

ACKNOWLEDGEMENT

The satisfaction and euphoria that accompany the successful completion of any task would be incomplete without the mention of people who made it possible, whose consistent guidance and encouragement crowned our effort with success. We consider it is our privilege and duty to express our gratitude and respect to all those who guide us in the completion of this project report.

First and foremost, it's our immense pleasure to thank our beloved guide **Mr. Ravi Y V**, Assistant Professor, Department of Mechanical Engineering, Nagarjuna College of Engineering and Technology, for helping, guiding and strengthening us to complete this project work.

We would like to thank our project coordinator **Mr. Amaresh Gunge**, Assistant Professor, Department of Mechanical Engineering, Nagarjuna College of Engineering and Technology, Bengaluru for his constant support and assistance at every stage.

We would like to express our sincere thanks to **Dr. Yogeesha H C, Head of the Department**, Department of Mechanical Engineering, Nagarjuna College of Engineering and Technology for his valuable suggestions and guidance throughout the period of this project report.

We take this privilege to express our deep gratitude to **Dr. Jitendranath Mungara, Principal**, Nagarjuna College of Engineering and Technology for his constant support and encouragement in preparation of this report and for providing library and laboratory facilities needed to prepare this project report.

Last but not least, we would like to thank our parents, friends, teaching and non-teaching staff of Department of Mechanical Engineering, NCET.

Mr. Yashas G M	1NC18ME047
Mr. Rakesh K S	1NC19ME412
Mr. Sumanth P	1NC18ME039
Mr. Vishnu H S	1NC18ME046