



**RAMAIAH
UNIVERSITY**
OF APPLIED SCIENCES

FACULTY OF MANAGEMENT
& COMMERCE

MBA

GROUP PROJECT GUIDELINES



VISION

To be an institute of excellence imparting Management Education for various Stakeholders to be Co-creators, Leaders and Entrepreneurs for Societal and Global Prosperity

MISSION

- M1 To inculcate life-long learning attribute through contemporary Pedagogical Techniques and Assessment
- M2 To cultivate critical thinking capabilities and promote multidisciplinary research for contextual problem solving through a scientific approach
- M3 To instill innovative Business Practices and Entrepreneurial Intentions for Sustainable Growth and Outreach
- M4 To develop Leaders with a holistic mindset sensible to humanity and Society

Programme Educational Objectives (PEOs)

- PEO-1: Practice contemporary global management principles in a wide range of business and real-world paradigm
- PEO-2: Conduct applied research for addressing relevant business and social concerns through an evidence-based approach
- PEO-3: Excel as aspiring Intrapreneurs and Entrepreneurs for Societal Well-being
- PEO-4: Bestow Human Values with a rational mindset for contingent business solutions

Programme Outcomes (POs)

- PO-1: Apply knowledge of management theories and practices to solve business problems
- PO-2: Foster Analytical and critical thinking abilities for data-based decision-making
- PO-3: Ability to develop Value based Leadership ability
- PO-4: Ability to understand, analyze and communicate global, economic, legal, and ethical aspects of business
- PO-5: Ability to lead themselves and others in the achievement of organizational goals, contributing effectively to a team environment

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Guidelines for Group Project

Group Project	
Course Title	Group Project
Course Code	BAP601A
Course Type	Project
Credits	08
Credit Structure (L:T:P)	00:01:07
Total Interaction Hours	74 Hours
Number of Semester Weeks	4 Weeks
Duration	01 Month (Between Semester 3 and Semester 4)
Total Marks	100

1. Group Project Identification and Faculty Supervisor Approval

The Group Project identification and approval process follows a structured sequence of activities, beginning with student orientation and group formation, followed by identification of a suitable project problem, selection of a Faculty Mentor, preparation and review of the project proposal, and final departmental approval. The process is intended to ensure that the proposed project is societally relevant, addresses a critical problem, is feasible as a management research project, and considers potential policy implications, where applicable. The overall process is presented in Figure 1, and the guidelines for each stage of the process are provided in the following sections.

1.1. Purpose

The purpose of these guidelines is to establish a structured and transparent process for identifying group project topics, assigning faculty supervisors, and obtaining departmental approval. The process is designed to ensure that every group project addresses a societal relevant management problem, aligns with programme outcomes, and is academically rigorous and feasible for successful completion.

1.2. Orientation

At the beginning of the Group Project, the Head/Dean shall conduct an orientation session to familiarize students with the objectives, expectations, timelines, evaluation process, and guidelines for the group project. The orientation shall also explain the project approval process and the roles and responsibilities of students and faculty supervisors.

1.3. Formation of Student Groups

Students shall form project groups comprising 5–10 members. Each group shall nominate a Team Leader who will be responsible for coordinating group activities, communicating with the faculty supervisor, and ensuring timely submission of project-related documents.

1.4. Identification of Project Topic

Each group shall identify and select a societal relevant and real-world management problem that demonstrates practical significance and aligns with the programme objectives. The selected topic should encourage analytical thinking, problem-solving, and the application of management concepts to contemporary business or societal challenges.

1.5. Selection of Faculty Supervisor

Based on the proposed project topic, students shall identify and approach a faculty member whose expertise aligns with the selected research area. The faculty member, upon agreeing to supervise the project, shall guide the students throughout the project lifecycle.

1.6. Preparation and Submission of Project Proposal

The student group shall prepare a project proposal containing the project title, background of the study, problem statement, objectives, proposed methodology, expected outcomes, and team member details. The proposal shall be submitted to the assigned faculty supervisor for review.

1.7. Faculty Supervisor Review

The faculty supervisor shall critically review the group project proposal and provide constructive academic guidance to ensure that the proposed project addresses a societally relevant management issue, presents a significant and clearly defined research problem, adopts an appropriate and feasible methodology, and can be completed within the prescribed academic timeline. The review shall also evaluate whether the expected outcomes have managerial and policy relevance and whether the proposed project aligns with the faculty supervisor's domain expertise. Based on the review, the faculty supervisor may recommend necessary modifications to the project proposal before granting approval for submission to the Head/Dean.

1.8. Submission to the Head/Dean

After incorporating the faculty supervisor's suggestions and obtaining the supervisor's approval, the student group shall submit the approved project proposal, along with the

faculty supervisor details and team member information, to the Head/Dean for departmental review.

