

UNDERTAKING FROM THE CANDIDATE

I, Shreevats, 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. Devendra Kumar and co-supervision of Prof. Om Parkash (Department of Ceramic Engineering, IIT(BHU) 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:

Place: Varanasi

(Shreevats)



सिरामिक अभियांत्रिकी विभाग
भारतीय प्रौद्योगिकी संस्थान
काशी हिन्दू विश्वविद्यालय
वाराणसी-221005(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: 09335411705 (Mobile)		e-mail: devendra.cer@itbhu.ac.in

ANNEXURE F

COURSE WORK/ COMPREHENSIVE EXAMINATION COMPLETION CERTIFICATE

This is to certify that Mr.Shreevats, 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:

Place: Varanasi

(Head of the Department)



सिरामिक अभियांत्रिकी विभाग
भारतीय प्रौद्योगिकी संस्थान
;काशी हिन्दू विश्वविद्यालयद्व
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Phone: 09335411705 (Mobile)		e-mail: devendra.cer@itbhu.ac.in

ANNEXURE F

Pre Ph.D. SEMINAR COMPLETION CERTIFICATE

This is to certify that **Mr. Shreevats**, Ph. D. scholar of the Department (Enrollment No. 305592) has delivered his PrePh.D. seminar on **16thJune, 2016** on the topic **“Electrical and structural investigations on liquid phase sintered ZnO-V₂O₅ varistor ceramics doped with MnO, Nb₂O₅, Cr₂O₃ and ZrO₂”** in the Computer Room of the Department to the satisfaction of DPGC,DRC and RPC members.

(Head of the Department)

ANNEXURE G

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Title of the Thesis: Electrical and structural investigations on liquid phase sintered ZnO-V₂O₅ varistor ceramics doped with MnO, Nb₂O₅, Cr₂O₃ and ZrO₂

Candidate's Name: Shreevats

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