

FINAL REPORT (8000 Words)			
Chapter	Content	Appendix	Project Folder
Cover Page	<ul style="list-style-type: none"> It must include proper formatted cover page including details module details, weightage, student Id, Name, Submission date, internal supervisor's name, and external supervisor's name 		
Abstract	<ul style="list-style-type: none"> Summary of the report (Include only key finding of the report) Though it is included at the start of the report, always write the abstract once the report is completed. 		
Table of Content	<ul style="list-style-type: none"> It must include a proper working table of contents with proper formatting. Headings, Subheadings are to be shown properly. 		
Table of Figures	<ul style="list-style-type: none"> It must include a proper working table of Figures with proper formatting. Captions are to be provided to individual figures and must be included in this section. 		
Table of Tables	<ul style="list-style-type: none"> It must include a proper working table of Tables with proper formatting. Captions are to be provided to individual Tables and must be included in this section. 		
Table of Abbreviation	<ul style="list-style-type: none"> If any abbreviation is used in a report, they must be included in this section. They are to be properly defined . 		
Chapter 1: Introduction	Should at least include the following things:		
	<ul style="list-style-type: none"> Introduction to the topic (Current Scenario of the topic, examples, data) Try not to include definitions if not required 		Research on the current scenario of the topic: <ul style="list-style-type: none"> Research papers News articles Conference papers Web materials

	<ul style="list-style-type: none"> ● Problem Statement (Why did you choose to do this project? Show what are the problems occurring in lack of this project) ● Brief points from the interview/ survey result showing problems ● Describe social, ethical, security, financial related problems if related. 	<ul style="list-style-type: none"> ● Final Interview/Survey Results taken to show the need of the system/app/solution that you will be providing (minimum 50 survey reports) 	<p>Research on:</p> <ul style="list-style-type: none"> ● Current problem scenario for your client/end users from news articles, research papers, conference papers, web materials etc. ● How to plan and take interview/survey <p>Drafts of the interview/survey questions (May be more than one)</p>
	<ul style="list-style-type: none"> ● Project as a solution (Brief outline of what are you going to deliver) ● What are the features of the project in detail? ● How is this project solving the above problems? ● What are the key features that are important or helping to solve problems? 		A small document with the basic outline of the project prepared from the initial survey/interview
	<ul style="list-style-type: none"> ● Aims Describe what your aim is. What type of product have you made? What was your motive for this project? 		
	<ul style="list-style-type: none"> ● Objectives How did you achieve your aim? What were your objectives to achieve your aims? What did you do? 		
	<ul style="list-style-type: none"> ● Structure of the Report Give an overall abstract of the report? Show what is the flow of the report and what does it include? 		
Chapter 2: Background	No fixed structure for this chapter but you can include the following things:		
	<ul style="list-style-type: none"> ● About the client/end user (Detailed Information) ● This will be the detailed summary from the interview/survey that you have received earlier ● But also include how you developed the questionnaire or interview plan too ● Can also be a combination of interview and survey 	<p>Already included in the introduction</p> <p>Additional documents might be meeting logs with clients, meeting documents, and other information about clients.</p>	<p>Already included in the introduction but may contain additional things like information or documents received from the client.</p> <p>Details about clients that can work as evidence for legitimate research and</p>

	<ul style="list-style-type: none"> ● Include who are end users and how they will be accessing this product. 		
	<ul style="list-style-type: none"> ● Understanding the solution (Detailed Information about the solution you are going to develop like Architecture, components of the system etc.) ● E.g., If you are making a Hotel Management System, this part should include a detailed understanding of how a hotel is managed, what aspects of the hotel management you have for this project. ● Might include description of how features are executed in the system. ● How solutions intend to provide solutions to different problems. ● The information may have come from the client's interview itself and in such cases the information can be included in the previous part itself. 	May include additional final interview summaries (taken from experts)	<p>If information has not come from the client but from your other research, try to include research things on the working principle of your topic from sources like:</p> <ul style="list-style-type: none"> ● Books ● Journals ● Conference Paper ● Web materials <p>Or can also include things like interview excerpts taken with experts (not client but can be technical experts like developer who have developed such system or even expert on the topic like people with experience of using that type of system on the problem domain)</p>
	<ul style="list-style-type: none"> ● Review of similar systems/apps/solutions ● Should not just be a brief explanation of the features of the systems/apps/solutions ● Include critical analysis positives and negatives (not necessarily there for every system/app/solution e.g. if you are developing an ecommerce site you might not be the right person to negatively evaluate amazon) ● Include what you liked and what may be taken from the review ● Talk about similarity and dissimilarity between other projects. ● Include what features you have added that makes your system advance or makes your project efficient and effective. 	Screenshots of systems.	<p>Research on similar systems, apps, solutions. Should include:</p> <ul style="list-style-type: none"> ● News review/articles about the above-mentioned things ● Comparisons done by other people ● Blogs written by reliable sources ● Content from reliable forums ● Video by reliable sources ● Emails or documents (Guideline) from the companies that developed those solutions