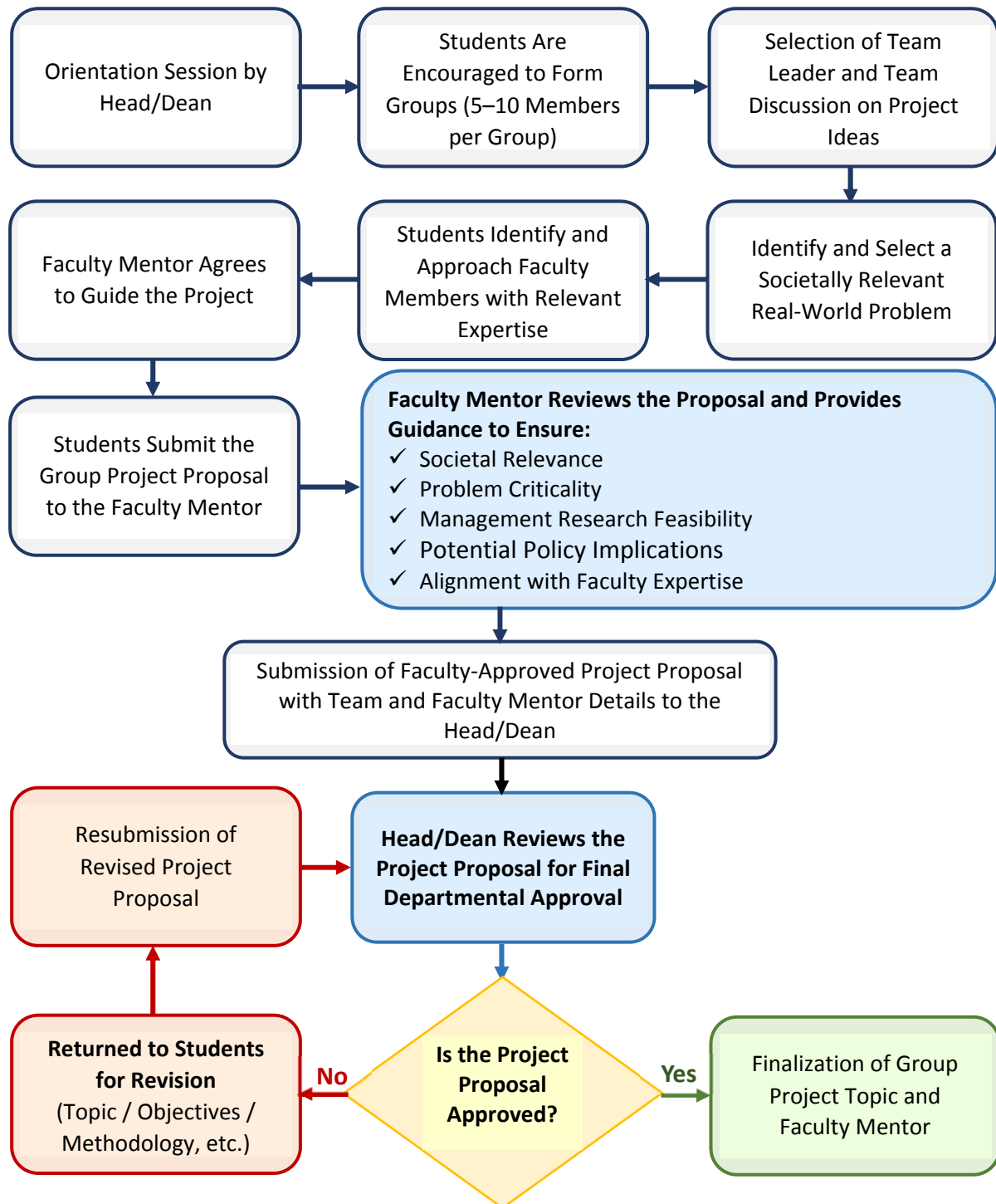


Figure 1. Group Project Identification and Faculty Mentor Approval Process

1.9. Departmental Review and Approval

The Head/Dean shall review the faculty-approved group project proposal, including the project title, brief description, proposed deliverables, and faculty supervisor recommendation, before granting departmental approval. Where revisions are required, the proposal shall be returned to the student group for necessary modifications and resubmission. Upon satisfactory review, the proposal shall be approved, and the group project topic and faculty supervisor shall be formally finalized.

1.10. Revision of Project Proposal

If the proposal requires modifications, it shall be returned to the student group with specific recommendations. The students shall revise the proposal by addressing the suggested changes related to the project title, objectives, methodology, scope, or any other relevant aspect and resubmit it for approval.

1.11. Final Approval

Upon satisfactory review, the Head/Dean shall grant final approval for the project. Only after receiving formal departmental approval shall the student group commence the project work under the guidance of the assigned faculty supervisor.

2. Group Project Monitoring Process

2.1. Commencement of Approved Project

Following formal departmental approval, the student group shall commence the Group Project under the guidance of the approved Faculty Mentor. The project work shall be undertaken in accordance with the approved objectives, methodology, scope, and expected outcomes within the prescribed four-week project period. The Faculty Mentor shall guide the student group in ensuring that the project continues to address a societally relevant and critical problem, remains feasible from a management research perspective, and considers its potential policy implications, where applicable.

2.2. Periodic Project Discussions with Faculty Mentor

The student group shall interact regularly with the Faculty Mentor to discuss the progress of the project work, activities completed, challenges faced, and next steps. A minimum of three interactions per week is suggested as a guideline during the four-week project period. Additional interactions may be undertaken as required, based on the nature, complexity, and

progress of the project. The discussions shall provide opportunities to review the societal relevance and criticality of the problem, the feasibility of the management research approach, and the potential policy implications of the project, where applicable.

2.3. Review of Project Progress and Alignment

The Faculty Mentor shall review the project progress during the interactions with the student group to ensure that the work remains aligned with the approved objectives, methodology, scope, and expected outcomes within the prescribed four-week project period. The review shall also consider whether the project continues to address a relevant and critical problem, remains feasible as a management research project, and considers potential policy implications, where applicable.

2.4. Faculty Guidance and Support, Where Required

Based on the review of project progress, the Faculty Mentor shall provide the necessary academic guidance and support to help the student group address difficulties and continue the project effectively. The guidance may include refinement of the research problem, methodology, scope, and project activities, wherever required, while maintaining the societal relevance, problem criticality, management research feasibility, and consideration of potential policy implications of the project.

2.5. Completion of Project Work

The student group shall complete the approved project work within the prescribed four-week project period and ensure that the approved objectives are addressed through the proposed methodology. The completed project shall demonstrate appropriate consideration of the societal relevance and criticality of the problem, feasibility as a management research project, and potential policy implications, where applicable. Upon completion of the project work, the student group shall proceed to the separate Group Project Assessment Process.

2.6. Maintenance of Group Project Diary

The Group Project Diary shall be maintained throughout the four-week project period as documentary evidence of the interactions, discussions, progress, and academic guidance provided during the monitoring process. The diary shall record the date of interaction, discussion details, remarks from the Faculty Mentor, signature of student(s), and signature of the Faculty Mentor. The diary shall provide evidence of the systematic monitoring of the project, including discussions relating to its societal relevance, problem criticality, management research feasibility, and potential policy implications, where applicable.

