

# SCHOOL OF MATERIALS SCIENCE AND TECHNOLOGY INDIAN INSTITUTE OF TECHNOLOGY (BANARAS HINDU UNIVERSITY) VARANASI-221005, INDIA

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It is certified that the above statement made by the student is correct to the best of my

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**Supervisor** 

**Prof. Pralay Maiti** 

School of Materials Science & Technology,

IIT (BHU), Varanasi

Signature of Head of Department/Coordinator of School

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Arun Kumar Mahanta

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# DEDICATED TO MY BELOVED WIFE

