

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 Electronics & Communication Engineering
on*

Arunava De

who submitted a thesis entitled

DEVELOPMENT OF SUITABLE TECHNIQUES FOR IMAGE
REGISTRATION, SEGMENTATION,

DE -- NOISING AND TRANSMISSION FOR DISEASED MRI IMAGES

*and successfully completed the requirements as prescribed
under the regulations on May 29, 2013*

Chairman
Senate

Chairman
Board of Governors

May 31, 2013

TO WHOM IT MAY CONCERN

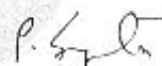
This is to certify that Arunava De has successfully completed all prescribed requirements of the Institute for the degree of **Doctor of Philosophy, Department of Electronics & Communication Engineering.**

The date of viva voce : **May 29, 2013**

Title of the PhD thesis: "Development of Suitable Techniques for Image Registration, Segmentation, De - Noising and Transmission for Diseased MRI Images"

Department: **Electronics & Communication Engineering**

Registration No: **NITD/Ph.D/ECE/2010/00244**



Dean, Research & Consultancy

Dean, Research & Consultancy
National Institute of Technology
Durgapur - 713209, INDIA

Note: Validity of this certificate will expire on the award of the degree in the next convocation.