



**DEPARTMENT OF PHYSICS
INDIAN INSTITUTE OF TECHNOLOGY
(BANARAS HINDU UNIVERSITY)
VARANASI- 221005, INDIA**

Dated:14/03/2015

UNDERTAKING

I hereby declare that I have completed the research work for the full time period prescribed under the clause VIII.1 of the Ph. D. ordinances of the INDIAN INSTITUTE OF TECHNOLOGY (Banaras Hindu University), Varanasi and that the research work embodied in this thesis entitled **“Physical Properties of Spinel Vanadates and Related Materials”** is my own work.

(Prashant Shahi)



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**COURSE WORK/COMPREHENSIVE EXAMINATION
COMPLETION CERTIFICATE**

This is to certify that Mr. Prashant Shahi, a bonafide research scholar of this department, has satisfactorily completed the course work/comprehensive examination requirement, which is a part of his Ph. D. programme.

Date: March 14, 2015

Place: Varanasi

(Dr. D. Giri)

Head of the Department



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PRE-SUBMISSION SEMINAR CERTIFICATE

This is to certify that Prashant Shahi, a bonafide research scholar of this department, has successfully completed the pre-submission seminar requirement which is a part of his Ph. D. programme, on his thesis entitled, **“Physical Properties of Spinel Vanadates and Related Materials”**.

Date:14/03/2015

Place: Varanasi

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Title of the Thesis: “Physical Properties of Spinel Vanadates and Related Materials”.

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