



School of Computer Engineering
KIIT University, Bhubaneswar-751024,
Odisha, India, www.kiit.ac.in

CERTIFICATE

This is to certify that the thesis entitled “**Fuzzy Based Multi-criteria Decision-making under Uncertainty**” submitted by Chinmaya Ranjan Pattanaik, bearing Roll No. 681004 and Registration No. 6140608131 in partial fulfillment of the requirement for the award of the degree of Doctor of Philosophy in Computer Science & Engineering of KIIT University, Bhubaneswar, Odisha, India, is a bonafide record of original research work carried out by him under our guidance and supervision. This work has not been submitted elsewhere for the same purpose.

Dr. Santosh Kumar Swain

Associate Professor,

School of Computer Engg.,

KIIT University, Bhubaneswar.

Dr. Sachi Nandan Mohanty

Assistant Professor

School of Computer Engineering

KIIT University, Bhubaneswar, Odisha

DECLARATION

I hereby certify that the work presented in this thesis entitled “**Fuzzy Based Multi-criteria Decision-making under Uncertainty**” in fulfilment of the requirements for the award of the degree of Doctor of Philosophy in Computer Science & Engineering and submitted to KIIT University, Bhubaneswar is an authentic record of my own work carried out during the period from September 2011 to August 2016, under the supervision of Dr. Santosh Kumar Swain and Dr. Sachi Nandan Mohanty.

The matter embodied in this thesis has not been submitted by me for the award of any other degree of this or any other University/Institute.

(Chinmaya Ranjan Pattnaik)

This is to certify that the above statement made by the scholar is correct to the best of our knowledge.

Dr. Santosh Kumar Swain

Dr. Sachi Nandan Mohanty

The Ph. D Viva-voce examination of Chinmaya Pattnaik, Research Scholar, has been held on and is recommended for award of the Ph. D Degree.

Sign of Supervisor

Sign of Supervisor

Sign of External Examiner