

# National Institute of Technology



Durgapur, India

*The Board of Governors of the Institute upon the recommendation of the Senate hereby confers the degree of*

*Doctor of Philosophy*  
*Department of Electrical Engineering*

*on*

*Santigopal Pain*

*who submitted a thesis entitled*

*PID Controller Tuning of Load Frequency Control System Using Soft Computing Techniques*

*and successfully completed the requirement as prescribed under the regulations on 16.02.2018*



*[Signature]*

*Chairman  
Senate and  
Board of Governors*