

## ACKNOWLEDGEMENT

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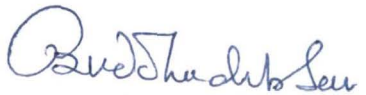
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# TO WHOM IT MAY CONCERN

This is to certify that the master thesis entitled "*Insights of Swarm Robotics*" submitted by Angshuman Datta, Tezpur University, as a partial requirement for the Master of Computer Application, is an authentic work carried out by him under my supervision and guidance.

To the best of my knowledge, the matter embodied in the report has not been submitted to any other University/Institute during any internship period.

Date : May 06, 2016



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**CERTIFICATE**

This is certify that the work presented in the report entitled "*Insights of swarm robotics*" submitted in partial fulfillment of the major project of 6<sup>th</sup> semester of Master of Computer Application (MCA), was carried out by Angshuman Datta under my supervision.

Date: 26.05.2014

Place: Tezpur

A handwritten signature in blue ink, appearing to read 'Ar. Karmakar'.

Signature of internal guide  
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**Certificate of Affiliation and Authentication**

This is to certify that the master thesis entitled "*Insights of Swarm Robotics*" prepared by Angshuman Datta (Roll No.- CSM11027) Department of Computer Science and Engineering, Tezpur University, Tezpur, India, as a partial requirement of Master of Computer Application, is a work completely carried out by him at the Department of Mathematics, Jadavpur University, Kolkata, India during January-May,2014 under the supervision and guidance of Dr. Buddhadeb Sau, an Associate Professor of the department.

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This is certify that the work presented in the report entitled "*Insights of swarm robotics*" submitted by Angshuman Datta (CSM11027) in partial fulfillment of requirements for the Degree of Master of Computer Application (MCA) under the guidance of Buddhadeb Sau of Jadavpur University and Dr. Arindam Karmakar of Tezpur University has been examined.

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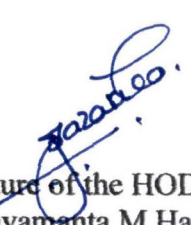
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