## TITLE OF THE PROJECT

(EX: DESIGN AND ANALYSIS OF MICRO CLASS AIRCRAFT WITH MAXIMUM LIFITING CAPACITY USING TANDEM WING)

A Mini Project Report Submitted
In partial fulfillment of the requirements for the award of the degree of

Bachelor of Technology in Aeronautical Engineering by

XXXXXX	17N31A2109
XXXXXX	17N31A2153
XXXXX	18N35A2106

Under the esteemed guidance of

NAME OF THE GUIDE (Designation)



# **Department of Aeronautical Engineering**

## Malla Reddy College of Engineering & Technology

(Autonomous Institution- UGC, Govt. of India)

(Affiliated to JNTUH, Hyderabad, Approved by AICTE, NBA &NAAC with 'A' Grade)

Maisammaguda, Kompally, Dhulapally, Secunderabad – 500100

website: www.mrcet.ac.in

2017-2021



#### Malla Reddy College of Engineering & Technology

(Autonomous Institution- UGC, Govt. of India)

(Affiliated to JNTUH, Hyderabad, Approved by AICTE, NBA &NAAC with 'A' Grade) Maisammaguda, Kompally, Dhulapally, Secunderabad – 500100

website: www.mrcet.ac.in

### **CERTIFICATE**

This is to certify that this is the bonafide record of the major project entitled "TITLE OF THE PROJECT" submitted by Name of the Student xxxxx (H.T.NO xxxx), of B.Tech in the partial fulfillment of the requirements for the degree of Bachelor of Technology in Aeronautical Engineering, Department of Aeronautical Engineering during theyear 2020-2021. The results embodied in this mini project report have not been submitted to any other university or institute for the award of any degree or diploma.

**Internal Guide** 

**Head of the Department** 

NAME OF THE GUIDE (Designation)

**External Examiner** 



### **DECLARATION**

We hereby declare that the major project titled "DESIGN AND ANALYSIS OF MICRO CLASS AIRCRAFT WITH MAXIMUM LIFITING CAPACITY USING TANDEM WING" submitted to Malla Reddy College of Engineering and Technology (UGC Autonomous), affiliated to Jawaharlal Nehru Technological University Hyderabad (JNTUH) for the award of the degree of Bachelor of Technology in Aeronautical Engineering is a result of original research carried-out in this thesis. It is further declared that the mini project report or any part thereof has not been previously submitted to any University or Institute for the award of degree or diploma.

XXXXX - 17N31A2109 XXXXX - 17N31A2153 XXXXX - 18N35A2106 **ACKNOWLEDGEMENT** 

We feel ourselves honored and privileged to place our warm salutation to our college

Malla Reddy College of Engineering and Technology (UGC-Autonomous), our Director

Dr. VSK Reddy and Principal Dr. S .Srinivasa Rao who gave us the opportunity to have

experience in engineering and profound technical knowledge.

We express our heartiest thanks to our Head of the Department for encouraging us in

every aspect of our project and helping us realize our full potential.

We would like to thank our internal guide (Internal Guide Name) and Project

Coordinators (Names Of Project Coordinators ex:Dr.M.Mohammed Mohaideen and

Dr.Krishna Anand) for their regular guidance and constant encouragement. We are

extremely grateful to their valuable suggestions and unflinching co-operation

throughout project work.

We would like to thank our class in charges (Names Of Class Incharges ex:Mr.

M. Yugender and L. Sushma) who in spite of being busy with their duties took time to

guide and keep us on the correct path.

We would also like to thank all the supporting staff of the Department of ANE and all

other departments who have been helpful directly or indirectly in making our projecta

success.

We are extremely grateful to our parents for their blessings and prayers for the

completion of our project that gave us strength to do our project.

with regards and gratitude

XXXXX

XXXXX

XXXXX

- 17N31A2109

- 17N31A2153

- 18N35A2106

	ABSTRACT	
xxxxxxx		
(Max: 500 Words)		
Key Words:		

#### **LIST OF CONTENTS**

Certificate from MRCET				
Certificate from industry(If any)				
Declaration Acknowledgement				
			Abstract	
List of Figures				
List Of Tables				
List Of Graphs				
List of Abbreviations				
CHAPTER 1: INTRODUCTIO	N	1		
1.1 Introduction	IN.	1		
1.2 Problem statement		4		
1.3 Scope of research		6		
1.4 Research hypothesis	c	8		
1.5 Objectives	5	10		
1.6 Organization of the	report	11		
1.0 Organization of the	report	12		
CHAPTER 2: LITERATURE R	EVIEW	12		
2.1 Background		12		
2.14 Summary of literatu	re review and research gap	71		
CHAPTER 3: METHODOLOG	GY	73		
3.1 Materials		73		
3.10 Summary of method	dology	85		
CHAPTER 4: RESULTS AND	DISCUSSION	87		
4.13 Summary of results	and discussion	163		
		164		
<b>CHAPTER 5: CONCLUSION</b>	AND RECOMMENDATIONS			
5.1 Conclusion		164		
5.2 Recommendations		1		
REFERENCES				
APPENDICES(if any)				

#### **LIST OF FIGURES**

Figure 1.1	120
Figure 1.2	130
Figure 1.3	XXXX

ı	IST	$\triangle$ E	TΛ	DΙ	EC
L	171		IΑ	ĸп	F >

Table 1.1. – XXXX

Table 1.2. – XXXX

	LIST OF GRAPHS
	Fig 1
	Fig — 1 — Fig — 2 -
	Fig — 2 -
,	