3. Group Project Assessment Process

The Group Project shall be assessed for a total of 100 marks through two components. Component 1 – Group Project Presentation carries 50 marks, and Component 2 – Group Project Report Evaluation carries 50 marks. The assessment shall consider the students' understanding of the project, project development and execution, presentation, documentation, and overall project outcomes. The complete assessment process, including the two assessment components, total marks, and minimum qualifying requirement for each component, is presented in Figure 2. The guidelines for each assessment component are provided in the following sections.

3.1. Component 1 – Group Project Presentation

The Group Project Presentation shall carry 50 marks. The students shall present their project work, including the motivation, title, aim and objectives, project concept, design, development or implementation, testing, demonstration, and project outcomes. The presentation shall also include a viva voce. The evaluation shall be carried out using the prescribed criteria and rubrics provided in Tables 1 and 2.

3.2. Component 2 – Group Project Report Evaluation

The Group Project Report Evaluation shall carry 50 marks. The report shall present the project concept and relevance, title, aim and objectives, methods and methodology, project development or implementation, testing, product video, project outcome, references, and team experience. The report shall be evaluated using the prescribed criteria and rubrics provided in Tables 3 and 4.

3.3. Assessment and Passing Requirement

The marks obtained in both components shall be combined to calculate the total marks out of 100. The student shall secure a minimum of 40% in each component to pass the Group Project. Therefore, the student shall obtain at least 20 marks out of 50 in Component 1 and 20 marks out of 50 in Component 2. A student who secures less than 40% in either component shall be declared to have failed the Group Project, irrespective of the total marks obtained.

3.4. Use of Assessment Rubrics

The prescribed rubrics shall be used to evaluate the performance of students in both components. The evaluators shall award marks based on the performance demonstrated by the students in the Group Project Presentation and Group Project Report.

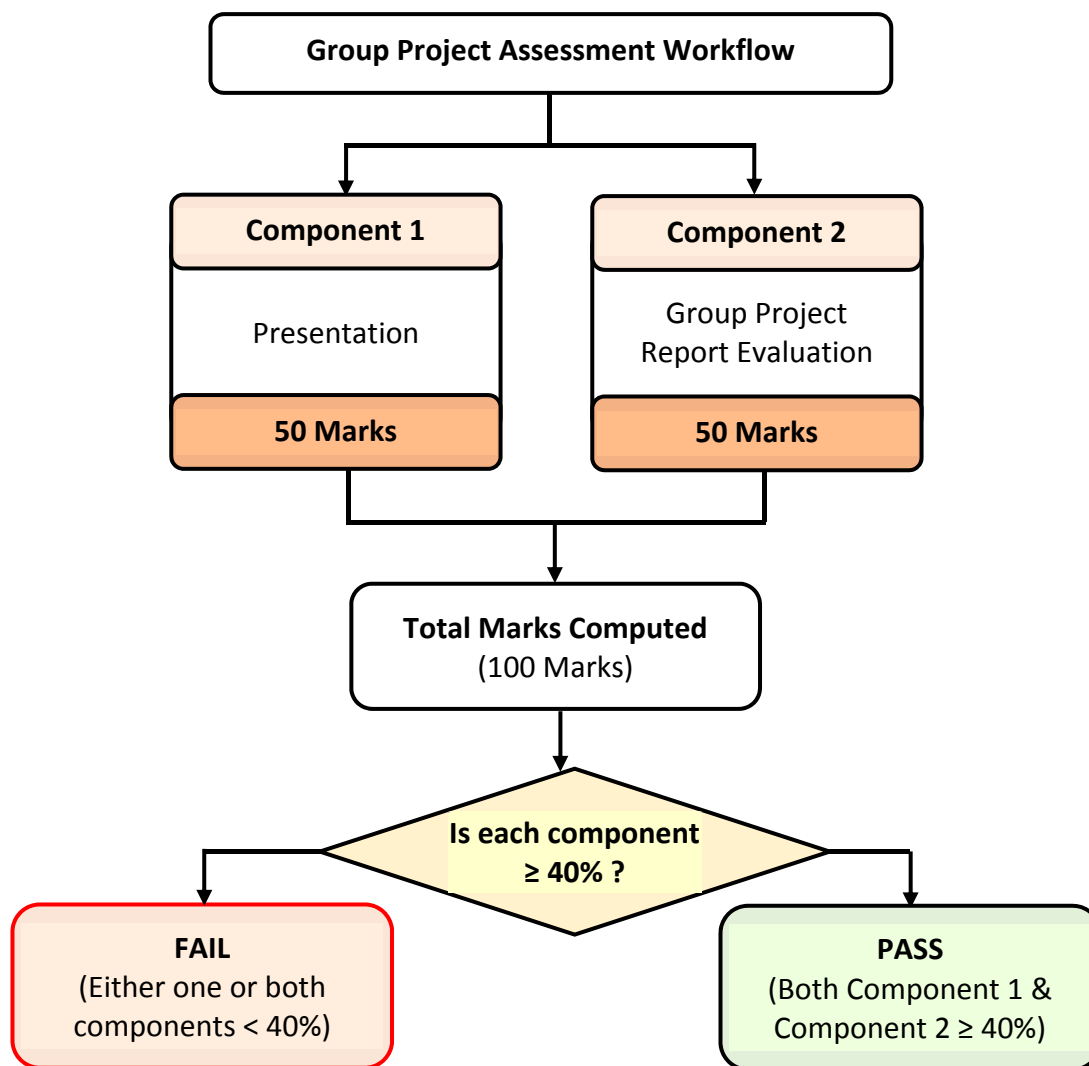


Figure 2. Group Project Assessment Workflow (Total Marks: 100)

Table 1. Component 1 – Presentation

Sl. No.	Attribute	Max Marks	Evaluation by
1	Motivation, Title, Aim and Objectives	4	Two Internal Examiner
2	Project Concept, Design, Development or Implementation, Testing	20	
3	Demonstration	10	
4	Presentation	06	
5	Viva Voce	10	
Total Marks		50	

Table 2. Rubrics for Component 1 – Presentation (50 Marks)

