

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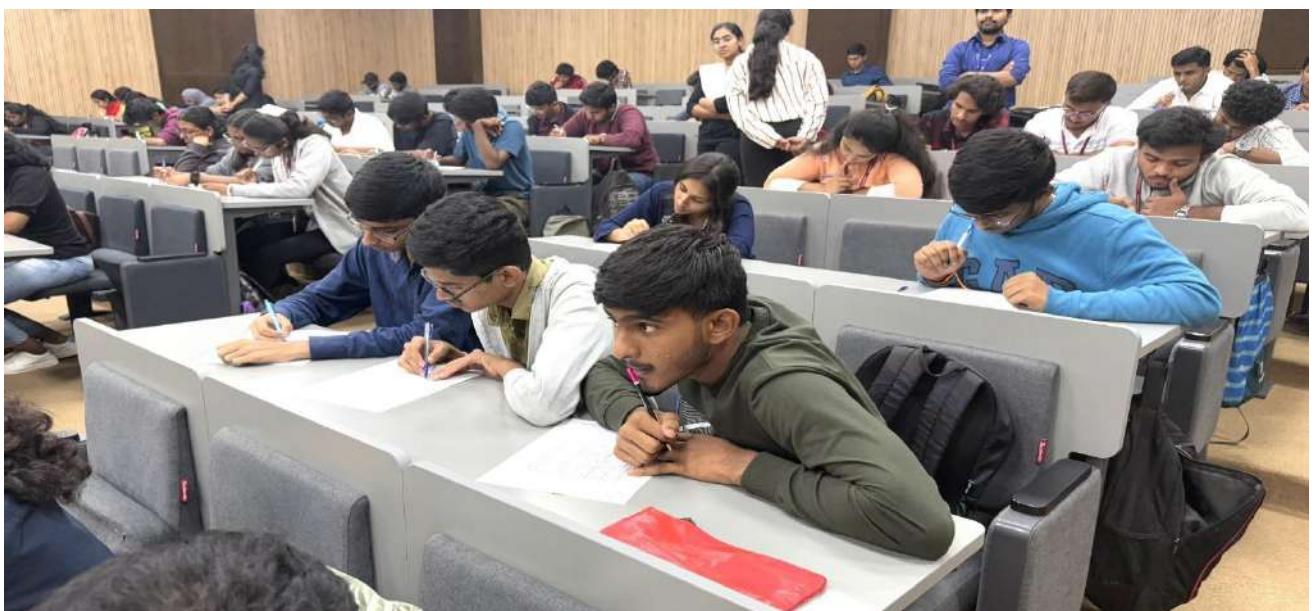
events, including a mathematics quiz, a Sudoku puzzle, and an abstract painting competition. A total of 163 students registered for the events. The program culminated in the valedictory function, where Chairperson **Dr. Mahalakshmi P** expressed gratitude.



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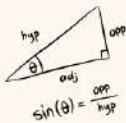
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### Events

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

#### 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  
Joint Secretary, DSI  
Ms. Natasha H Sagar  
Joint Secretary, DSI

#### Patrons

Dr. Amit R Bhatt  
Vice Chancellor, DSU  
Prof. R. Janardhan  
Pro-Vice Chancellor, DSU  
Dr. C. Puttamadappa  
Registrar, DSU  
Dr. Udaya Kumar Reddy K. R  
Dean-SOE, DSU  
Dr. Kousalya Govardhanan  
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**

