



**SCHOOL OF BIOCHEMICAL ENGINEERING
INDIAN INSTITUTE OF TECHNOLOGY
(BANARAS HINDU UNIVERSITY)
VARANASI – 221005, U.P.
INDIA**

Date: 10/06/2017

CERTIFICATE

This is to certify that **Mr. Shiv Kumar Verma** has completed his research work on topic **“Production isolation and characterization of bioactive metabolites from endophytic fungus** under my supervision and guidance, for the full period prescribed in the ordinance of this University for the said degree. The work was actually carried out by the candidate and the findings have been incorporated in this thesis. He has worked diligently, meticulously and methodically.

I am satisfied with the work and pleased to forward his thesis for the award of DOCTOR OF PHILOSOPHY in BIOCHEMICAL ENGINEERING of the Indian Institute of Technology (Banaras Hindu University), Varanasi. I wish his all the success in his future endeavors.

Prof. (Dr.) Subir Kundu
Supervisor

Coordinator
School of Biochemical Engineering
IIT (BHU), Varanasi.