



National Institute of Technology  
Durgapur, India

*Chandan Chattoraj*  
having submitted a thesis entitled  
*Dynamic Response of Rotor System at Subcritical  
and Supercritical states*  
in the

Department of Mechanical Engineering  
and having satisfied all the conditions prescribed in this respect  
The Board of Governors of the Institute upon the  
recommendation of the Senate duly admits  
the degree of

*Doctor of Philosophy*  
(Engineering)

under the seal of the Institute given at Durgapur on this  
Eighteenth day of September Two thousand and Ten

Chairman  
Board of Governors

R. Bhattacharya  
Chairman  
Senate