Criteria (Marks)	Excellent	Good	Satisfactory	Needs Improvement
Motivation, Title, Aim, and Objectives (Maximum marks: 4)	4 Marks Clearly defined, well-articulated with strong rationale and alignment to project concept.	3 Marks Well-stated but minor gaps in alignment or clarity.	2 Marks Adequate but lacks clarity or strong justification.	0-1 Mark Poorly defined or missing critical elements.
Project Concept, Design, Development/Implementation, Testing (Maximum marks: 20)	16-20 Marks Well-structured, innovative, and demonstrates deep understanding and application.	11-15 Marks Good structure with minor gaps in execution.	06-10 Marks Satisfactory, but some flaws in execution or concept understanding	0-5 Marks Weak structure, lacks coherence, or poor execution.
Demonstration (Maximum marks: 10)	9-10 Marks Engaging, clear, and fully functional demonstration with practical relevance.	7-8 Marks Clear demonstration with minor execution gaps.	5-6 Marks Basic functionality demonstrated, but lacks depth.	0-4 Marks Poorly demonstrated or lacks clarity in execution.
Presentation (Maximum marks: 6)	6 Marks Professionally delivered, well-structured, engaging, and clear.	4-5 Marks Well-organized but minor gaps in engagement or clarity.	2-3 Marks Satisfactory but lacks smooth delivery.	0-1 Marks Poor delivery, unclear, or lacks engagement.
Viva Voce (Maximum marks: 10)	9-10 Marks Demonstrates deep knowledge, confidence, and ability to answer questions effectively.	7-8 Marks Good knowledge with minor gaps in responses.	5-6 Marks Basic understanding but struggles with in-depth questions.	0-4 Marks Lacks clarity, confidence, or knowledge in answering questions.

Table 3. Component 2 – Report (50 Marks)

Sl. No.	Attribute	Max Marks	Evaluation by
1	Introduction and Motivation (Project Concept and its Relevance)	3	Two Internal Examiners
2	Title, Aim, Objectives, Methods and Methodology	7	
3	Project Concept, Design, Development or Implementation, Testing	17	
4	Uploading Product video on YouTube	8	
5	Outcome-Working Model/Prototype /Tool/Patent/New Process/ Procedure / Design/ Technique	5	
6	References	5	
7	Team Experience	5	
Total Marks		50	

Table 4. Rubrics for Component 2 – Report (50 Marks)

Criteria (Marks)	Excellent	Good	Satisfactory	Needs Improvement
Introduction and Motivation (Project Concept & Relevance) (Maximum marks: 3)	3 Mark Clearly stated, well-justified, and strongly relevant.	2 Mark Well-explained but minor gaps in justification.	1 Mark Satisfactory, but lacks depth.	0 Mark Poorly justified or missing critical elements.
Title, Aim, Objectives, Methods & Methodology (Maximum marks: 7)	6-7 Marks Clearly defined with strong coherence and alignment.	4-5 Marks Well-defined but with minor gaps in alignment.	2-3 Marks Adequate but lacks clarity in methodology.	0-1 Mark Poorly structured or lacks coherence.
Project Concept, Design, Development/Implementation, Testing (Maximum marks: 17)	13-17 Marks Comprehensive, detailed, and well-executed with strong justification.	9-12 Marks Well-structured but some execution flaws.	5-8 Marks Satisfactory but lacks depth in execution.	0-4 Marks Poorly structured with weak execution.
Uploading Product Video on YouTube (Maximum marks: 8)	7-8 Marks Well-produced, clear, informative, and engaging.	5-6 Marks Good video but minor gaps in clarity or engagement.	3-4 Marks Basic video, lacking depth or clarity.	0-2 Marks Poor video quality or missing.
Outcome - Working Model/Prototype/Tool/Patent/New Process/Procedure/Design/Technique (Maximum marks: 5)	5 Marks Fully functional, well-documented, and practically relevant.	4 Marks Functional with minor gaps in documentation or relevance.	2-3 Marks Partially functional or lacks strong relevance.	0-1 Marks Weak or non-functional outcome.
References (Maximum marks: 5)	5 Marks Properly formatted, well-researched, and relevant citations.	4 Marks Well-cited but minor formatting issues.	2-3 Marks Basic citations with some inconsistencies.	0-1 Marks Poor or missing references.
Team Experience (Maximum marks: 5)	5 Marks Strong collaboration, leadership, and teamwork evident.	4 Marks Good teamwork with minor gaps.	2-3 Marks Some issues in teamwork or collaboration.	0-1 Marks Weak collaboration or lack of teamwork.

4. Research Ethics, Academic Integrity and Responsible Research Practices

The Group Project shall be undertaken in accordance with the applicable University policies and ethical requirements. Students shall maintain academic integrity, originality, proper acknowledgement of sources, and responsible conduct throughout the project.

4.1. Research Ethics and Academic Integrity

Students shall conduct the Group Project honestly and responsibly. The project problem, methodology, data, analysis, findings, outcomes, and conclusions shall be presented accurately without fabrication, manipulation, or misrepresentation.

All information, ideas, data, tables, figures, and other materials obtained from external sources shall be appropriately cited and acknowledged. Copyright and permission requirements shall be followed wherever applicable. The contributions of individuals who have made substantive contributions to the project shall be appropriately acknowledged.

Where applicable, students shall comply with the University's requirements for ethical clearance for projects involving human participants, surveys, interviews, interventions, or other activities requiring ethical approval. Students shall also disclose any actual or potential conflict of interest that may affect the project.

4.2. Plagiarism and Similarity Check

The Group Project Report shall comply with the RUAS Plagiarism Policy. Students shall ensure that the report is original and that all sources are properly cited and acknowledged.

The prescribed plagiarism/similarity check shall be conducted using the University-approved Turnitin mechanism before submission. The University Plagiarism Policy specifies a Similarity Index of $\leq 10\%$ for Ph.D. Thesis and PG Dissertations/Assignments.

The required similarity report and declaration shall be submitted along with the Group Project Report. Any case of plagiarism or academic misconduct shall be dealt with in accordance with the applicable University policies and regulations.

4.3. Responsible Use and Disclosure of Artificial Intelligence

Students may use Artificial Intelligence (AI) and AI-assisted tools where permitted. AI shall be used only as a supporting tool and shall not replace the students' own intellectual contribution, critical thinking, analysis, or project work.

