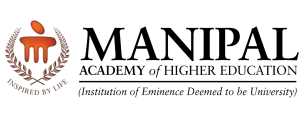
***TITLE OF THE PROJECT***

M.Tech. Data Structure project report submitted to

By

|  |  |
| --- | --- |
| ***Name of the Candidate***  ***Registration number*** | ***Name of the Candidate***  ***Registration number*** |

**Department of Data Science and Computer Applications,**

**Manipal Institute of Technology, MAHE, Manipal**

**2024**

## ABSTRACT

The abstract is a summary of the entire project, highlighting the problem, objectives, methodology, and key findings or results. It should give readers a quick overview of the project’s purpose, approach, and outcomes in a concise manner (usually 150-250 words).

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## INTRODUCTION

This section provides an overview of the project. Explain the importance of data structure/algorithms and introduce the specific problem or need that the project aims to address. Highlight the significance of the project in terms of data structure/algorithms used.

## LITERATURE REVIEW

In this section, review existing research, technologies, and systems relevant to your project. Discuss the project models, methodologies, data structure, algorithms and tools used in previous studies or similar applications. Highlight their strengths, weaknesses, and how your project either builds upon or diverges from these approaches.

## PROBLEM STATEMENT

Clearly define the problem your project addresses. Describe the challenges faced in managing data without an effective data structure and algorithms. Also highlight why this problem needs to be solved.

## OBJECTIVES

Outline the goals of your project. This could include your project results and providing a user-friendly interface.

## METHODOLOGY

Describe the approach and steps you followed in developing the project. This includes data collection, algorithms used, methods and tools used. Include flow charts and other diagrams if necessary.

**6. RESULTS AND DISCUSSIONS**

Present the outcomes of the project. Show their results, and any performance metrics. Plot the graph if necessary. Table showing the results can also be included. Briefly discus the results obtained. Also include analysis if applicable. If you built a user interface, include screenshots and discuss the same.

## CONCLUSION

Summarize the achievements of the project and reflect on how the objectives were met. Mention any limitations encountered and their potential impact on the system.

## FUTURE SCOPE

Discuss possible improvements or extensions of the project. This could include adding new features or developing new algorithms etc.

## REFERENCES

List the academic papers, textbooks, online resources, and software documentation that you consulted during the project. Follow a citation style, like APA or IEEE.