Title of Your MTP

An M. Tech Project Report Submitted
in Partial Fulfillment of the Requirements
for the Degree of

Master of Technology

by

Student Name
(190106410)

under the guidance of

Your guide name

to the

DATA SCIENCE PROGRAMME

INDIAN INSTITUTE OF TECHNOLOGY GUWAHATI
GUWAHATI - 781039, ASSAM

CERTIFICATE

*This is to certify that the work contained in this thesis entitled "**Title of Your MTP**" is a bonafide work of **Student Name** (**Roll No. 190106410**), carried out in the Data Science programme, Indian Institute of Technology Guwahati under my supervision and that it has not been submitted elsewhere for a degree.*

Supervisor: **Your guide name**
Designation
Month, of 2020
Department of ,
IIT Guwahati,
Assam

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Designation
Month, of 2020
Department of ,
IIT Guwahati,
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Acknowledgements

Write acknowledgements, if your want to.

Contents

List of Figures

List of Tables

Chapter 1

Introduction

Write introduction.

1.1 Section name

1st Section

1.2 2nd Section name

2nd Section

1.3 Organization of The Report

You can write the about otganization of your report in the following manner.

This chapter provides a background for the topics covered in this report. We provided a description of wireless ad hoc networks, and their applications. Then we described the network model that represents the topology of wireless ad hoc networks. In this chapter it is shown that the virtual backbone for wireless ad hoc networks can be represented by a connected dominating set. We explained clustering concepts and lastly the difference

between centralized and distributed algorithms are also discussed. The rest of the chapters are organised as follows: next chapter we provide review of prior works. In Chapter 3 and 4, we discuss our new algorithms for constructing small backbones for ad-hoc wireless network. And finally in chapter 6, we conclude with some future works.

Chapter 2

Review of Prior Works

Survey comes hear

2.1 Section name

write ....

2.2 Conclusion

This chapter provided details of the some of the existing distributed algorithms for constructing a CDS in wireless ad-hoc networks. The results of these evaluations are summarized in table **??**. In next chapter, we discuss our distributed Algorithm I, for constructing a small backbone in ad-hoc wireless network.

Chapter 3

Contribution I

give details of your algorithm

3.1 Conclusion

In this chapter, we proposed a distributed algorithm for construction of xyz. The complexity of this algorithm is $O(n \log n)$. Next chapter presents another distributed algorithm which has linear time complexity based on xyz.

Chapter 4

Contribution II

The algorithm presented in previous chapter has $O(n)$ time complexity. We further propose another distributed algorithm in this chapter based on xyz which has linear time complexity.

4.1 Construction

Write ...

4.2 Improved Method

Write...

4.3 Conclusion

In this chapter, we proposed another distributed algorithm for XYZ. This algorithm has both time complexity of $O(n)$ where n is the total number of nodes. In next chapter, we conclude and discuss some of the future aspects.

Chapter 5

Conclusion and Future Work

write results of your thesis and future work.

References