



Department of Mathematics
St. Bede's College, Shimla

ACTIVITIES 2023-24


Emerging Trends in Computational Mathematics

Date: August 31, 2023

Objective: To empower students with the ability to interpret a given data set and derive a representative value that effectively summarizes the set of data points. Additionally, guide them in acquiring the skills to implement the provided data set in Microsoft Excel for comprehensive analysis.

Description: Department of Computers Science and Mathematics organized an interdepartmental activity on "Emerging Trends in Computational Mathematics" for the students of B.Sc. and BCA. In the activity B.Sc. students presented the concept of Statistics while its implementation on M.S. Excel was presented by BCA students.

Outcome: Students understood the concept of data analysis and its implementation on MS Excel


Heritage Status

St. Bede's College
NAAC Re-Accredited A⁺ Grade


**DEPARTMENT OF COMPUTER SCIENCE
AND MATHEMATICS**


**ORGANISES AN
INTERDEPARTMENT
ACTIVITY ON**

**"EMERGING TRENDS IN
COMPUTATIONAL
MATHEMATICS"**

**TIMING :- 10:50
DATE :- 31/08/2023**

VANUE- COMPUTER LAB 2


भारत 2023 INDIA


INDIA 2023
Y20 SUMMIT INDIA

Brochure



Department of Mathematics
St. Bede's College, Shimla



Emerging Trends in Computational Mathematics (August 31,2023)



Emerging Trends in Computational Mathematics (August 31,2023)



Department of Mathematics
St. Bede's College, Shimla

GUEST LECTURE

Date: November 8, 2023

Objective: To provide students with clear understanding of the fundamental concepts of Probability and Statistics and the importance of these concepts in various aspects of Computer Science and Engineering.

Description: Department of Mathematics and Computer Science organised a guest lecture on the topic “Probability and Statistics in Computer Science and Engineering” on November 8, 2023 for the students of Maths and Computer Science in the seminar room. Dr. Pawan Sharma, Associate Professor, Department of Mathematics and Scientific Computing, NIT, Hamirpur was the resource person. The resource person discussed about the significance of probability and statistics in the fields of computer science and engineering.

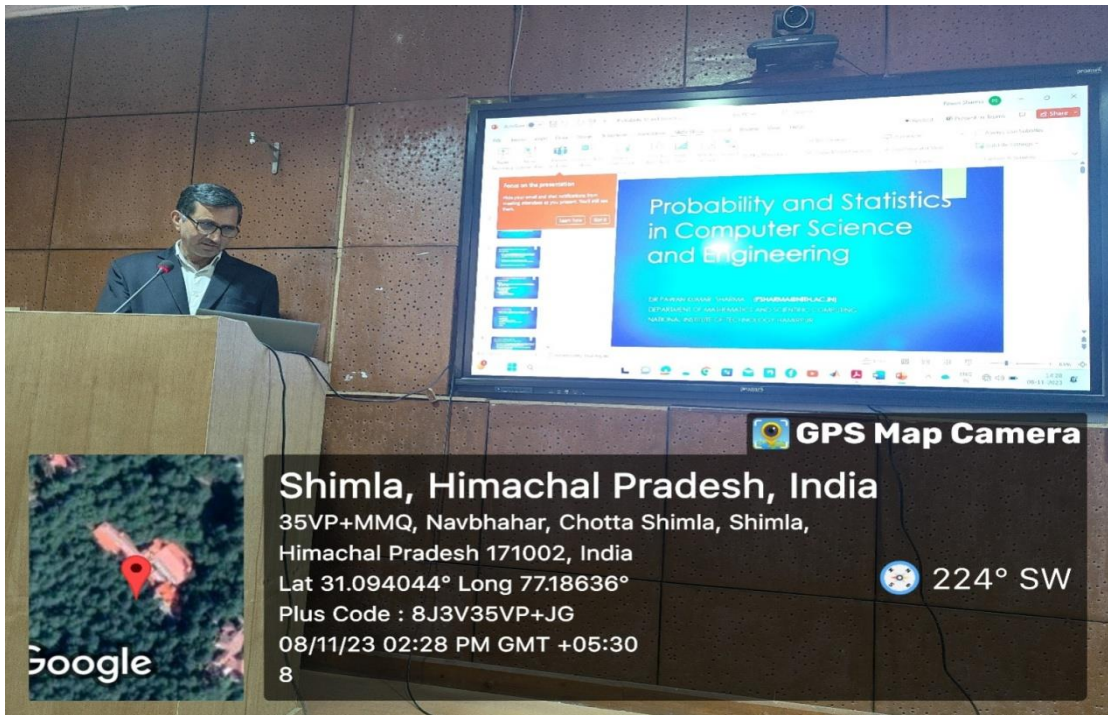
Outcomes: Students acquired a more profound comprehension of foundational concepts in probability and statistics with their relevance to computer science and engineering. Additionally, students became cognizant of the practical applications of probability and statistics in decision-making, data analysis, and diverse engineering projects.