Students shall disclose the use of AI tools as prescribed by the University and shall provide the required information regarding the AI tool used, version/date, and nature, extent, and purpose of its use.

Students shall verify AI-generated information and references before using them in the Group Project. Students shall remain responsible for the accuracy, originality, quality, and proper referencing of the submitted work. AI-generated content shall not be presented as the students' own original work without appropriate disclosure or attribution.

Annexures

Annexure	Prescribed Template
Annexure I	Group Project Report Template
Annexure II	Presentation Template
Annexure III	Abstract Template
Annexure IV	Poster Template
Annexure V	Group Project -Diary

Annexure I: Group Project Report Template

<Title Font: Calibri, 20>

Conceptual and Aerodynamic Design of Single Seater Light Sport Aircraft and Fabrication of Scale Model



Group Project Report Template

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Sl. No.	Reg. No.	Student Name	Department

Mentors :

Month Year

FACULTY OF MANAGEMENT AND COMMERCE

M. S. RAMAIAH UNIVERSITY OF APPLIED SCIENCES

BENGALURU -560 054

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- PE-5: Ability to lead themselves and others in the achievement of organizational goals, contributing effectively to a team environment

FACULTY OF MANAGEMENT AND COMMERCE***Certificate***

This is to certify that the Project titled “XXXXXXXXXXXXXXXXXXXXX” is a bonafide record of the group project work carried out by Mr./Ms. _____ bearing Reg. No. _____

Sl. No.	Reg. No.	Student Name

Department of Management Studies, FT-2024 batch in partial fulfilment of requirements for the award of M.B.A. Degree of M. S. Ramaiah University of Applied Sciences.

June 2026

Faculty Mentor

Program Head

Dr. K.M. Sharath Kumar
Dean – Faculty of Management and Commerce

Declaration

<XXXXXXXXXXXXXXXXXXXXXX>

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The Group Project report submitted herewith is a result of our own work and in conformance to the guidelines against plagiarism as laid out in the University Student Handbook. All sections of the text and results which have been obtained from other sources are fully referenced. We understand that cheating and plagiarism constitute a breach of University regulations and will be dealt with accordingly.

Sl. No.	Reg. No.	Student Name	Department	Signature

Date : XX

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<Heading-1: Calibri, 16> Acknowledgements

1. Acknowledge your academic and industry supervisor
2. Acknowledge all those who have helped you directly or indirectly for the successful completion of your project work
3. Acknowledge to HoD and Faculty Dean
4. Remember it is an opportunity to express your gratitude to whomever deemed fit

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Length: Not to exceed one page

<Heading-1: Calibri, 16> Abstract

Complete the Abstract in 3 paragraphs each paragraph not exceeding 80 words (1 page)

Paragraph-1:

You need to bring in

- The work you have chosen to do
- Motivation for selecting this work

Paragraph-2:

- Scope of the chosen work
- Methods and Methodology used for solving the chosen problem

Paragraph-3:

- Main results and conclusions drawn

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Length: Not to exceed one page

<Heading-1: Calibri, 16> Table of Contents

Certificate	(ii)
Declaration.....	(iii)
Acknowledgements.....	(iv)
Abstract	(v)
Table of Contents.....	(vi)
List of Tables.....	(x)
List of Figures.....	(xi)
Nomenclature.....	(xii)
Abbreviations and Acronyms.....	(xiii)
Chapter-1: Introduction and Motivation.....	01
Preamble to the Chapter	
1.1 Introduction	
1.2 Motivation	
1.*	
Chapter-2: Aim and Objectives	
Preamble to the Chapter	
2.1 Title of the Project	
2.2 Aim of the Project	
2.3 Objectives of the Project	
2.4 Methods and Methodology	
Chapter-3: Problem Solving	
Preamble to the Chapter	
Title this Chapter as applicable to your work:	
1. Design and Development	
2. Design, Simulation and Implementation	
3. Design and Simulation	
4. Formulation and Testing	
5. Clinical Study of _____	
6. Field Study of _____	

7. Product Concepts and Development
8. Data Collection, Modelling and Simulation
9. Design, Modelling and Analysis

Chapter-4: Outcomes

Preamble to the Chapter

References

Team Experience

Appendices

Enclose Project Video (after uploading in You Tube)

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<Heading-1: Calibri, 16> List of Tables

A typical List of Tables content page looks like this

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Table 1.1	Title of the table.....	10
Table 2.1	Title of the table.....	14
...		
...		
Table 4.1		

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How to represent a table:

Table number, Table title, Units of the parameters are important

Table 2.1 Enthalpy of formation of some common elements and compounds

Sl. No.	Species	Reaction	State

<Heading-1: Calibri, 16> List of Figures

Figure 1.1	Title of the figure.....	11
Figure 1.2	Title of the figure.....	
Figure 1.*		
Figure 2.1		
Figure 3.1		
Figure 4.1		

How to represent a figure

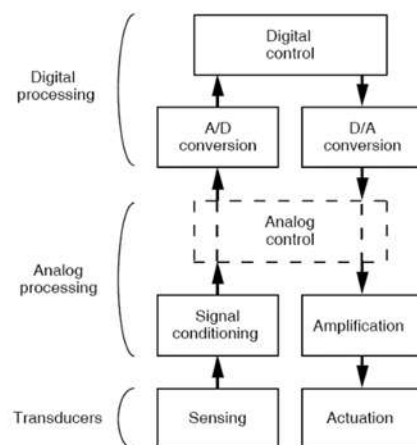


Figure 2.7 Levels of functionality required for control systems

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<Heading-1: Calibri, 16> Nomenclature

A	Acceleration (m/s^2)
F	Force (N)
T	Temperature (K)
t	Temperature ($^{\circ}\text{C}$)
N	Speed (RPM)
DOF	Degrees of Freedom
W	Track Width (m)

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<Heading-1: Calibri, 16> Abbreviation and Acronyms

DEA Data Envelopment Analysis

DMU Decision Making Unit

(To be filled in alphabetical order)

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<Heading-1: Calibri, 16> 1. Introduction and Motivation

