

A dissertation report on

# **“Mechanics of Orbit Using Python(MOPy)”**

Submitted to



In partial fulfilment of the requirements for the award of degree

## **Bachelor of Technology In Aerospace Engineering**

Submitted by:

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Under the guidance of

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**Batch - 2017-21**

**Year - 2021**



**ALLIANCE**  
**UNIVERSITY**

*Private University Estd. in Karnataka State by Act No . 34 of year 2010  
Recognized by the University Grants Commission (UGC), New Delhi*

## **CERTIFICATE**

This is to certify that **Mr. Ramkiran L. (17030141AE007)**, **Mr. Manjunath (17030141AE009)**, **Ms. Monisha Patel A. (17030141AE012)** and **Ms. Thoshitha R. Kumar (17030141AE027)** students of **Aerospace Engineering, Bachelor of Technology 2017-21** batch at **Alliance College of Engineering and Design (ACED), Alliance University, Bengaluru** has completed the project report titled ***“Mechanics of Orbit using Python”*** under my guidance in partial fulfillment for the award of Bachelor of Technology degree in Aerospace Engineering, Alliance University, Bangalore during the year 2020-2021.

**Dr. Gisa G.S**

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## **External Viva**

**Name of Examiners**

**Signature with date**

- 1.
- 2.

# DECLARATION

We, Ramkiran L, Manjunath, Monisha Patel A, Thoshitha R. Kumar students of 8<sup>th</sup> Semester Bachelor of Technology in Aerospace Engineering, Alliance College of Engineering and Design (ACED), Alliance University, Bengaluru, hereby declare that the entire project work entitled “**Mechanics of Orbit using Python**” is an authentic record of the work that has been carried out independently by us during final year of our B.Tech at ACED, under the esteemed guidance **Dr. Gisa G.S**, Assistant Professor, Department of Aerospace Engineering, Alliance college of Engineering and Design, Alliance University.

This project report is submitted in partial fulfillment of requirements for the award of the degree of Bachelor of Technology in Aerospace Engineering. The results embodied in this dissertation are original and it has not been submitted in part or full for any degree in any University.

**Place:** Bengaluru

**Date:**17/062021

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We would also like to thank our college staff members and well-wishers who directly or indirectly helped, motivated to complete this project successfully.

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