

Undertaking from the Candidate

I, Bheeshma Pratap Singh, research scholar under the supervision of Dr. Prabhakar Singh, Department of Physics, IIT (BHU) Varanasi give undertaking that the thesis entitled "Structural and Optical Properties of Lanthanide doped Nanophosphors" submitted by me for the degree of Doctor of Philosophy is a record of first-hand research work carried out by me during the period of study.

I avail myself to responsibility such as an act will be taken on the behalf of me, mistakes, errors of facts, and misinterpretation are of course entirely my own.

Date:

Place: Varanasi

(Bheeshma Pratap Singh)



Ph. No: +91-542-6702006,

Fax: +91-542-2368428,

E-mail: head.app@itbhu.ac.in

COURSE WORK / COMPREHENSIVE EXAMINATION COMPLETION CERTIFICATE

This is to certify that Mr. Bheeshma Pratap Singh a bonafide research scholar of Department of Physics, Indian Institute of Technology (Banaras Hindu University), Varanasi has successfully completed the course work examination requirement which is a part of his Ph.D. programme.

Date:

Place: Varanasi

(Head)
Department of Physics
Indian Institute of Technology
(Banaras Hindu University)
Varanasi-221005



Department of Physics



Ph. No: +91-542-6702006,

Fax: +91-542-2368428,

E-mail: head.app@itbhu.ac.in

PH.D. PRE-SUBMISSION SEMINAR CERTIFICATE

This is to certify that Mr. Bheeshma Pratap Singh, a bonafide research scholar of Department of Physics, Indian Institute of Technology (Banaras Hindu University), Varanasi has successfully presented/completed the pre-submission seminar on the thesis entitled "Structural and optical properties of Lanthanide doped nanophosphors" dated 09.08.2014, which is an essential part of his Ph.D. programme.

Date:

Place: Varanasi

(Head)

*Department of Physics
Indian Institute of Technology
(Banaras Hindu University)
Varanasi-221005*

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Title of the Thesis: Structural and Optical Properties of Lanthanide doped Nanophosphors

Candidate's Name: Bheeshma Pratap Singh

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