



गणित विभाग
DEPARTMENT OF MATHEMATICS
दिल्ली विश्वविद्यालय, दिल्ली-110007
UNIVERSITY OF DELHI, DELHI – 110007

ई-मेल: head@maths.du.ac.in

दूरभाष. 27666658

Prof. Ruchi Das
HEAD

No. Maths/ 2023/
Dated: February 1, 2023

MINUTES

A meeting of the Departmental Research Committee (DRC) was held on Tuesday, 31st January 2023 at 2:30 p.m.

The following members attended the meeting:

1. Prof. Ruchi Das (Head– Chairperson)
2. Prof. Rajagopal Raman (VC nominee)
3. Prof. Tarun Das
4. Prof. C. S. Lalitha
5. Prof. Sachi Srivasatava (attended online due to medical reason)
6. Prof. Lalit Kumar
7. Dr. Atul Gaur
8. Dr. Hemant Kumar Singh
9. Dr. Anupama Panigrahi
10. Dr. Anuj Bishnoi
11. Dr. Harjeet Arora (Hansraj College)
12. Prof. Sushil Kumar (Maharaja Agrasen) (Special Invitee)

The following members could not attend the meeting

1. Prof. V. Ambethkar
2. Dr. Rashmi Sehgal Thukral (JMC)
3. Prof. Sanjay Kumar (DDU College) (Special Invitee)

- Item No. 1**
- (a) The minutes of the DRC meetings held on 28.11.2022; December 21, 23 and 28, 2022, and 06.01.2023 were confirmed.
 - (b) No matter was raised for discussion on issues arising out of the minutes of the DRC meetings held on 28.11.2022; December 21, 23 and 28, 2022, and 06.01.2023

- Item No. 2** The examiners for the following Ph.D. theses were recommended and the same will be sent to Board of Research Studies for further approval.

| Sr. No. | Name of Scholar | Date of Regn. | Supervisor | Thesis Entitled |
|---------|-----------------|---------------|---------------------------------------|--|
| 01. | Naveen Gupta | 14.11.2019 | Prof. Sanjay Kumar (DDU) | Squeezing Function and its Generalizations |
| 02. | Mukesh Kumar | 21.11.2018 | Prof. Sushil Kumar (Maharaja Agrasen) | Analysis of Phase Portrait and Resonant Curve due to Perturbations of Geo-Synchronous Satellite Including Earth's Equatorial Ellipticity and Resistive Force |

Item No. 3 It is resolved to request the committee (formed earlier by DRC) to expedite considering applications of following teachers for recognition as a supervisor to guide Ph.D. Scholars and submit its report at the earliest, preferably within two weeks: Dr. Harindri Choudhary, Dr. Monika Singh, Dr. Charanpreet Kaur and Dr. Praveen Kumar

Item No. 4 The following titles of Ph.D. theses were considered and recommended and the same will be sent to Board of Research Studies for further approval:

| Sr. No. | Name of Scholar | Date of Regn. | Supervisor | Proposed Title |
|---------|-------------------|---------------|--|---|
| 01. | Shobha Yadav | 01.11.2016 | Dr. Surendra Kumar | Approximate Controllability and Optimal Control for Stochastic Differential Systems with Infinite Delay |
| 02. | Manoj Kumar Singh | 25.04.2017 | Dr. Atul Gaur Dr. Indivar Gupta (DRDO) | Distance Distribution of Constacyclic Codes Over Finite Rings |
| 03 | Mridu Sharma | 19.04.2017 | Prof. Shobha Bagai (CIC) Prof. Dinesh Khattar (KMC) | Convective Heat and Mass Transfer Through Porous Media Saturated by Nanofluid |

Item No. 5 The request of following scholar for change of supervisor and topic was considered and recommended as a special case with the condition that it should not be taken as a precedence in future and the same will be sent to Board of Research studies for further approval:

| Sr. No. | Name | Date of registration | Present Supervisor | Proposed Supervisor | Topic | Advisory Committee members |
|---------|--------------|----------------------|-------------------------|--------------------------|---|--|
| 01. | Rehan Ansari | 04.02.2022 | Prof. Sanjay Pant (DDU) | Prof. Gopal Datt (PGDAV) | Complex Analysis and Related Topics Changed to Complex Dynamics | From Prof. Sanjay Pant (DDU) Dr. Ratikanta Panda Dr. A. Zothansanga changed to Prof. Gopal Datt (PGDAV) Dr. Ratikanta Panda Dr. A. Zothansanga |

Item No. 6 The request of following scholar for six months extension after completion of 6 years was considered and recommended and the same will be sent to Board of Research studies for further approval:

| Sr. No. | Name | Date of registration | Proposed period of extension | Supervisor |
|---------|-----------------|----------------------|------------------------------|--|
| 01. | Rachna Aggarwal | 27.04.2017 | 27.04.2023 - 26.10.2023 | Dr. Ratikanta Panda Dr. Mukund Madhav Mishra (HR) |

Item No. 7: The committee approved Ph.D. Supplementary course work result for the academic session 2021-22 (Annexure - I)

Item No. 8 Ph.D. admissions for the academic session 2022-2023 were considered and recommended and the same will be send to Board of Research studies for further approval. (Annexure - II)

Under any other item

Item No. 1 The request of following scholar for additional supervisor was considered (as the supervisor has superannuated) and recommended and the same will be sent to Board of Research studies for further approval:

| Sr. No. | Name | Date of registration | Present Supervisor | Proposed Supervisor | Advisory Committee members |
|---------|---------------|----------------------|---|---|--|
| 01. | Mandeep Kumar | 28.10.2019 | Prof. B.K. Tyagi (ARSD College) (retired on 31 st December 2022) | Dr. Sachin Vashistha (Hindu College) Prof. B.K. Tyagi (ARSD College) (retired on 31 st December 2022) | Dr. Sachin Vashistha (Hindu College) Prof. B.K. Tyagi (ARSD College) (retired on 31 st December 2022) Prof. Ruchi Das Dr. Hemant Kumar Singh |
| 02 | Gaurav Kumar | 24.10.2019 | Prof. B.K. Tyagi (ARSD College) (retired on 31 st December 2022) | Dr. Sachin Vashistha (Hindu College) Prof. B.K. Tyagi (ARSD College) (retired on 31 st December 2022) | Dr. Sachin Vashistha (Hindu College) Prof. B.K. Tyagi (ARSD College) (retired on 31 st December 2022) Prof. Ruchi Das Dr. Ranjana Jain |
| 03. | Sumit | 21.09.2017 | Prof. B.K. Tyagi (ARSD College) (retired on 31 st December 2022) | Dr. Hemant Kumar Singh Prof. B.K. Tyagi (ARSD College) (retired on 31 st December 2022) | Dr. Hemant Kumar Singh Prof. B.K. Tyagi (ARSD College) (retired on 31 st December 2022) Prof. Ruchi Das Dr. Ranjana Jain |
| 04. | Vikesh | 24.09.2017 | Prof. B.K. Tyagi (ARSD College) (retired on 31 st December 2022) | Dr. Hemant Kumar Singh Prof. B.K. Tyagi (ARSD College) (retired on 31 st December 2022) | Dr. Hemant Kumar Singh Prof. B.K. Tyagi (ARSD College) (retired on 31 st December 2022) Prof. Ruchi Das Dr. Ranjana Jain |

Item No. 2: The application form for recognition as Ph.D. Supervisor in Mathematics as recommended by the concerned committee was considered and approved (Annexure – III).

Ruchi Das

HEAD