



Dayananda Sagar University (DSU) - Main Campus

School of Engineering

Devarakagalahalli, Harohalli, Kanakapura Road, Ramanagara Dt, Karnataka - 562112

Event Report

Date: **24.12.2024**

Time: **09.30 AM - 4.00 PM**

Venue: **LT- 011**

Title: **National Mathematics Day and Inauguration of Brahmagupta Club in the Department of Mathematics**

Guest Speaker: **Dr. L. Shangerganesh (Head of the Department of Mathematics, NIT Goa)**

1. Introduction

The Department of Mathematics, School of Engineering, Dayananda Sagar University, celebrated **National Mathematics Day 2024** with great enthusiasm and pride. The day also marked the formal **inauguration of the Brahmagupta Club**, a dedicated initiative aimed at promoting mathematical thinking, analytical skills, and problem-solving abilities among students.

On December 24, 2024, to celebrate the birth anniversary (December 22) of the legendary mathematician **Srinivasa Ramanujan**, the Department of Mathematics conducted a series of academic and student-centric activities highlighting the importance and innovations of mathematics in real-life applications.

2. Objectives

The primary objectives of this event were:

- The goal is to promote understanding of the importance of mathematics in real-life applications.
- To inspire students through lectures and interactive sessions with experts.
- To engage students in problem-solving activities, quizzes, and creative competitions.
- To formally inaugurate the **Brahmagupta Club**, which will serve as a platform for mathematical discussions, competitions, and workshops throughout the year.

3. Inaugural Session

The event commenced with a warm welcome address by **Dr. Mayank Singh Bhakuni**, who highlighted the vision and mission of the newly formed **Brahmagupta Club**. He elaborated on how the club would act as a hub for students interested in mathematics, research, and innovation.

Distinguished dignitaries present at the event included:

- The Chief Guest: **Dr. L. Shangerganesh**, Head, Department of Mathematics, **NIT Goa**.
- **Dr. Udaya Kumar Reddy**, Dean-SoE, DSU
- **Dr. Naveen Babu**, Associate Dean-SoE, DSU
- **Dr. Mahalakshmi P**, Chairperson of the Mathematics Department,

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Dr. Mayank introduced the chief guest, **Dr. L. Shangerganesh** and requested to address the audience.



4. Description of the Event:

Dr. Mayank commenced the session with a warm welcome and provided an overview of the club's name and its future objectives. The host extended a warm welcome to the esteemed guests, including the Chief Guest, Dean, Associate Dean, and Chairperson of the Mathematics Department. Subsequently, he extended a cordial invitation to the esteemed chief guest for an invited talk. The chief guest for the invited talk was **Dr. L. Shangerganesh**, the Head of the Mathematics Department at NIT Goa.

Dr. Hariharan introduced the chief guest and requested that he deliver his invited speech. The speaker delivered a captivating presentation titled "Mathematical Synergy: Harnessing Linear Algebra and Differential Equations to Decode Disease Dynamics." The presentation provided valuable insights into the fundamental concepts of linear algebra and differential equations. It aimed to equip individuals with a basic understanding of these mathematical disciplines. The session was highly engaging, with students demonstrating a keen interest in the speaker's presentation and actively participating in the interactive dialogue.

Following the invited talk, **Dr. Atul Jakhar** announced the winners of the event "Test Your Mind (7-Day 7 Problem)" and facilitated their presentation. The program concluded with various

