

**Thermo-mechanical Properties of Polymer CNT
Composites: Experimental and Multi-scale Modelling
Approach**

A thesis

Submitted by

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(D16053)

In fulfilment of the requirement for the degree of

Doctor of Philosophy

Under the guidance of

Dr. Himanshu Pathak

(School of Engineering)



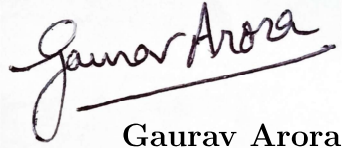
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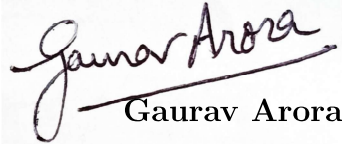


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This is to certify that the thesis entitled “**Thermo-mechanical Properties of Polymer CNT Composites: Experimental and Multi-scale Modelling Approach**”, submitted by me to the **Indian Institute of Technology Mandi** for the award of the **Degree of Doctor of Philosophy** is a bonafide record of research work carried out by me under the supervision of **Dr. Himanshu Pathak**. The content of this thesis, in full or in parts, have not been submitted to any other institute or university for the award of any degree or diploma.



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In keeping with the general practice of reporting scientific observation, due acknowledgements have been made wherever the work described is based on the findings of other investigators.



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