Preamble to the Chapter

1.1 Introduction and Motivation should address the following: <Heading-2: Calibri, 12>

- Interesting research issues that the proposed project plans to explore
- Brief preview to facilitate recognition and appreciation of core theme or the central focus of the project
- Succinct and yet informative explanation for quick establishment of the significance of the proposed project

1.1.1 Sub Heading <Heading-3: Calibri, 12>

- Heading and sub-heading can be highlighted in bold

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<Heading-1: Calibri, 16> 2. Aim and Objectives

This chapter should contain the following:

Preamble to the Chapter

- **Title**
 - ❖ Title of the project
- **Aim**
 - ❖ Defined aim
- **Objectives**
 - ❖ Defined objectives
- **Methods and Methodology/Approach to attain each objective**

Objective No.	Statement of the Objective	Method/ Methodology	Resources Utilised
1			
2			
3			
4			
5			

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<Heading-1: Calibri, 16> 3. Problem Solving

Preamble to the Chapter

This chapter may be titled as applicable to your work.

For example:

1. Experimental
2. Materials and Methods
3. Modelling, Simulation and Verification
4. Product Concepts and Development
5. Data Collection, Modelling and Simulation
6. Design, Modelling and Analysis

The chapter explanation may be developed in the order of listed objectives

(Title this Chapter as applicable to your work)

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<Heading-1: Calibri, 16> 4. Outcomes

Preamble to the Chapter

Presentation of results can be through:

- ❖ Tables
- ❖ Graphs and Contours
- ❖ Photographs
- ❖ Can be any of the three or all
- ❖ Justification of Realisation of Objectives
- ❖ Relevant Discussions
- ❖ Propose Recommendations with substantiation

(Results should have Verification or Validation)

In addition, the discussion should include the Impact on Socio-Economic and Environmental Aspects from the Developed 'Product / Concept / Framework / Formulations '

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References

For Masters dissertation, Harvard referencing style must be followed:

- ❖ List of references be arranged in an alphabetical order

Format of Referencing

[Referring a Journal Paper]

1. Nakayama, W. and Nakajima, T. (1982) Effects of Pore Diameters and System Pressure on Saturated Pool Nucleate Boiling Heat Transfer from Porous Surfaces, *J. Enhanced Heat Trans.*, 104(2), pp. 286-291.

[Referring a Book]

2. Nield, D.A. and Bejan, A. (2005) *Convection in Porous Media*, New York: Springer-Verlag.

[Referring a Edited Book]

3. Yang, W. and Kim, J.H. (1992) *Rotating Machinery*, New York: Begell House.

[Referring a Chapters of Edited Book]

4. Nishikawa, K., Ito, T. and Eds (1982) Augmentation of Nucleate Boiling Heat Transfer by Prepared Surfaces, In Mizushima T. and Yang W.J., Eds., *Heat Transfer in Energy Problems*, Washington, D.C.: Hemisphere Publishing, pp. 1111-1182.

[Referring a E-Book]

5. Buyevich Yu, A. and Alexandrov, D.V. (2005) *Heat Transfer in Dispersions*, Connecticut: Begell House, Available at <http://www.edata-center.com/ebooks/b7f98f1e271b3e77a.html/> E-Books [accessed 5 May 2005].

[Referring a Conference Proceedings]

6. Ma, T.M. (1987) Effects of Geometrical Shapes of Reentrant Grooves on Boiling Heat Transfer from Porous Surfaces, *Heat Transfer 1986, Proc. of 8th Intl. Heat Trans. Conf.*, Vol. 4, pp. 2013-2018.

[Referring a Dissertation]

7. Richmond, J. (2004) *Steady State Thermal Conductivity*, PhD Thesis, University of Connecticut.

[Referring a White Paper]

8. Bettencourt, S. and Anderson, J.L. (1990) Pen-Reared Salmonid Aquaculture in the Northeastern United States, U.S. Department of Agriculture, Northeast Regional Aquaculture Center Report 100. Kingston, RI.

[Referring Standards]

9. ASME, (1996) Scheme for the Identification of Piping Systems, ASME Standard A13.1.

[Referring a Manual]

10. Ricardo Software Company, (2005) VECTIS Help Manual, VECTIS Help Centre v3.9.2.

[Referring Webpages]

11. Nonperiodical Web Document - Author A.A., Author B.B., (Year of publication) *Title of document*. Retrieved month day, year, from <http://Web address>.
12. Chapter or Section of a Web document - Author A.A., Author B.B., (Year of publication) *Title of article, In Title of book or larger document* (chapter or section number), Retrieved month day, year, from <http://www.someaddress.com/full/url/>
13. Online Scholarly Journal Article - Author A.A., Author B.B., (Year of publication) *Title of Article, Title of Journal*, volume number, Retrieved month day, year, from <http://www.someaddress.com/full/url/>

[Referring a Patent]

14. Vladimir, E. S. (1996) Light Duty Box Wing Aeroplane, US Patent No. 5503352, available at www.freepatentsonline.com/5503352.pdf, April 2, 1996.

Team Experience

Appendix

Appendix-A

Any material, which is important but affects the flow of your writing can be brought under Appendix.

