

**Statistical Method Based Membership Function Optimization
for Fuzzy Logic Controller**

By

ARPIT JAIN

(Sap id- 500020516)

SCHOOL OF ENGINEERING

**DEPARTMENT OF ELECTRONICS, INSTRUMENTATION
& CONTROL ENGINEERING**

Submitted

**IN PARTIAL FULFILLMENT OF THE REQUIREMENT OF
THE DEGREE OF DOCTOR OF PHILOSOPHY**

TO



UNIVERSITY OF PETROLEUM AND ENERGY STUDIES

DEHRADUN

February, 2018

Under the Guidance of

Dr. Piyush Kuchhal

Professor

UPES, Dehradun, India

Dr. Satya Sheel

Formerly Professor

NIT Allahabad