/subsection numbers along with their headings must be left justified with section number and its heading in font size 16 and subsection and its heading in font size 14. The body or the text of the report should have font size 12.

List of Practical		
No.	Unit	Name of Practical
1	1	Basic information about the commencement of the project
2	2	Familiarise with the format of the project report
3	3	List of suggested criteria for performing the assigned project
4	4	Some examples of major projects
5	5	Final report writing procedure

List of Instruments / Equipment / Trainer Board	
1	Drafting tools like AutoCAD, MS Excel, MS WORD

Presentation work
In the subject minimum 3 presentations should be taken to enhance presentation skills.

Link of Learning Web Resource	
1	<a href="http://www.issnge.org">www.issnge.org</a>
2	<a href="http://www.springer.com">www.springer.com</a>
3	<a href="http://www.britannica.com">www.britannica.com</a>
4	<a href="http://www.trb.org">www.trb.org</a>
5	<a href="http://www.nptel.com">www.nptel.com</a>