

# BIRPARA COLLEGE

( NAAC ACCREDITED )

P.O. Birpara, Dist. Alipurduar (W.B.)

PIN - 735 204

*(A Govt. Aided Degree College  
Affiliated to the University of  
North Bengal & Enlisted Under  
Sec. 2(f) & 12(B) of UGC. Act.)*



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Date .....

## WORKSHOP ON MATHEMATICS MEETS TECHNOLOGY: MASTERING ICT FOR MATHEMATICAL SKILLS

### Report

**Name of Resource Person:** Udipta Paul, Faculty, Department of Mathematics, Birpara College

**Date of Event:** 10th February 2024

**Venue:** Birpara College

**Number of Students Participated:** 18

#### **Event Overview:**

The workshop titled “Mathematics Meets Technology: Mastering ICT for Mathematical Skills” was conducted on 10th February 2024 at Birpara College. The event aimed at bridging the gap between traditional mathematical learning and modern technological tools, focusing on how Information and Communication Technology (ICT) can enhance mathematical skills among students. The workshop was conducted by Mr. Udipta Paul, a faculty member from the Department of Mathematics at Birpara College, and was attended by 18 students from different departments.

#### **Objectives of the Workshop:**

1. To explore the role of Information and Communication Technology (ICT) in learning mathematics.
2. To introduce students to digital tools and resources that aid in the understanding of complex mathematical concepts.
3. To enhance problem-solving skills using technology-based platforms and software.
4. To foster an interdisciplinary approach where mathematics and technology converge for better learning outcomes.

*Kanstav Chakraborti*  
Principal  
Birpara College  
Birpara, Alipurduar

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## Detailed Description:

The workshop commenced with an introduction by Mr. Udipta Paul, who highlighted the importance of integrating ICT into the teaching and learning of mathematics. He emphasized that the evolving technological landscape provides numerous opportunities to enhance the understanding of mathematical concepts through the use of software tools, apps, and online platforms.

The session was structured into multiple segments:

- 1. Introduction to ICT in Mathematics Education:** Mr. Paul began with a theoretical overview of the use of technology in education, specifically mathematics. He discussed how ICT tools have revolutionized the way students approach mathematical problems and how they can use technology to visualize mathematical concepts, graph equations, and solve problems more efficiently. The participants were guided through the features of each tool and shown practical examples of how they can use these resources to enhance their mathematical skills.
- 2. Interactive Problem-Solving Session:** Mr. Paul facilitated an interactive session where students worked in groups to solve a series of mathematical problems using the ICT tools introduced earlier. This segment encouraged collaboration and allowed students to apply their knowledge in a practical setting.
- 3. Discussion on Future Trends in ICT and Mathematics:** The final part of the workshop involved a discussion on the future of mathematics education in the age of technology. Mr. Paul discussed emerging trends, such as artificial intelligence, machine learning, and their potential impact on the study and application of mathematics in various fields, including engineering, finance, and data science.

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## Outcomes and Impact:

- **Enhanced Skill Set:** The students were equipped with knowledge of new digital tools and platforms that they can utilize for improving their understanding of mathematical concepts and solving complex problems.
- **Increased Engagement with Mathematics:** The interactive nature of the workshop, coupled with the use of technology, significantly boosted student engagement. The ability to visualize and interact with mathematical concepts helped to demystify some of the more challenging topics.
- **Collaborative Learning:** The group problem-solving sessions allowed students to collaborate with their peers, enhancing their teamwork and communication skills while reinforcing mathematical concepts.
- **Improved Digital Literacy:** The students gained valuable exposure to advanced ICT tools that are widely used in academic and professional settings, thereby improving their digital literacy and preparing them for future studies or careers in technology-related fields.

## Conclusion:

The workshop “Mathematics Meets Technology: Mastering ICT for Mathematical Skills” successfully achieved its objectives of introducing students to the intersection of mathematics and technology. Through interactive sessions and hands-on demonstrations, students not only learned about new ICT tools but also gained practical skills that will aid in their academic and professional pursuits.

The workshop was a valuable learning experience for all participants, and the positive feedback highlights the potential for future workshops to further integrate ICT into the curriculum and foster a more engaging and technology-driven approach to learning mathematics.

*Kanstav Chakraborti*  
Principal  
Birpara College  
Birpara, Alipurduar

**BIRPARA COLLEGE, BIRPARA, ALIPURDUAR**

Title of Event: Workshop on "Mathematics meets Technology: Mastering ICT for Mathematical Skills"

Date: From 10/02/2024 to   /  /   Time (in hours)   

Organised by: Department of Mathematics

In collaboration with: IQAC, Birpara College

**Attendance Sheet**

Sl. No.	Roll No.	Signature	Sl. No.	Roll No.	Signature
1.	2230009	Sipan Das	26.		
2.	2230002	Punaki Roy	27.		
3.	2230001	Nikita Pradhan	28.		
4.	2230004	Sahab roy	29.		
5.	2230003	Shreya Chakraborty	30.		
6.	2230008	Krishan Rai	31.		
7.	2220001	Pollom Shil	32.		
8.	2220006	Smakshi Sharma	33.		
9.	2220009	Muboraj Roy	34.		
10.	2220005	Pradyum Khali	35.		
11.	2220002	Muskan Jaiswal	36.		
12.	2220004	AMIT SHA	37.		
13.	2220008	Sahil Mahato.	38.		
14.	2220003	Ravnaq Parveen	39.		
15.	2210001	SUBRAT NEPAL	40.		
16.	2210002	Vijaya Rana	41.		
17.	2210005	Ankit Koilaga	42.		
18.	2210004	Sujay Paul	43.		
19.			44.		
20.			45.		
21.			46.		
22.			47.		
23.			48.		
24.			49.		
25.			50.		

*Kanishk Chakraborty*  
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