

इन्वर्टिस विश्वविद्यालय

INVERTIS
UNIVERSITY BAREILLY

बरेली, उत्तर प्रदेश, भारत

दिनेश कुमार

को एतद्वारा

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 सितंबर 2020 में अपने शोध-प्रबंध

“टाइम डिस्क्रीटिजेशन एंड इतस एप्लिकेशन्स तो पार्शियल डिफ्रेंटिअल इक्वेशन”

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

Dinesh Kumar

*who has fulfilled the requirements for the degree as prescribed under the regulations
and successfully defended in September 2020, the thesis entitled :*

“Time Discretization and Its Applications to Partial Differential Equation”

Given this day, on January 1, 2021.

Registrar
Invertis University
Bareilly



कुलसचिव
REGISTRAR

कुलपति

VICE-CHANCELLOR

Certificate of the Supervisor

This is to certify that the thesis entitled "**Time Discretization and Its Applications to Partial Differential Equations**" submitted by Dinesh Kumar, Enrollment No. 151386 for the award of **Degree of Doctor of Philosophy in Mathematics**, in the Department of Applied Sciences & Humanities at Invertis University, Bareilly is an authentic record work carried out under my supervision.

The matter embodied in this thesis is original work of the candidate and has not been submitted elsewhere for the award of any degree or diploma.

It is further certified that he has worked with me for the required period in the Faculty of Science, Invertis University, Bareilly.



31/08/2020

(Prof. R. K. Shukla)

Dean Faculty of Engineering & Technology

Invertis University

Bareilly – 243 123, UP

India

Dean Academics
Invertis Institute of Engineering & Technology
INVERTIS UNIVERSITY
BAREILLY-243123



Registrar
Invertis University
Bareilly

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

September 09, 2020

Name of the Candidate: **DINESH KUMAR**

Student ID: **PME2015002**

Topic: **TIME DISCRETIZATION AND ITS APPLICATIONS TO PARTIAL DIFFERENTIAL EQUATIONS**

Modified Topic (if any): **N.A.**

Name of Department: **MATHEMATICS**

Supervisor: **Prof. R K Shukla**

Date of URDC: **21.01.2017**

Enrolment No. **151386**

Report of the Oral Board: During the Viva voce examination, the candidate has satisfactorily answered the questions raised by me as well as the other examiners. Therefore, I recommend the award of Ph.D. Degree to Mr. Dinesh Kumar based on his work and performance in the Viva-voce examination.

(Use separate sheet if required)

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

- | | |
|------------------------------|-------------------|
| 1. Prof. Y D S Arya | Chairman |
| 2. Prof. Ranjit Kr. Upadhyay | External Examiner |
| 3. Prof. P. P. Singh | Dean Sciences |
| 4. Prof. R. K. Shukla | Supervisor |
| 5. Dr. Kamlesh Kr. Dubey | HOD, ASH |
| 6. Dr. Mobin Anwar | Internal Exert |

Ph.D. Coordinator
[Signature]
9/9/2020

[Signature]
Approved by Vice Chancellor
Invertis University, Bareilly

[Signature]
Registrar
Invertis University
Bareilly