

DECLARATION

I, **Mahak Bhatia**, certify that the work embodied in this Ph. D. thesis is my own work carried out by for a period of **2018-2021** from **2018** to **2021** at **School of General Education (Mathematics)** of **Bhartiya Skill Development University**. The matter embodied in this Ph. D. thesis has not been submitted for the award of any other degree/diploma. I declare that I have faithfully acknowledged, given credit to and referred to the research workers wherever their works have been cited in the text and the body of the thesis. I further certify that I have not wilfully lifted up some other's work, para, text, data, results, etc. reported in the journals, books, magazines, reports, dissertations, theses, etc., or available at web-sites and included them in this Ph. D. thesis and cited as my own work.

Date: 11-01-2021

Signature: Mahak Bhatia

Name of candidate: Mahak Bhatia

Place: Jaipur

Certificate from the Supervisor

This is to certify that the above statement made by the candidate is correct to the best of my knowledge. The research work embodied in the thesis was carried out under my supervision and that the candidate has worked under me for the period required under the regulations.


Supervisor's Signature:

Name: Prof. Anil Rana

Designation: COE and Dean Academics