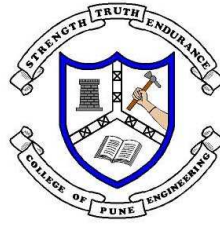


CERTIFICATE



This is to certify that the thesis, entitled “**Control of Flexible Link Manipulator using Sliding Modes**” submitted by **Mrs. Amruta Mujumdar (MIS No.131105003)**, in partial fulfillment of requirement for the award of the Doctor of Philosophy with specialization in Electrical Engineering at College of Engineering, Pune, affiliated to Savitribai Phule Pune University is a bonafide record of the research work carried out by her under the supervision and guidance of Dr.(Mrs) S.R.Kurode. The results presented in this thesis have not been submitted to any other University or Institute for the award of any degree or diploma.

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