	<ul style="list-style-type: none"> ● Review of similar projects (Commercial, Research or students project) E.g. Students FYP, dissertation, thesis or also can be conference or research papers ● Should not just be a brief explanation of the project ● Include critical analysis positives and negatives of the project ● Include what you liked and what key findings may be taken from the review of the project 		<p>Research on similar projects</p> <ul style="list-style-type: none"> ● Should include at least the front cover and some important pages of the project (Can also be conference and research papers)
	<ul style="list-style-type: none"> ● Review of technical aspects (that will be key for your project) ● May include research on: <ul style="list-style-type: none"> ○ Programming Languages ○ IDE ○ Libraries ○ Plugins etc. ● Include reasons why these things may be suitable for your project than definitions ● The more in-depth research you show in this part, the more prepared you look for the development of your solution. ● Might be SDLC modules used in other projects and their analysis. 	Artifact supporting your research.	<p>Research on technical aspects. Should include:</p> <ul style="list-style-type: none"> ● Reviews ● Comparative studies ● Blogs ● Web materials
Chapter 3: Development	<ul style="list-style-type: none"> ● Approach/Methodology Considerations (At least 3 approaches or methodologies) ● Explanation of SDLC methodologies. ● Workflow of chosen SDLC methodologies e.g., Sprints, Iterations, increments, phases of SDLC ● Critical Analysis of SDLC. ● Include justification for considering the approach/methodology ● Include justification for selecting or rejecting the approach ● Do not include plain explanation of the approach (Definition) 	Artifacts supporting your research. Pictures, references sites, websites.	<p>Research on the different approaches. Should include:</p> <ul style="list-style-type: none"> ● Research papers ● Book Chapters ● Review of approaches ● Examples of projects where the approach has been used ● Screenshots of different reference sites and videos.

	<ul style="list-style-type: none"> Remember to justify with respect to your project than writing the advantage and disadvantage of the approach 		
	<ul style="list-style-type: none"> Stages of the chosen Approach/Methodology Describe what have you done in each stage very briefly Do not explain what the stage is about Summarize your plan for the overall project mainly summarizing your e.g., Work BreakDown Structure (WBS), Gantt Chart etc. 	Final Version of <ul style="list-style-type: none"> Work Breakdown Structure Gantt Chart etc. Milestone chart how your progress was achieved. 	Research on different topics such as <ul style="list-style-type: none"> More in-depth knowledge of the chosen methodology how to make WBS, Gantt Chart or any plan even templates that you will follow WBS drafts Gantt Chart drafts Milestone chart.
	<ul style="list-style-type: none"> Survey Results Pre-survey Results Include all your survey findings in pre-survey. Point our major findings like problems, ideas etc. Post-survey Results Include all your survey findings in the post survey. Point our major findings like problems, ideas etc. <p>Compare key findings in both the surveys. Mention analysis and result after comparison. Has the problem been solved? Etc. If decisions are made on user feedback or suggestions.</p>	Each survey questionnaires with survey results in diagrammatic representation Feedbacks by users Suggestions	Evidence showing development of forms.
	<ul style="list-style-type: none"> Requirement analysis It must include what features had to be developed in the system. It must also include other functional and non-functional requirements. 	SRS, feasibility studies, risk analysis, resources requirements, hardware requirements for IOT projects in detail.	Artifacts supporting your works
	<ul style="list-style-type: none"> Designs Must include all kinds of UML diagrams describing your system and each functionality, how they work and plan for development. 	Use case, wireframes, designs, high-level use case, expanded use case, communication diagram, sequence diagram, class diagram, Entity relationship diagram,	Initial or final diagrams while developing diagrams or designing systems, acting as proof of your work. Design showing your work.

