

The Birla Institute of Technology & Science

Upon the Recommendation of the Senate hereby confers on

Fernandes Jessica

The Degree of

Doctor of Philosophy

having been found duly qualified. The thesis presented for the Degree was entitled "*Studies in Graceful Labelings of Graphs and its Variations*".

Given this twentieth day of March, two thousand seventeen under the Seal of the Birla Institute of Technology & Science at Pilani in the State of Rajasthan, India.


DIRECTOR


REGISTRAR




CHANCELLOR


VICE-CHANCELLOR

