ACKNOWLEDGEMENT

We express our gratitude to our guide Prof.F.U.Pathan for his expert guidance,

encouragement and suggestion throughout the preparation of this work. He has been a

pillar of support and inspired us throughout this study, without him this would not have

been possible. We express my heartiest thank to Prof.T.Y.Badgujar (H.O.D.

Mechanical Engineering Dept.) for helping us throughout this work. I also express my

heartiest thank to Dr.S.B.Bagal (Principal, LGNSCOE, Nashik) for helping us

throughout this work.

We are grateful to the teaching faculties of Mechanical Engineering Department for

their valuable suggestions and instructions regarding our work. We have also received

tremendous amount of help from our friends inside and outside the institution.

Mr. Shelar Krishna Damu

Mr. Tivhale Manoj Kisanrao

Mr. Shevate Chandrakant Shivaji

Mr. Pawar Vaibhav Pandharinath

Date:

Place: Nashik