

**SYNTHESIS OF Bi₂Te₃ NANOCOMPOSITES REINFORCED WITH
MWCNTs**

Thesis Submitted in partial fulfillment of the requirements for the degree

Of

MASTER OF TECHNOLOGY

In

NANO SCIENCE & TECHNOLOGY

Submitted by

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JULY (2015)



CERTIFICATE

This is to certify that project work entitled “**Synthesis of Bi_2Te_3 Nanocomposites reinforced with MWCNTs**” is an authentic record of the work carried out by **Hemendra Nath Jaiswal** (Roll No – 2K13/NST/11) in partial fulfillment of the requirement for the award of the degree of **MASTER OF TECHNOLOGY (Nano Science and Technology), Delhi Technological University, Delhi** under my guidance and supervision. All research work has been carried out at Electron and Ion Microscopy Section of CSIR-NPL, New Delhi.

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CERTIFICATE

This is to certify that Hemendra Nath Jaiswal, M.Tech (Nano Science and Technology) student of Delhi Technological University, Delhi has completed the dissertation entitled “**Synthesis of Bi₂Te₃ Nanocomposites reinforced with MWCNTs** ” under the supervision of **Dr. Sukhvir Singh**, Sr. Principal Scientist & Head, Electron and Ion Microscopy Section at CSIR-NPL, New Delhi. The above said project has been carried out during the period of January 2015 to June 2015.

During the tenure of his project training he displayed high professionalism and discipline towards his job. He has shown full dedication and commitment during his training.

I wish him all the best in his future endeavors.

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DECLARATION

I hereby declare that this project report entitled “**Synthesis of Bi₂Te₃ Nanocomposites reinforced with MWCNTs**” is an authentic report of the work done by me under the guidance of **Dr. Amrish K. Panwar (Internal Supervisor)**, Assistant Professor, Delhi Technological University, Delhi and **Dr. Sukhvir Singh (External Supervisor)**, Sr. Principal Scientist and Head, Electron and Ion Microscopy Section, CSIR-National Physical Laboratory, New Delhi. It is an original and independent work and I hereby declare that it has not previously formed the basis for the award of any other degree, diploma, etc. of any university or institution.

Hemendra Nath Jaiswal

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