UNDERTAKING FROM THE CANDIDATE

I, Anshuman Srivastava, certify that the present work embodied in this Ph. D. thesis is my own bonafide work carried out by me under the supervision of Prof. Om Parkash and co-supervision of Prof. Devendra Kumar (Department of Ceramic Engineering, IIT (BHU), Varanasi, India for a period of 4 years and 6 months from Jan 2011 to June 2015 in the Department of Ceramic Engineering, Indian Institute of Technology (Banaras Hindu University). The contents included in this Ph. D. thesis have not been submitted for the award of any other degree.

Date: (Anshuman Srivastava)
Place: Varanasi

सिरामिक अभियांत्रिकी विभाग
भारतीय प्रौद्योगिकी संस्थान
(काशी हिन्दू विश्वविद्यालय)
वाराणसी–२२१००५(उ0प्र0) भारत

DEPARTMENT OF CERAMIC ENGINEERING
INDIAN INSTITUTE OF TECHNOLOGY
(BANARAS HINDU UNIVERSITY)
Varanasi-221005 (U.P.) INDIA

Phone: 0542-6702890 (Head), 6701783 (Off.)	Fax: 0542:2368428	e-mail: head.cer@itbhu.ac.in
Phone: 09415994739 (Mo.)		e-mail: rpyare.cer@itbhu.ac.in

ANNEXURE F

COURSE WORK/ COMPREHENSIVE EXAMINATION COMPLETION CERTIFICATE

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

Date: (Head of the Department)
Place: Varanasi

सिरामिक अभियांत्रिकी विभाग
भारतीय प्रौद्योगिकी संस्थान
(काशी हिन्दू विश्वविद्यालय)
वाराणसी–२२१००५(उ0प्र0) भारत

DEPARTMENT OF CERAMIC ENGINEERING
INDIAN INSTITUTE OF TECHNOLOGY
(BANARAS HINDU UNIVERSITY)
Varanasi-221005 (U.P.) INDIA

Phone: 0542-6702890 (Head), 6701783 (Off.) Fax: 0542:2368428 e-mail: head.cer@itbhu.ac.in
Phone: 09648084888 (Mo.) e-mail: rpyare.cer@itbhu.ac.in

ANNEXURE F

Pre Ph.D. SEMINAR COMPLETION CERTIFICATE

This is to certify that **Mr. Anshuman Srivastava,** Ph. D. scholar of the Department (Enrollment No. 330329) has delivered his Pre Ph.D. seminar on **07th February, 2015** on the topic **"Dielectric and Mechanical properties of $CaCu_3Ti_4O_{12}$ and La, Nb, Sn and Zr doped $CaCu_3Ti_4O_{12}$ / Poly(vinylidene fluoride) Composites"** in the Computer Room of the Department to the satisfaction of DPGC, DRC and RPC members.

Date: (Head of the Department)
Place: Varanasi

ANNEXURE G

COPYRIGHT TRANSFER CERTIFICATE

Title of the Thesis: Dielectric and Mechanical Properties of $CaCu_3Ti_4O_{12}$ and La, Nb, Sn and Zr doped $CaCu_3Ti_4O_{12}$ / Poly(vinylidene fluoride) Composites

Candidate's Name: Anshuman Srivastava

COPYRIGHT TRANSFER

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

(Signature of the Candidate)

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.