

# University of Delhi



## DOCTOR OF PHILOSOPHY

This is to certify that Pram Vir Singh  
after approval of his/her thesis on "Growth and Characterization  
of III-V Compounds and Alloys Epitaxial Layers on Ge and Ga  
As Substrates by MOCVD Technique Suitable for Optoelectronic  
Devices"  
in March, 2007, has been admitted to the  
degree of Doctor of Philosophy in this University  
at the Convocation held in 2008.



Arjun  
Registrar,  
University of Delhi

Delhi, dated the 23rd February, 2008

D Pant  
Vice-Chancellor,  
University of Delhi