ASSESSMENT OF MORPHOLOGY DEVELOPMENT AND STRUCTURE-PROPERTY CORRELATIONS IN POLYPROPYLENE/CLAY NANOCOMPOSITES

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by

SAIKAT BANERJEE

Centre for Polymer Science and Engineering

Submitted

in fulfillment of the requirements of the degree of Doctor of Philosophy

to the

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Dedicated To My

Grand Parents,

Parents & Wife

CERTIFICATE

*This is to certify that the thesis entitled, "**Assessment of Morphology Development and Structure-Property Correlation in Polypropylene/Clay Nanocomposites**" submitted by **Mr. Saikat Banerjee** to the Indian Institute of Technology Delhi, for the fulfillment of award of the degree, Doctor of Philosophy, is a record of bonafide research work carried out by him under our supervision and guidance. This thesis has been prepared in conformity with the rules and regulations of the Indian Institute of Technology Delhi, New Delhi.*

The thesis, in our opinion, is worthy of consideration for award of the degree of Doctor of Philosophy in accordance with the regulations of the Institute. To the best of our knowledge, the results embodied in the thesis have not been submitted to any other University or Institute for the award of any other Degree or Diploma.

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