

CERTIFICATE

It is certified that the work contained in the thesis titled “**DESIGN OF FRACTIONAL ORDER PID CONTROLLER AND THEIR PARAMETER OPTIMIZATION**” by “**SANTOSH KUMAR VERMA**” has been carried out under my supervision and this work has not been submitted elsewhere for a degree.

It is further certified that the student has fulfilled all the requirements of Comprehensive, Candidacy and SOTA for the award of Ph.D. Degree.

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