**Project Report**

**Topic: *Breast Cancer Detection using Deep Learning***

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**Acknowledgement**

**Completion of this project has made us grateful to a number of persons. First of all, we are very thankful to Dr. D.K. Bhattacharya Sir for giving us the opportunity to undertake our project under his mentorship. It was a great learning experience for us to have worked at this project with such an amazing mentor. We have learnt a lot and also whenever we needed any suggestions or judgements regarding our ideas, our mentor was always available. In-depth knowledge imparted by him helped us a lot. Giving new opportunities periodically was interesting, it kept us attached to the project. He has directed us in a right direction throughout the project. We would like to thank our mentor again for his valuable suggestions and guidance without which it would quiet difficult for us to complete it successfully. We want to thank all those who helped us and kept us motivated throughout the journey.**

**Preface**

This project report has been prepared in fulfillment of the requirement for the Project for 7th semester B.TECH in Computer Science and Engineering in the academic year 2020. The purpose of this project is to acquaint the students with practical applications of theoretical concepts taught to them. It can help the students to develop their real world problem solving skills.

During our project, we have learned about the various methodologies and technologies used in our project. Information in this report is gathered from different sources like project proposals, online websites etc.

This document gives reader an insight of Image segmentation using deep learning. Also it provides some ideas about different feature extraction technique and algorithms used to classify the images. We have tried our best to eliminate all mistakes and misrepresentation of facts but since it is natural for humans to make mistakes, so we ask your pardon in advance for any such mistake.

Thank You!!

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