

# Certificate

This is to certify that Ms. Sheth Dhvani Umesh (Reg. No.: FOS/2139, Date: 01-02-2019) has worked under my guidance to prepare the thesis entitled **A Study of Circular and Elliptical Restricted Three Body Problems with Perturbations** which is being submitted herewith towards the requirement for the degree of Doctor of Philosophy in Mathematics. This thesis contains the original research work carried out by her.



*Dr. V. O. Thomas,*  
Professor  
Department of Mathematics  
Faculty of Science  
The M.S. University of Baroda  
Vadodara-390 002



*Prof. R. G. Vyas*  
Head  
Department of Mathematics  
Faculty of Science,  
The M.S. University of Baroda  
Vadodara.-390 002



*Prof. H. R. Kataria*  
Dean  
Faculty of Science,  
The M.S. University of Baroda  
Vadodara.

Vadodara  
July 2023