

## **COPYRIGHT TRANSFER CERTIFICATE**

Title of the Thesis: **Structure, Magnetic and Transport Properties of Nanostructured  $Ti_{1-x}Co_xO_{2-\delta}$ : Effect of Ion Irradiation**

Candidate's Name: **Pankaj Mohanty**

### **Copyright Transfer**

The undersigned hereby assigns to the Indian Institute of Technology, Banaras Hindu University all rights under copyright that may exist in and for the above thesis submitted for the award of the Ph. D. degree.

(Pankaj Mohanty)

**Note:** However, the author may reproduce or authorize others to reproduce materials extracted verbatim from the thesis or derivative of the thesis for author's personal use provided that the source and the Institute's copyright notice are indicated.

## UNDERTAKING FROM THE CANDIDATE

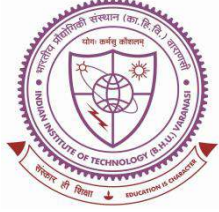
I, **Pankaj Mohanty**, research scholar under supervision of **Dr. (Mrs.) Chandana Rath**, Assistant Professor, School of Materials Science and Technology, Indian Institute of Technology (Banaras Hindu University) gives undertaking that the thesis entitled “**Structure, Magnetic and Transport Properties of Nanostructured  $Ti_{1-x}Co_xO_{2-\delta}$ : Effect of Ion Irradiation**” submitted by me for the degree of **Doctor of Philosophy** is a record of first-hand research work done by me during the period of study.

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

Date.....

Place: Varanasi

(Pankaj Mohanty)



**COURSE WORK/ COMPREHENSIVE EXAMINATION**  
**COMPLETION CERTIFICATE**

This is to certify that **Shri Pankaj Mohanty**, a bonafide research scholar of this school, has successfully completed the course work/comprehensive examination requirement which is a part of his Ph. D. programme.

Date.....

Place: Varanasi

Coordinator of the School



पदार्थ विज्ञान एवं प्रौद्योगिकी स्कूल  
SCHOOL OF MATERIALS SCIENCE AND TECHNOLOGY  
भारतीय प्रौद्योगिकी संस्थान  
काशी हिन्दू विश्वविद्यालय  
वाराणसी-221005, भारत

**IIT**  
Serving the nation since 1919

**INDIAN INSTITUTE OF TECHNOLOGY**  
BANARAS HINDU UNIVERSITY  
VARANASI-221005,

---

Tel.:+91-542-6702741; दूरभाष संख्या:+९१-५४२-६७०२७४१ Fax:+91-542-2368428, फैक्स संख्या.:९१-५४२ -२३६८४२८E-mail: coordinator.mst@iitbhu.ac.in

---

## **PRE-SUBMISSION SEMINAR COMPLETION CERTIFICATE**

This is to certify that **Shri Pankaj Mohanty**, a bonafide research scholar of this school, has successfully completed the pre-submission seminar requirement which is a part of his Ph. D. programme.

Date.....  
Place: Varanasi

Coordinator of the School