SOURCE CODES FROM ANSYS

FULL TRUCK 3D CYLINRICAL PENDULUM MODEL

```
!
!          CYLIDRICAL PENDULUM WIREFRAME MODEL
!          GAP ELEMENTS INCLUDED BUT COMMENTED OUT
/FILNAM, "INSERT SOME RUN NAME HERE"
/CONFIG,NRES,10000 !ALLOWS ANSYS TO READ ALL 835 LOAD CURVES
/TITLE,Tanker Truck Stability

/PREP7
!*
!*****
!R1 IS THE REARMOST COMPARTMENT OF THE VEHICLE

R1 = .581
R2 = .590
R3 = .599
R4 = .607
R5 = .616
R6 = .624
R7 = .633

PENMASS1= 875.34
FIXMASS1= 745.66

PENMASS2= 891.55
FIXMASS2= 729.45

PENMASS3= 907.76
FIXMASS3= 713.24

PENMASS4= 923.97
FIXMASS4= 697.03

PENMASS5= 940.18
FIXMASS5= 680.82

PENMASS6= 956.39
FIXMASS6= 664.61

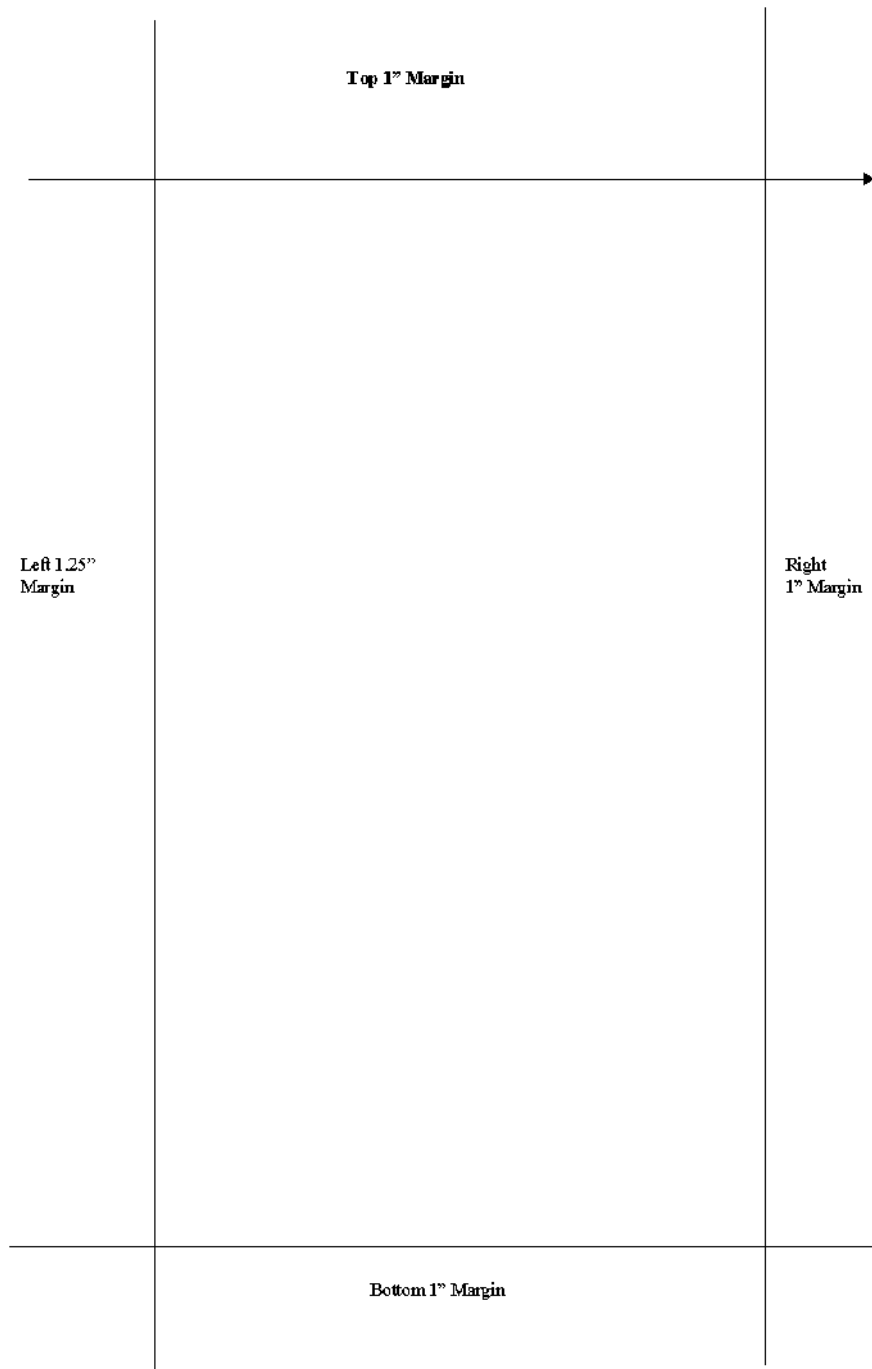
PENMASS7= 972.6
FIXMASS7= 648.4

!*****
*****
!*
MAT,1,
!St1_AISI-C1020.SI_MPL ! MATERIAL 1 TABLE (NORMAL STEEL)
MP,EX,1,2.07E11
MP,NUXY,1,.29
MP,DENS,1,7850
!*
```

Enclose Project Video (after uploading in You Tube)

General Guidelines

1. A good project can be written only if you have good piece of work
2. A good piece of work will be ignored if not presented properly
3. Remember – you are writing it because you want others to read
4. If you do not use sufficient care in writing, one will doubt whether you have taken good care in your work either
5. Use clear and short sentences and write in third person. Avoid using bombastic words or jargons
6. All the assumptions and input data should be documented
7. It should be possible to reproduce your computations/experiments by others using your dissertation.
8. Use British English-spelling
9. Units and consistency in the use of units is important. Use only SI Units
10. Use A4 white sheet (bond paper) for printing your project report. Use font size of 12, Calibri, sub-headings can be of same font size but bold
11. Margins should be as shown in the figure



Annexure II: Presentation Template



Group Details

Sl.No.	Reg. No.	Name of the student	Department
1			
2			
3			
4			

Batch : FT _____ / PT _____



• Title of the Project

• Mentors

Mentor 1:

Mentor 2:

• Place of Work

Outline

- Introduction
- Motivation(Project Concept and its relevance)
- Aims and Objectives
 - Title, Aim, Objectives, Methods and Methodology
- Problem Solving
 - Project Concept, Design, Development or Implementation, Testing
- Outcomes-
 - Working Model/Prototype/Tool/Patent/ New Process/ Procedure/ Design/ Technique
- References
- Demonstration
- Exhibition
- Team Experience
- Report Writing and Uploading Product video on YouTube

4

Introduction

5

Motivation (Project Concept and its relevance)

6

Aims and Objectives

Title, Aim, Objectives, Methods and Methodology

7

Problem Solving

As applicable to your work:

- Design and Development
- Design, Simulation and Implementation
- Design and Simulation
- Formulation and Testing
- Clinical Study of _____
- Field Study of _____
- Product Concepts and Development
- Data Collection, Modelling and Simulation
- Design, Modelling and Analysis

