

BIRLA INSTITUTE OF TECHNOLOGY & SCIENCE PILANI - 333031 (RAJASTHAN) INDIA

CERTIFICATE

This is to certify that the thesis entitled "Some Investigations on Vision Based Detection and Tracking of Mobile Robot during Navigation in Structured Environment" submitted by SANGRAM KESHARI DAS, ID.No: 2012PHXF0402P for award of Ph.D. of the Institute embodies original work done by him under my supervision.

Signature of the Supervisor:

Name in Capital Letters : **PROF. BIJAY KUMAR ROUT**

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Date: