

VISVESVARAYA TECHNOLOGICAL UNIVERSITY, BELAGAVI  
KARNATAKA, INDIA



*This is to certify that*

**G KALPANA**

*has been conferred the Degree of*

**Doctor of Philosophy**

*in*

*Faculty of Applied Sciences (Mathematics)*

*for the thesis entitled*

*Investigation of Heat Transfer on Dusty Fluid Flows*

*in recognition of the fulfillment of requirements  
for the said degree*

PH  
19 000606

Given under the seal of the University

USN: 1EW13PGN02



BELAGAVI

DATE : Feb 08, 2020

VICE CHANCELLOR