8

Outcomes

- Working Model / Prototype / Tool / Patent / New Process / Procedure / Design / Technique

9

References

10

Demonstration

11

Exhibition

12

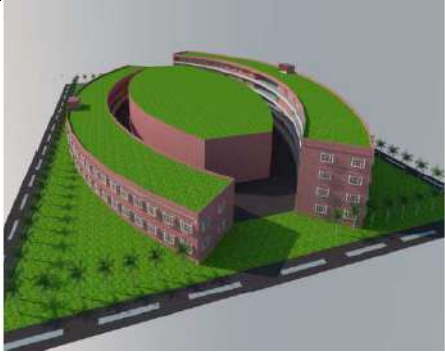
Team Experience

13

Report Writing and Uploading Product video on YouTube

14

Annexure III: Abstract Template

Planning and Design of RUAS Green Ramaiah Campus		
<i>Name of the Students</i>	1. Adeeb Delvi (14ETCE001002) 2. Monisha M (14ETCE001011) 3. Santhosh V (14ETCE001056) 4. Shwetha B (14ETCE001059)	Department of Management Studies (2019 Batch)
Academic Supervisor(s)	H. M. Rajashekarswamy, Nayana N Patil, Chethan Gowda R.K. and Abhishek P.V	
Industrial Supervisor(s)		
Keywords: Green Campus, Three dimension analysis and CYPE		
<p>Abstract:</p> <p>The concepts in green planning include efficient natural, cross ventilation system, brick vents, S-W orientation of the building, skylights, smart windows, Roof gardens and double wall technique, proper sunshades, natural wire-cut clay bricks and use of natural materials.</p> <p>RUAS Green campus, Proposed at Chikkaballapura district is a green building that is designed, built and operated in an ecological and resource-efficient manner. This campus is designed to meet certain objectives such as protecting occupant health, using solar energy more efficiently and also reuse and recycle the waste such as sewage water and other solid waste coming out of the campus, thus reducing the overall impact to the environment.</p> <p>In this work campus was designed to cause minimal impacts on the environment throughout its life. Every phase of the building process right from planning, design, construction and operation green concepts are incorporated such that the whole campus is energy efficient.</p> <p>This work is intended to provide the master plan with complete planning of all the faculties and other amenities, 3D view of each faculty and the complete RCC analysis, design and detailed estimate of faculty of engineering and technology.</p>		
<div style="display: flex; justify-content: space-around; align-items: flex-end;"> <div style="text-align: center;">  <p>Faculty of Pharmacy, Dental Management and Hospital</p> </div> <div style="text-align: center;">  <p>Administrative Block</p> </div> <div style="text-align: center;">  <p>Faculty of Hotel</p> </div> </div> <p style="text-align: center;">Three dimension Models designed in REVIT</p> <p>Conclusion: This campus will reduce the carbon footprint by using green concepts in planning. Initial cost of the project was found by 1.3 times more compared to conventional because of the use solar panels, and other green materials, but it was found economical for the design period of 50 years with less impact on the surrounding environment.</p>		

Annexure IV: Poster Template



“From Traffic Control to Self-care: A Study on Mental and Physical Well-being of Traffic Police Personnel in North of Bangalore”.

Traffic police officers play a critical role in maintaining order, ensuring road safety, and managing traffic flow in bustling urban environments. Their job involves facing numerous challenges, including dealing with heavy traffic, enforcing traffic regulations, managing road accidents and facing the wrath of frustrated commuters. While their contributions are essential to maintaining the functioning of transportation systems, the demanding nature of their work can have significant impacts on their mental and physical well-being. Despite the crucial role of traffic police officers, limited attention has been given to their overall well-being. In this context, this study seeks to bridge the research gap on the mental and physical well-being of traffic police personnel. This research highlights the challenges they face and understands the impact it has on their overall health.

A survey was conducted of five traffic police stations situated in north Bengaluru viz. Sadashivnagar, RT Nagar, Yeshwanthpur, Jalahalli and Hebbal traffic police stations. Through review of literature, the variables which had an affect on their well being, namely working conditions, workplace stress, work-life balance, coping mechanisms and designation of traffic police personnel, were identified. Based on these factors a questionnaire was drafted for conducting the survey.

The data obtained from the survey was statistically analyzed using SPSS. The reliability of the questionnaire was measured using the Cronbach Alpha which came as 0.630, indicating the reliability of the instrument. Hypotheses were developed to establish the relationship of the identified variables with mental and physical health of the traffic police personnel. It was noted that workplace stress, working conditions and physical health of traffic police personnel has a significant impact on their mental health and coping mechanisms has a major impact on physical health of traffic police personnel. A pamphlet was prepared by the group to address the issues faced by traffic police personnel. It was recommended that stress management training needs to be given at regular intervals to improve their work efficacy and coping skills. The personnel also need to be made aware of the facilities available to manage and improve their mental health conditions.

Academic Guide
Dr. Chandra Sen Mazumdar



Fig 1. Photographs taken during survey



Fig 2. Pamphlet designed by the Team

Team Members

1. 21MCMS100005	Khyaati Misra	6. 21MCMS101116	Manvith C S
2. 21MCMS100008	Shahnawaz Wani	7. 21MCMS101178	Sheikh Nida Afreen A
3. 21MCMS101046	Brijesh Yadav R	8. 21MCMS101182	Smitha K S
4. 21MCMS101083	Harshitha T M	9. 21MCMS101189	Sufiyan Ahmed Khan
5. 21MCMS101089	Jyothi R G	10. 21MCMS101191	Sunidhi

Annexure V: Group Project -Diary

Ramaiah University of Applied Sciences

Faculty of Management and Commerce

MBA Program

Batch FT 2024

Name of the Student(s)	
Academic Supervisor	
Industrial Supervisor, if any	
Title of the Project	

Note: This dairy has to be presented to the supervisor during Group Project discussions.

Date of Interaction	
Discussion Details	
Remarks from the Supervisors	
Signature of the Student(s)	
Signature of the Supervisor	



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UNIVERSITY
OF APPLIED SCIENCES

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