# OF PROPAGATION CONSTANTS AND MODAL FUNCTIONS IN STEP INDEX AND GRADED INDEX SINGLE MODE FIBERS USING MATLAB

A Project Report submitted in partial fulfillment of the requirement for the Degree of Master of Science in Electronics of the Vidyasagar University.

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### Project guide:

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## **CERTIFICATE**

This is to certify that SRI TILAK NARAYAN GHOSH has carried out his investigation entitled "CALCULATION OF PROPAGATION CONSTANTS AND MODAL FUNCTIONS IN STEP INDEX AND GRADED INDEX SINGLE MODE FIBERS USING MATLAB" during the period from January 2009 to May 2009 under my supervision in partial fulfillment of the requirement for the degree of MASTER OF SCIENCE in ELECTRONICS in VIDYASAGAR UNIVERSITY. During this investigation, he has learned Computer Programming in 'MATLAB' involving numerical algorithm and applied them in his work.

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