Brochure



Department of Mathematics
St. Bede's College, Shimla



Guest lecture (November 8, 2023)



Guest lecture (November 8, 2023)



Department of Mathematics
St. Bede's College, Shimla

Quiz

Date: November 30, 2023

Objective: To assess the students' knowledge of transportation and game theory and also to develop their critical thinking skills.

The online quiz on Transportation and Game theory was held for 3rd year Sec students in the classroom on November 30, 2023. The students participated individually in the Quiz.

Outcomes: The quiz yielded positive outcomes, providing an opportunity for students to evaluate their knowledge and understanding of the subject matter. It played a crucial role in nurturing critical thinking and problem solving abilities that are valuable in various academic and real-world contexts.

G20 भारत 2023 INDIA **St. Bede's College** **Y20** भारत 2023 INDIA

**DEPARTMENT OF
MATHEMATICS**

**is organising a quiz on
TRANSPORTATION AND
GAME THEORY**

for the final year SEC students

**On
30th November, 2023**

Time: 12:30 pm

Venue: A10

Not For Ourselves Alone

Brochure



Quiz (November 30,2023)



Quiz (November 30,2023)



Department of Mathematics
St. Bede's College, Shimla

National Mathematics Day

Date: December 22, 2023

Objective: To promote Mathematical awareness among students, to develop critical, logical and problem solving skills and to encourage them to engage towards discoveries in the field of Mathematics.

Description: The Mathematics Department of St. Bede's College organized a presentation on Vedic mathematics, a quiz, and a Video Making Competition (centered around the works of Ramanujan) on December 22, 2023, to celebrate Ramanujan's birth anniversary. The quiz champions were Payal Mehta, Himani, and Pooja, while the runner-up positions were secured by Sunidhi Sharma, Roopanshi, and Tanya.

