

INVERTIS UNIVERSITY BAREILLY

बरेली, उत्तर प्रदेश, भारत

रतनेश मिश्रा

को एतद्द्वारा

विद्या वाचस्पति

की उपाधि प्रदान करता है।

विद्या-परिषद् की अनुशंसा पर यह उपाधि,

अवाप्ति हेतु विनियमों में विहित अपेक्षाओं को पूर्ण कर लेने पर

तथा जुलाई 2019 में अपने शोध-प्रबंध

“डेवलपमेंट ऑफ एडवांस्ड सफर अल्गोरिथ्मस फॉर ऑप्टिमाइजेशन
ऑफ एनर्जी कोन्सुम्प्शन इन सिक्योर कम्मुनिकेशन”

के सफल पक्षपोषण के उपरांत

आज 01 जनवरी, 2021 को दी गई है।

INVERTIS UNIVERSITY

BAREILLY UTTAR PRADESH, INDIA

*Upon the recommendation of the Academic Council,
the University hereby confers the degree of*

Doctor of Philosophy

Upon

Ratnesh Mishra

*who has fulfilled the requirements for the degree as prescribed under the regulations
and successfully defended in July 2019, the thesis entitled :*

**“Development of Advanced Cipher Algorithms for Optimization
of Energy Consumption in Secure Communication”**

Given this day, on January 1, 2021.

PHOTO COPY

Registrar
Invertis University
Bareilly

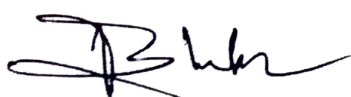


कुलाधिपति
VICE-CHANCELLOR

कुलाधिपति
CHANCELLOR

Certificate of the Supervisors

This is to certify that the thesis entitled "Development of Advanced Cipher Algorithms for Optimization of Energy Consumption in Secure Communications ", submitted by Mr. Ratnesh Mishra is a record of the authentic work carried out by him under our supervision. The matter embodied in this thesis is the original work of the candidate and has not been submitted for the award of any other degree or diploma.



Prof. R.K. Shukla
(Supervisor)
Dean Engg. & Tech
Invertis University,
Bareilly, India

Dean Academics
J.K. Institute of Engineering & Technology
INVERTIS UNIVERSITY
BAREILLY-243123



Dr. Ravi S. Shukla
(Co-supervisor)
Department of CS
Saudi Electronic University,
KSA



Prof. R. R. Tewari
(Co-supervisor)
Department of CSE
J. K. Institute of Technology,
University of Allahabad, India

July 2020



Registrar
Invertis University
Bareilly

JULY 30, 2020

INVERTIS UNIVERSITY, BAREILLY
Report of Ph.D. Thesis Viva Voce Examination

Student ID: PHE2017001

Name of the Candidate: RATNESH MISHRA

Topic: DEVELOPMENT OF ADVANCED CIPHER ALGORITHMS FOR OPTIMIZATION OF ENERGY CONSUMPTION IN SECURE COMMUNICATIONS.

Modified Topic (if any):

N.A.

Name of Department: COMPUTER SCIENCES & ENGINEERING

Supervisor: Prof. R K Shukla

Date of Registration/URDC: 22.07.2017

Co-supervisor: Dr. R S Shukla

Enrolment No. 161590

Report of the Oral Board

Comments:

The candidate has satisfactorily defended all questions raised on his thesis. The comments pointed by the other thesis evaluators are also covered & answered by the candidate. Therefore candidate is recommended for the award of Ph.D. Degree in C.

(Use separate sheet if required)

The Candidate has ~~TO RE-APPEAR~~ ~~FAILED~~ PASSED
Viva Voce Examination Committee

1. Prof. Y D S Arya Chairman
2. Dr. Ashutosh Kr. Bhatt External Examiner
3. Prof. R K Shukla Dean & Supervisor
4. Dr. Chandan Kumar Member
5. Dr. Rahul Rastogi Head, CS & E

PASSED
[Signature] 30.7.2020
[Signature]
[Signature] 30/7/2020
[Signature] 31/07/2020

Ph.D. Coordinator [Signature]

[Signature] 30.7.2020
Approved by Vice Chancellor
Invertis University, Bareilly

[Signature]
Registrar
Invertis University
Bareilly