

# **Inventory Modelling and Optimization for High Technology Products with Successive Generations**

**THESIS**

Submitted in partial fulfilment  
of the requirements for the degree of  
**DOCTOR OF PHILOSOPHY**

By

**GAURAV NAGPAL**

Under the Supervision of  
**Prof. UDAYAN CHANDA**



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

**2021**