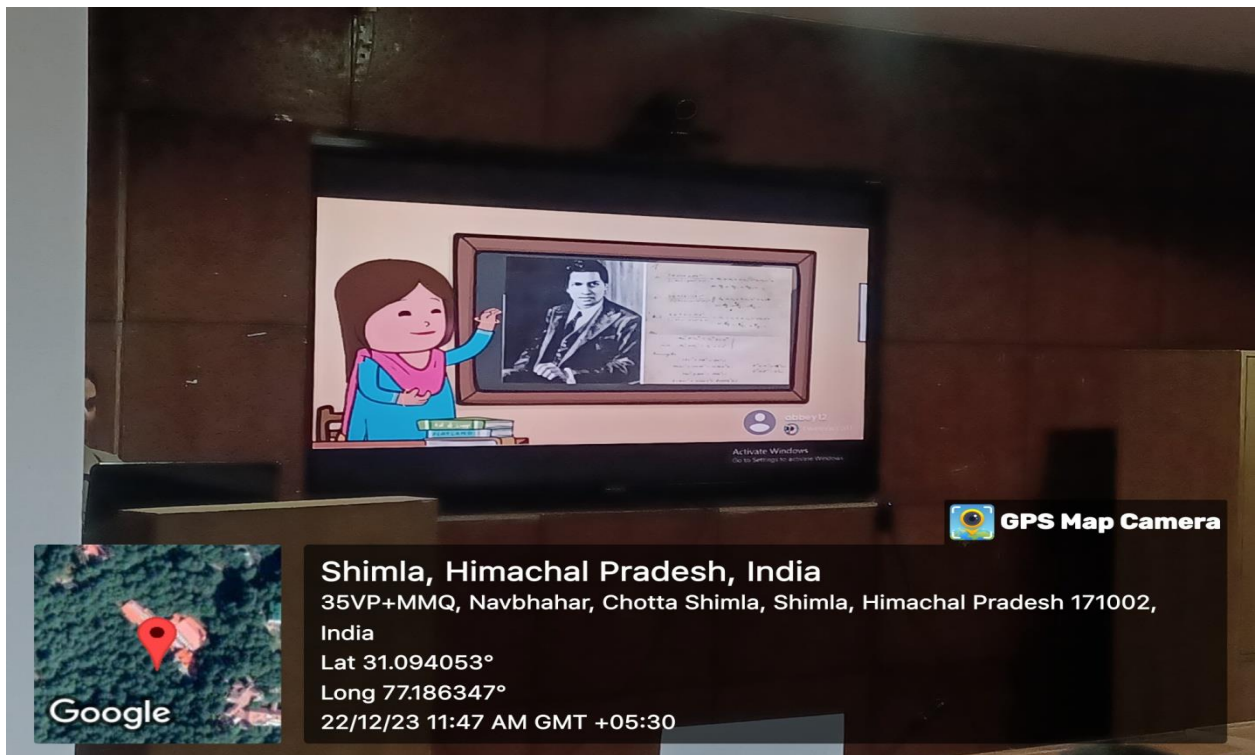
Outcomes: It helped the students to develop and enhance their critical thinking skills, which are valuable not only in Mathematics but in various aspects of life. It also encouraged students to approach problems in novel ways, fostering a spirit of creativity and innovation among them. It also created the awareness of the discoveries in the field of mathematics.



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Department of Mathematics
St. Bede's College, Shimla



National Mathematics Day (December 22, 2023)



National Mathematics Day (December 22, 2023)



National Science Day

Date: February 28, 2024

Objectives: To spread the message of importance of science and its applications in daily life and to engage the youth in research activities. Also to encourage healthy competition and teamwork among the participants

Description: On 28, February, 2024, Science Stream of St. Bede's college celebrated National science day. The theme for the event was "Indigenous Technologies for Viksit Bharat". The resource person for the session was Dr. Ramesh Chand Thakur, Director IQAC and Associate Professor, Dept. of Chemistry, HPU, Shimla.

Dr. Ramesh Chand Thakur informed students about the importance of science in daily life while discussing recent indigenous scientific and technological achievements. He laid emphasis on the value of home-made technologies. He also discussed the career options available for science graduates.

After interactive session intra college Quiz competition was held. The competition comprised of three rounds. Participants were challenged with a diverse set of questions covering various aspects of modern science. Science departments also participated in science model exhibition

Outcomes: The session was an extremely enlightening and informative experience for students. It inculcated critical thinking and scientific attitude. Students came to know about various career options available for them. They gained a lot of knowledge about the modern day science. The event increased students' knowledge of scientific inquiry and promoted positive attitude towards science. It broadened the technological literacy both individually and collectively.



Department of Mathematics
St. Bede's College, Shimla

St. Bede's College
(NAAC Re-Accredited 'A+' College)
under the aegis of IQAC
celebrates
National Science Day
on
"INDIGENOUS TECHNOLOGIES FOR VIKSIT BHARAT"

Date: 28th Feb. 2024
Venue: Seminar Room
Time: 10.00 am to 12.00 pm

Activities
Interactive Session
Science Exhibition
Information Bulletin
Intra college Quiz Competition

Eminent Speaker
Dr. Ramesh Chand Thakur
Associate Professor
Department Of Chemistry
Himachal Pradesh University Shimla-05

Brochure



National Science Day (February 28, 2023)



Department of Mathematics
St. Bede's College, Shimla



National Science Day (February 28, 2023)



National Science Day (February 28, 2023)



Department of Mathematics
St. Bede's College, Shimla



National Science Day (February 28, 2023)

International Day of Mathematics

Date: March 14, 2024

Objective: The purpose of this activity was to promote the importance of mathematics in various fields, and to encourage interest in mathematics among students.

