



INDIAN INSTITUTE OF TECHNOLOGY KHARAGPUR

upon the recommendation of the Senate hereby confers the degree of

Doctor of Philosophy

on

Sayantana Sengupta

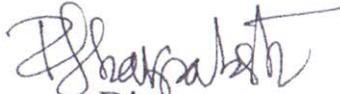
in recognition of the research work on

Fluid Mechanics and Performance Optimization of Tesla Disc Turbines

Given under the seal of the Institute at Kharagpur on the Sixth day of August, Two Thousand and Seventeen


Registrar




Director

Sayantana Sengupta