



## CERTIFICATE

*This is to certify that the thesis entitled "CERTAIN OPTIMIZATION ASPECTS OF RADIAL DISTRIBUTION SYSTEMS" is being submitted by S.SIVANAGARAJU to Jawaharlal Nehru Technological University, Hyderabad, for the award of the degree of Doctor of Philosophy in Electrical Engineering. This is a record of bonafide research work carried out by him. He has worked under our guidance and has fulfilled the requirements for the submission of this thesis, which has attained the standard required for a Ph.D. Degree of the University. The results in this thesis have not been submitted elsewhere for the award of any degree or diploma.*

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