Description: International Day of Mathematics also known as 'Pi day' was celebrated on March 14, 2024 in the computer lab of St. Bede's College through power point presentation on mathematics and science. Students of B.Sc. non-medical participated in the event.

Outcome: This activity increased the awareness of mathematics among the students in various disciplines, such as science, engineering, finance, technology. It also developed a positive perception of mathematics among the students.



Department of Mathematics
St. Bede's College, Shimla

$$\frac{b}{a} = 1$$

$$r = \sqrt{(x_2 - x_1)^2 + (y_2 - y_1)^2}$$

$$y - y_1 = m(x - x_1)$$



$$\frac{x}{a} + \frac{y}{b} = 1$$



St. Bede's College

NAAC Re-Accredited A+ Grade

C-2

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

Department of Mathematics
is celebrating

$$S = \frac{a}{1 - r}$$

International Day of Mathematics

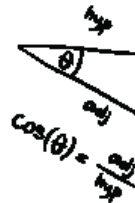


$$\frac{v_f - v_i}{x}$$

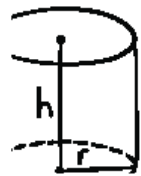
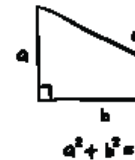
March 14, 2024

Time: 12 :00 pm

Venue: Computer Lab 2



bhl



$$M = \left(\frac{x_1 + x_2}{2}, \frac{y_1 + y_2}{2} \right)$$

$$\sqrt{b^2 - 4ac}$$



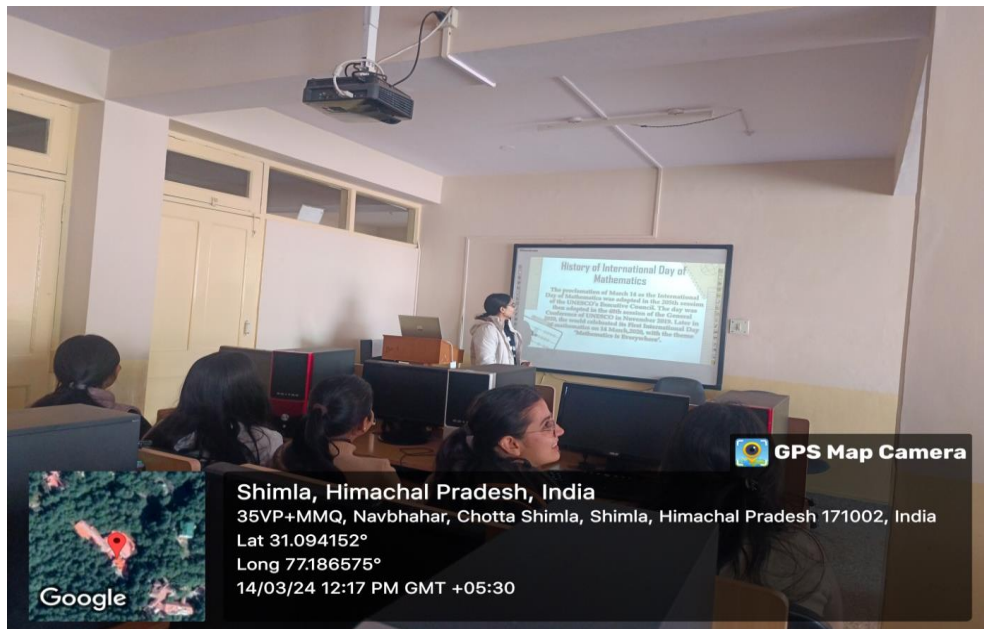
Brochure



Department of Mathematics
St. Bede's College, Shimla



International Day of Mathematics (March 14, 2024)



International Day of Mathematics (March 14, 2024)