

DBT ACTIVITY REPORT (2023-24)

PG Department of Mathematics

Activity 5

Name of Activity: Paper presentation in International conference

Date: 8-10 Feb, 2024

Details of Resource Persons: NA

Venue/Mode: Shyam Lal College, University of Delhi, Delhi/ Online

Objective of activity:

1. To enhance students' ability in the art of academic writing and to present it.
2. To motivate students for research.
3. To broaden the minds of students in the direction of applications of mathematics.

Summary of the activity: Three students and four faculty members participated in the International Conference on Advances in Pure and Applied Mathematics organised by Shyam Lal College, University of Delhi, Delhi wef 8-10 Feb, 2024. The students prepared the research papers with the help of teachers and presented the papers in the conference. Dr. Satinderpal Kaur, Assistant Professor in Mathematics, Guru Nanak College, Sri Muktsar Sahib and Jashanpreet Kaur , student of B. Sc. NM-2nd year presented their paper titled "Application of derivatives in rate of interest of Banks", Ms. Kirandeep Kaur, Assistant Professor in Mathematics, Guru Nanak College, Sri Muktsar Sahib and Gagandeep Kaur , student of B. Sc. NM-2nd year presented their paper titled "Applications of Matrices in Biological Networks" , Ms. Kajal, Assistant Professor in Mathematics, Guru Nanak College, Sri Muktsar Sahib & Sukhmanjeet Singh, student of B. Sc. NM-2nd year presented their paper titled "Vedic Mathematics & Algebra" and Ms. Shikha , Assistant Professor in Mathematics, Guru Nanak College, Sri Muktsar Sahib College, presented her paper titled "Covid-19 & Education" in this conference. The students learnt a lot from the conference and they were very enthusiastic after paper presentation to continue research.

No. of Beneficiaries: Faculty -4, Students -3

Media coverage Link:

https://www.facebook.com/story.php?story_fbid=1622535588498233&id=100022254218839&mibextid=oFDknk&rdid=nJYIUrg31biIhAL



SLC University of Delhi
SHYAM LAL COLLEGE
NAAC A++ & NIRF AIR 60th

International Conference
ON
Advances in Pure & Applied Mathematics
(ICAPAM)
Vision India @ 2047
February 8-10, 2024
(In Hybrid Mode)
organized by
Department of Mathematics
&
IQAC



Venue: Shyam Lal College (University of Delhi)

ABOUT THE COLLEGE

Shyam Lal College (SLC) stands as a distinguished educational institution, providing an enriching and inclusive environment for the cultivation of excellence across academic, cultural, sports, and various student-driven pursuits. Established in 1964 by the visionary entrepreneur Padmasree (Late) Shri Shyam Lal Gupta, SLC is a co-educational constituent college affiliated with the University of Delhi. Over the past several years, SLC has been consistently advancing towards the attainment of academic excellence. In 2023, SLC reached a significant milestone by achieving an A++ grade accreditation from the National Assessment and Accreditation Council (NAAC). This achievement further solidifies SLC's commitment to providing a high standard of education. The college has also maintained an impressive ranking in the National Institutional Ranking Framework (NIRF) for Colleges in India, securing the 48th position among the country's top colleges. Additionally, SLC was selected to participate in the DBT STAR College Program under the Ministry of Science and Technology in 2020, demonstrating its dedication to excellence in education.

ABOUT THE IQAC

As per National Assessment and Accreditation Council (NAAC) guidelines every accredited institution should establish an Internal Quality Assurance Cell (IQAC) as a post-accreditation quality maintenance measure. Since quality enhancement is a continuous process, the IQAC, SLC works towards realization of the goals of quality enhancement and sustenance. The prime task of the IQAC is to develop a system for conscious and consistent improvement in the overall performance of the College through monitoring and facilitating academic, co-curricular and extra-curricular initiatives. The IQAC of the College achieves all these through systematic and regular feedback mechanisms and pursues the achievement of new agendas and goals.

ABOUT THE DEPARTMENT

The Department of Mathematics at Shyam Lal College (University of Delhi) is renowned as a pioneer in its field. Established in 1964, this distinguished department is home to 11 highly qualified faculty members. Our achievements include registration of 17 patents and publication of nearly 150 research papers credited to faculty members of the Department across various branches of Mathematics. Presently, the department's faculty members actively supervise multiple research scholars, contributing to the advancement of mathematical knowledge. Throughout its history, the Department has displayed remarkable progress in its academic programs. The Department offers a comprehensive graduate program in Mathematics, covering B.Sc. (H) Mathematics and B.Sc. Physical Sciences, for which it maintains a well-equipped computer lab with cutting-edge software. The distinguished faculty members are actively involved in continuous research and developmental initiatives across a spectrum of domains. Furthermore, "Asantagathi, The Mathematical Society, SLC," was established in 2016. This society hosts an annual Mathematical Festival known as "GANITA" to enhance students' mathematical proficiency and skills.

ABOUT THE CONFERENCE

The International Conference on Advances in Pure and Applied Mathematics-Vision India@2047 stands as an esteemed assembly of eminent mathematicians, distinguished researchers, and erudite scholars hailing from every corner of the world. With great anticipation, we announce its forthcoming edition, scheduled from February 8 to 10, 2024 in hybrid mode. This conference has been meticulously crafted with a singular focus: the exploration of the most recent and profound advancements in both pure and applied mathematics.

At the heart of this gathering lies a fundamental objective – to unite luminaries of the field with emerging talents, drawing together experts from diverse nations and regions. The Conference serves as a dynamic platform designed to foster the exchange of ideas and insights, particularly concerning the latest developments in the realm of Advances in Pure and Applied Mathematics-Vision India@2047. As we cast our gaze forward to the year 2047, we find ourselves in the midst of a unique opportunity – one that invites us to honor the incredible journey of mathematics and to contemplate its future.

Beyond the realm of academic discourse, this event also serves a practical aspect. It is poised to invigorate and equip researchers with the indispensable mathematical tools needed to confront the complexities and challenges encountered in their research endeavours. Simultaneously, it functions as a forum for the dissemination of cutting-edge research, the introduction of emerging theories, and the showcasing of innovative methodologies. In the world of mathematics, the quest for knowledge is a perpetual journey, marked by an unceasing pursuit of exploration. This conference, in all its grandeur, is dedicated to revealing the frontiers of mathematical understanding.

As we delve into the inner workings of this conference, it becomes evident that, besides advancing the theoretical foundations of mathematics, it is staunchly committed to the propagation of innovation. Our world is evolving at an unprecedented pace, and mathematics finds itself at the vanguard of driving progress and effecting transformation. The event, set against this dynamic backdrop, will feature captivating demonstrations, bringing to the forefront novel applications of mathematics. These demonstrations will serve as a testament to the transformative power of mathematics, shaping and influencing our ever-evolving world.

Central to this conference are the keynote addresses and plenary sessions, which are poised to be the intellectual fulcrum of the event. Experts from diverse facets of the mathematical world will take centerstage, sharing their profound insights and perspectives. In parallel, the conference provides a platform for the presentation of contributed papers, allowing participants to delve into in-depth discussions and debates surrounding the latest research findings, innovative applications, and emerging theories.

In summary, the "International Conference on Advances in Pure and Applied Mathematics - Vision India@2047" is more than just an event; it signifies a profound occasion. It symbolizes the enduring legacy and the bright future of mathematics. We extend a warm invitation to join us in this transformative experience, where mathematical knowledge is not only acknowledged but also actively explored and harnessed for practical purposes. Your participation, insights, and contributions are of immense value to the ever-evolving landscape of mathematics key. With great anticipation, we await your presence as we embark on this intellectual odyssey together.

Research Arenas:

Besides the suggested themes, contributors are urged to explore their work across the diverse landscape of subjects connected to the theme:

Tracks of the conference include the following topics (but are not limited to):

Fuzzy Logic	Numerical Analysis	Cosetial Mechanics	Partial Differential Equations
Fixed Point Theory	Fuzzy Expert System	Space Dynamics	Coding Theory
Vedic Mathematics	IoT	Cyber Security	Algebra
Cryptography	IoT Mathematical Modelling	Inventory Management	Graph Theory
Coding Theory	Network	Number Theory	Quantic Models
Queuing Theory	Stability Theory	Operator Theory	Functional Analysis

Publication Opportunities:

The conference presents an avenue for selected papers to be published in AIP Conference Proceedings indexed in SCOPUS. The publication process will strictly adhere to the guidelines set forth by the proceeding. The Article Processing Charge (APC) will be applicable for accepted papers as per AIP Conference Proceedings.

IMPORTANT DATES

For Submissions

Last date for Abstract Submission for Presenters : January 24, 2024

(Please submit the abstracts at icapam2024slc@gmail.com)

Notification for Abstract Acceptance : January 26, 2024

Last date for Full Paper Submission by Contributors : January 31, 2024

For Registrations

Last date for Presenters : January 31, 2024

Last date for Non-Presenters : January 31, 2024

REGISTRATION FEE

For Indian National	
Research Scholars/ Student Participants	: ₹ 1000
For Faculty / Industry Members	: ₹ 1500
For Foreign Nationals	: \$ 50 (Fifty US Dollars)

Note:

- Limited shared accommodation may be considered subject to receipt of grants to the organizers.
- For paper submission, please visit the conference website.


Registration Link : <https://lfirms.gle/xgq3paP3SSUfEZB7>

Conference Web Link : <https://sites.google.com/view/icapam2024/home?authuser=0>

Conference E-mail : icapam2024slc@gmail.com

Payment Details:

Name of Account Holder	: Shyam Lal College Conference and Seminars Account
Bank Name	: Central Bank of India
Bank Account Number (Saving)	: 3731428412
IFSC Code	: CBIN0283941
MICR Code	: 110016147



SHYAM LAL COLLEGE CONFERENCE

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ADVISORY COMMITTEE

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Prof. Musheer Ahmad (Jamia Millia Islamia, Delhi, India)	Prof. Rajiv Aggarwal (University of Delhi, India)	Prof. Monika Singh (University of Delhi, India)
Prof. Gopal Datt (University of Delhi, India)		

DISTINGUISHED SPEAKERS

Prof. C. S. Lalitha (University of Delhi, India)	Prof. Chandra K. Jaggi (University of Delhi, India)	Dr. Aniruddha Bora (Brown University, USA)
Prof. V. Ambethkar (University of Delhi, India)	Dr. Srinivas Jangirala (I.O.P. India Global University, Haryana, India)	Prof. Chaman Singh (University of Delhi, India)
Prof. S.K. Kaushik (University of Delhi, India)	Dr. Sunil Tiwari (IISCA, France)	Prof. Arun Pal Singh (University of Delhi, India)
Dr. Satvir Singh (RWTH Aachen University, Germany)	Prof. Leopoldo Eduardo Cárdenas-Barrón (SISTAM, France)	Dr. Shivani Goel (IIT Madras Zanzibar, Tanzania)
Dr. Izhar Uddin (Jamia Millia Islamia, Delhi, India)	Prof. Sachin Kumar (University of Delhi, India)	Prof. Mukesh Kr. Sharma (CCS University, Meerut, India)
Prof. Hazal Yuksekkaya (Dicle University, Turkey)	Dr. Aleksandar Radonjic (GSISS, Belgrade, Serbia)	Prof. Arunima Kumari (GGSIU, Delhi, India)
Dr. Saibal K. Pal (DRDO, Delhi, India)	Prof. Ashok Kumar Das (IIT, Hyderabad, India)	Dr. Ankit Kumar (Panjab Engineering College, India)
Prof. P.K. Das (Tezpur University, Assam, India)	Dr. Todor Jordanov Todorov (University of Varna, Bulgaria)	Dr. Harshdeep Singh (DRDO, Delhi, India)
Dr. Ajay Kumar (DRDO, Delhi, India)	Dr. Manu Rohilla (J.C. Bose University of Science and Technology, YMCA, Faridabad, India)	Prof. Gopal Datt (University of Delhi, India)

ORGANIZING TEAM

Mr. Balram Kindra Co-Convenor	Dr. Seema Guglani Coordinator	Dr. Anuj Kr. Sharma Coordinator
Dr. Virender Coordinator	Dr. Vinod Kumar Coordinator	Dr. Rajni Arora Coordinator
Dr. Saubhagyalaxmi Singh Coordinator	Dr. Swati Yadav Coordinator	Mr. Sandeep Kumar Coordinator
Dr. Sudhir Kumar Yadav Coordinator	Dr. Mukesh Kumar Coordinator	Dr. Rahul Boadh Coordinator

Prof. Kusha Tiwari Director, IQAC	Dr. Subodh Kumar Convenor	Prof. Rabi Narayan Kar Patron
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CERTIFICATE

This is to certify that Mr./Ms./Mrs./Dr./Prof. Kajal
of Department of Mathematics, Guru Nanak College, Sri Muksar Sahib, Punjab, India participated in the
International Conference on Advances in Pure & Applied Mathematics organized by Shyam Lal College,
University of Delhi. He/She gave a Contributed Talk/Paper Presentation entitled
Vedic Mathematics & Algebra

in the conference during February 8 - 10, 2024.

Kusha

Prof. Kusha Tiwari
(Director, IQAC)

Subodh Kumar

Dr. Subodh Kumar
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Rabi Narayan Kar

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of Department of Mathematics, Guru Nanak College, Sri Muksar Sahib, Punjab, India participated in the
International Conference on Advances in Pure & Applied Mathematics organized by Shyam Lal College,
University of Delhi. He/She gave a Contributed Talk/Paper Presentation entitled
Application of Matrices in Biological Networks

in the conference during February 8 - 10, 2024.

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of Department of Mathematics, Guru Nanak College, Sri Muktsar Sahib - 152026, (Punjab), India participated in the
International Conference on Advances in Pure & Applied Mathematics organized by Shyam Lal College,
University of Delhi. He/She gave a Contributed Talk/Paper Presentation entitled
Application of Derivative in Rate of Interest of Banks

in the conference during February 8 - 10, 2024.

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of Department of Mathematics, Guru Nanak College, Sri Muktsar Sahib-India participated in the
International Conference on Advances in Pure & Applied Mathematics organized by Shyam Lal College,
University of Delhi. He/She gave a Contributed Talk/Paper Presentation entitled
COVID-19 & Education

in the conference during February 8 - 10, 2024.

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Dr. Subodh Kumar

Dr. Subodh Kumar
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Prof. Rabi Narayan Kar

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