		Activity diagram, Algorithms, and flowchart.	
	<ul style="list-style-type: none"> ● Development Must include description and screenshots of core features of the system showing proper working. 	Screenshots of working of every feature is to be attached with proper labeling showing smooth flow of process.	Evidence of codes during the development phase that support your work.
Chapter 4: Testing and Analysis	<ul style="list-style-type: none"> ● Test plan Include how testing of the system will be done. Mention different testing approaches and how are you planning to implement them in your system. ● Unit testing Mention different scenarios for unit testing, make different test cases and include the results. ● System Testing Mention different scenarios for testing the whole system, make different test cases and perform tests. Must include test cases where scenarios are failed. Test cases should mostly cover all functions. ● Critical Analysis After testing, analysis of the system is to be done and present your findings and outcomings. 	Testing Screenshots, test cases are to be attached.	Evidence of test cases, testing process, showing your work.
Chapter 5:	<ul style="list-style-type: none"> ● Conclusion Provide the conclusion of your work. Must be simple, covering everything as a summary, challenges you faced, how you solved problems, your entire journey, and experiences. Personal reflection can be included. Talk about Legal, social, ethical issues your project might introduce and how they can be solved. 	If any references for different kinds of issues.	Evidence of your work, research and findings.
	<ul style="list-style-type: none"> ● Advantages Mention what are the advantages of your project. What benefits can people and others obtain? 	If any research related documents that support, you	Evidence of your work, research, and findings.

	<ul style="list-style-type: none"> ● Limitations <p>Mention what are limitations of your project. What are the sides you can still polish up or improve?</p>	If any documents that support this, you research documents about limitations and comparisons.	Evidence of your work, research, and findings.
Chapter 6: Future work	<ul style="list-style-type: none"> ● Future work <p>Mentions some features that you are planning to do in future in this project. What are future plans for the project for example deployment, adding new features, hosting etc. You can add ideas that make your project advance.</p>	Research documents, references for ideas.	<p>Research on different topics such as</p> <ul style="list-style-type: none"> ● Tools and Techniques that will be used in the different aspect of development, testing and evaluation
Chapter 7: References and Bibliography	<ul style="list-style-type: none"> ● References <p>Must include all references sites or research made during development of the project in cited form.</p>		
Chapter 8:	<ul style="list-style-type: none"> ● Appendix <p>Must include all your supporting evidence, materials, designs, codes etc.</p> <p>8.1 Appendix A: Pre-Survey</p> <p>8.1.1 Pre-Survey Form</p> <p>8.1.2 Sample of Filled Pre-Survey Forms</p> <p>8.1.3 Pre-Survey Result</p> <p>8.2 Appendix B: Post-Survey</p> <p>8.2.1 Post-Survey Form</p> <p>8.2.2 Sample of Filled Post-Survey Forms</p> <p>8.2.3 Post-Survey Result</p> <p>8.3 Appendix C: Sample Codes</p> <p>8.3.1 Sample Code of The Ui</p> <p>8.3.2 Sample Code for The Automation Script</p> <p>8.4 Appendix D: Designs</p> <p>8.4.1 Gantt Chart</p> <p>8.4.2 Work Breakdown Structure</p> <p>8.4.3 Algorithms & Flowcharts</p>		

	<div>8.4.4 3d Modeling</div> <div>8.4.5 Hardware Architecture</div> <div>8.4.6 Data Flow Diagrams</div> <div>8.4.7 Use Case 8.4.8 Wireframe</div> <div>8.5 Appendix E: Screenshots of The System</div> <div>8.6: Appendix F: User Feedback</div> <div>8.6.1 User Feedback Form</div> <div>8.6.2 Sample of Filled User Feedback Forms</div> <div>8.7: Appendix G: Future Work</div> <div>8.7.1 Readings for Future Work</div>		
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