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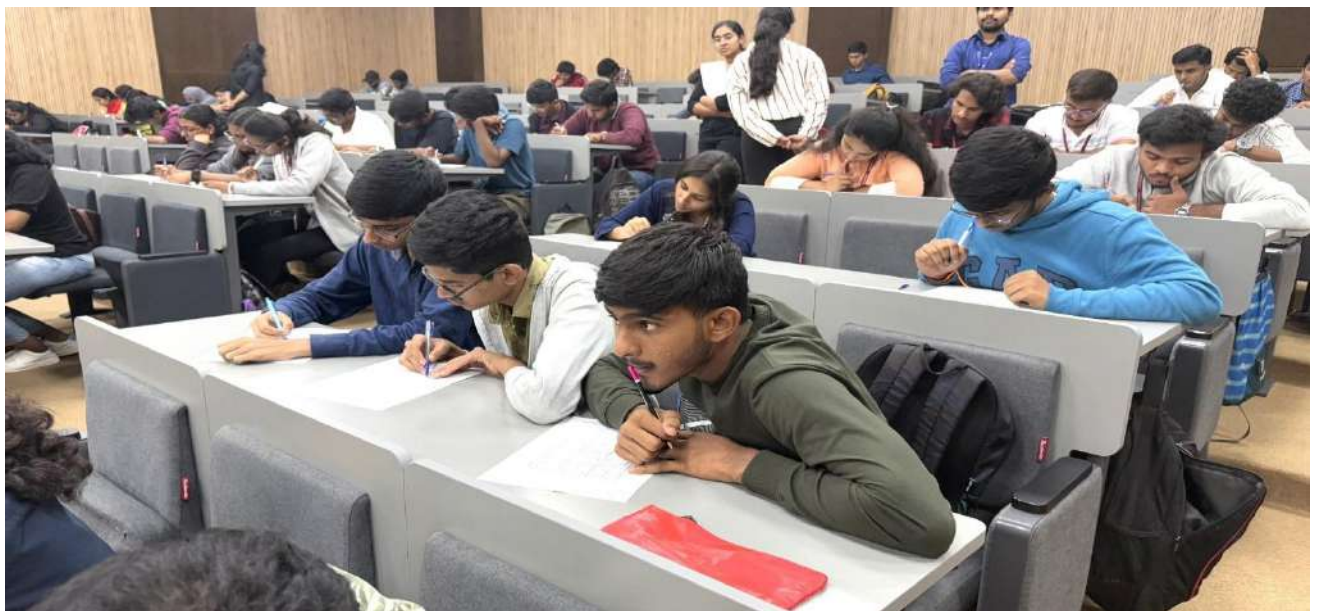
events, including a mathematics quiz, a Sudoku puzzle, and an abstract painting competition. A total of 163 students registered for the events. The program culminated in the valedictory function, where Chairperson **Dr. Mahalakshmi P** expressed gratitude.



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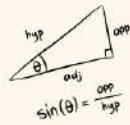
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Events

$$X = \frac{-b \pm \sqrt{b^2 - 4ac}}{2a}$$

Talk:



10:15 am - 11:15 am

Speaker:

Dr. L. Shangerganesh
Head of Department
Department of Applied Sciences
National Institute of Technology
Goa

Topic of the talk:

**Mathematical Synergy:
Harnessing Linear
Algebra and Differential
Equations to Decode
Disease Dynamics**

1 Test your Mind



7 Days 7 Challenges



2 Mathematics Quiz

11:30 am - 12:00 pm



3 Sudoku Puzzle

12:00 pm - 12:30 pm

4 Abstract Painting



12:30pm - 01:30 pm

Chief Patrons

Dr. D. Hemachandra Sagar
Chancellor, DSU
Dr. D. Premachandra Sagar
Pro Chancellor, DSU
Shri. Galiswamy
Secretary, DSI
Shri. Rohan Prem Sagar
Joint Secretary, DSI
Ms. Tintisha H Sagar
Joint Secretary, DSI
Shri. Nishan H Sagar
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Dr. Amit R Bhatt
Vice Chancellor, DSU
Prof. R. Janardhan
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Dr. C. Puttamadappa
Registrar, DSU
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Dean-R&I, DSU
Dr. Ramesh R Galigekere
Professor & Dean(Acad) - Science
& Technology, DSU
Dr. Naveen Babu
Associate Dean - SOE, DSU

Awards Distribution & Valedictory Ceremony



02:45 pm - 03:45 pm

