

**BIRLA INSTITUTE OF TECHNOLOGY AND SCIENCE  
PILANI (RAJASTHAN)**

**CERTIFICATE**

This is to certify that the thesis entitled “**Organocatalytic Approach towards the Synthesis of Some Nitrogen-Containing Heterocycles**” and submitted by **Mr. Sachin Choudhary** ID No **2012PHXF0427P** for the award of Ph.D. Degree of the Institute embodies the original work done by him under my supervision.

Signature in full of the Supervisor:

Name: **DR. INDRESH KUMAR**

Designation: **Associate Professor**

Date: **29/4/2019**