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PART - A

GROUP /TEAM CONTRIBUTION

1. **Introduction**
   - Project statement
   - Area
   - Project Introduction and Aim (should cover need of project, implementation overview, application of project)

2. **Literature Survey**
   - (Earlier work done in this area. Discuss in detail.)
   - It should cover earlier limitations & their approach.

3. **Problem Statement**
   - Project Scope
   - Project Assumptions
   - Project Limitations
   - Project Objectives

4. **Project Requirements**
   - Resources
     - Human Resources
     - Reusable Software Components (e.g. Data preprocessing applied at many locations then specify it here)
     - Software & h/w requirements
   - Requirements Rationale (table with columns Requirement, Rationale)

   - Risk Management
     - Project Risk factors in Table format(identify High, Medium, Low)

- Functional Specifications:
    - Interfaces (e.g. functions or methods exposed by the component, web service)(way by which other components will talk to you) (Action performed by the component)
        - External interfaces required
        - Internal interfaces required
        - Communication interfaces
        - Graphical User Interfaces
    - Interactions (How end user is going to use the system….How interfaces and interactions among them will work)
        - Sustainability
        - Quality management
        - Security

5. **System Analysis Proposed Architecture/ high level design of the project**
    - Design Consideration
    - Assumption and Dependencies
    - General Constraints
    - Block Diagram (if applicable)
    - System Architecture
    - Modules of the Project
    - Low level Design
    - UML Diagrams/Agile Framework

(Note: Include UML Diagrams that are applicable to your project in consultation with your guide)

6. **Project Plan** (Include timeline chart for the entire SDLC of your project)

7. Implementation
- Methodology
- Algorithm
- Other Implementation details(if any)
- Discuss Data Set(If any)

8. Performance Evaluation and Testing
- Conduct the performance evaluation of your project in terms of time complexity of your algorithm.
- Discussion type of testing performed or any tool used for testing
- Discuss various test plans(Test Case No, Description, Input, Desired Output, Result of test case)

- Testing Screenshots if any
- Adverse environmental impacts

9. Deployment Strategies

- Security aspects

10. Result and Analysis

- Explanation: how experiment has been performed
- Discuss Results
- Analysis of the results
- It can be well described with the graph, Table or Pie chart or any visualisation tool/mechanism

Applications

- Discuss Applications of the project in detail

Conclusion

- Accomplishment of the project

Future prospects of the project

References
Publication Details
Appendices
A. Base Paper(s)
B. Plagiarism Report from any open source

PART - B

INDIVIDUAL CONTRIBUTION

Problem Statement:

Name of the Student:

Module Title:

Project's Module Objectives - *Individual Perspective*

Project's Module Scope - *Individual Perspective*

Project's Module(s) - *Individual Contribution*

- Hardware & Software requirements
- Module Interfaces
- Module Dependencies
- Module Design
- Module Implementation
- Module Testing Strategies
- Module Deployment

Project to Outcome mapping

Objectives:

1.
2.
3.
4.

Sr. No.	PRN No.	Student Name	Individual Project Student Specific Objective	Learning Outcomes mapped (To be filled by Guide)

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PART - C

REPORT FORMATTING GUIDELINES AND IMPORTANT INSTRUCTIONS

(Note: These are the guidelines to be followed by students and guides, apart from this, Guides have full privilege to customize the report according to project requirements)

- *Part B is about individual contribution. Each student has to write about the module he/she owns. The bullet points mentioned in Part B must be aligned with Part A (especially project objectives and scope of the project.).*
- *Key to avoid confusion is to complete Part B first and then go ahead with Part A.*
- *This is not Software Engineering document. It is an exclusive report about your project so content should only talk about detailing of your project with respect to each point.*
- *Whereever required support Part B document with figures*

Metrics for report preparation:

Online Mode	pdf
Offline Mode	Black Bound with golden Embossing
Sub Heading Font	Times New Roman 14, Bold
Sub Heading Font	Times New Roman 12
Line spacing	1.5 (before-0 after-0)
Text	Fully justified (*use Justify*)
Page Numbering	From introduction chapter 1…normal page numbering **center alignment with numbers 1 Onwards**. From Abstarct till contents **center alignment with ROMAN numbers**. **No page numbers** for Title page and Certificate