Tezpur University

Certificate

This is to certify that the thesis entitled *Qualitative and Geometric Reasoning within a Graph-based Representation for Human Activity Recognition* submitted to Tezpur University in the Department of Computer Science and Engineering under the School of Engineering in partial fulfillment of the requirements for the award of the degree of Doctor of Philosophy in Computer Science is a record of research work carried out by Ms. Shobhanjana Kalita under our personal supervision and guidance.

All help received by her from various sources have been duly acknowledged.

No part of this thesis has been reproduced elsewhere for award of any other degree.

Signature of Supervisor

(Shyamanta M. Hazarika)
Designation: Professor
School: Engineering
Department: Computer Science and Engineering

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Signature of Co-Supervisor

(Arindam Karmakar)

Designation: Assistant Professor

School: Engineering

Department: Computer Science and Engineering

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The Committee recommends for award of the degree of Doctor of Philosophy.

Signature of
Principal Supervisor

Signature of
External Examiner

Date:

Date: