

Office: 0480 2825258

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CRITERION	II	Teaching-Learning and Evaluation
KEY INDICATOR	2.3	Teaching - Learning Process
METRIC	2.3.1	Student-centric methods such as experiential learning, participative learning and
		problem-solving methodologies are used for enhancing learning experiences:

# **DEPARTMENT OF MATHEMATICS (UNAIDED)**

### Introduction

The Department of Mathematics strives to integrate experiential and participatory methodologies by using teaching-learning methodologies that bring a profound learning experience for the students in the digital era. Teaching-learning method following the same traditional way of lecturing, content delivery and traditional formative assessment procedures followed are not a suitable method for assessing a learner. The teaching-learning process need to be student-centric giving emphasis on participative and experiential learning.

2.3.1	2.3.1(a)	2.3.1(b)
	Participative Learning	Experiential Learning
1	Pi Approximation Day	Maths Fest
2	National Mathematics Day	Math Teacher Competition
3		International Conference



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#### PARTICIPATIVE LEARNING

## 1. Pi Approximation Day Celebration

Department of Mathematics, Christ College (Autonomous), Irinjalakuda celebrated  $\pi$  - approximation day on 27.07.2023 with the objective of motivating students to enjoy the beauty of Mathematics. The program commenced at 1.45 p.m. with the inspiring words of Dr. Seena V, HOD, Department of Mathematics, about the significance of observing the day. Two interdepartmental competitions, Math teacher competition and Pi sudoku game were conducted with active participation of the students. The events were conducted under the guidance of organizing committee consisting of mathematics department teachers; Ms. Tintumol Sunny, Dr. Shinto K G, Fr. Dr. Vincent N S, Dr. Joju K T, Ms. Soya Tony, Dr. Seena Varghese, Ms. Mary Pauly K, Ms. Christina P J, Ms. Gifty Thomas, Mr. Anand S and with proper assistance of student coordinators Ms. Athira Ranjeeth and Ms. Ashitha M M. The event came to an end by 4.00 p.m.

## **Programme Objectives:**

• To develop interest and love for Mathematics by involving students in conducting various mathematical competitions



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### **BROUCHURE**



### **PHOTOS**





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#### PARTICIPANTS LIST

CHRIST COLLEGE (AUTONOMOUS) IRINJALAKUDA

Department of Mathematics

# organises PI APPROXIMATION DAY COMPETITIONS

Attendance Sheet

Date : 27<sup>th</sup> July 2023 Venue : AB 32 Time : 1:45 pm

Name of the Program : PI Sudoku

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CHRIST COLLEGE (AUTONOMOUS) IRINJALAKUDA
Department of Mathematics
organises
PI APPROXIMATION DAY COMPETITIONS

Attendance Sheet

Date: 27<sup>th</sup> July 2023 Venue: AB 32 Time: 1:45 pm

Name of the Program : Math Teacher

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## 2. National Mathematics Day

The Department of Mathematics, Christ College (Autonomous), Irinjalakuda enthusiastically celebrated National Mathematics Day on December 21, 2023 at 10:00pm. The event was inaugurated by Shinto K G, the IQAC Coordinator, adding a significant touch to the occasion. A variety of engaging activities were organized, including interdepartmental games that showcased the participants' mathematical prowess. The event featured competitions such as Sudoku, Mathematical Calculator, 2048, Puzzle-solving, and Schultz Table, providing a platform for students to showcase their mathematical acumen. The celebration not only marked the significance of National Mathematics Day



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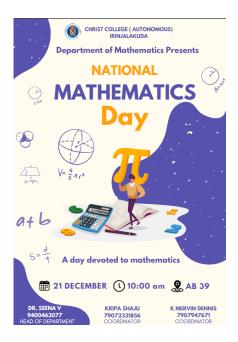
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but also served as a testament to the department's dedication to promoting a holistic and engaging approach to mathematics education.

## **Programme Objectives:**

• To develop interest and love for Mathematics among students of all streams by conducting various mathematical competitions





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#### **PHOTOS**





### **PARTICIPANTS LIST**

CHRIST COLLEGE (AUTONOMOUS), IRINJALAKUDA Department of Mathematics

Organises Inter-Departmental Competitions In association with NATIONAL MATHEMATICS DAY CELEBRATIONS Attendance Sheet

Date : 21st December, 2023 Time : 11:00 am

Venue: AB 39

Name of the Program: Sudoku

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CHRIST COLLEGE (AUTONOMOUS), IRINJALAKUDA Department of Mathematics Organises Inter-Departmental Competitions In association with NATIONAL MATHEMATICS DAY CELEBRATIONS Attendance Sheet

Date : 21<sup>st</sup> December, 2023 Time : 11:00 am Venue : AB 39 Name of the Program: **Sudoku** 

SI.No	Name	Class	Signat
t	Georgia Poulose	BSc Maths Idger	12
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3.	Amon Joseph Philip.	"	4-1-
4.	Neeraja . T.D	MSC mathe offer	News.
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6	Adorn Joe Bubby	BK Mathy 7840	A
7	Angel Mania Pius	Bsc Mathy 1stys	Augeli
8	Fawaz Ks	BBA 2nd yr	Four
9	Ishan Syriac	BSC Math 1styler	4
10	Anagha. M.S.	Bac Physics self	ABAGS
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21	Anger Joseph Philip	и	Auston.

Maths Puzzle

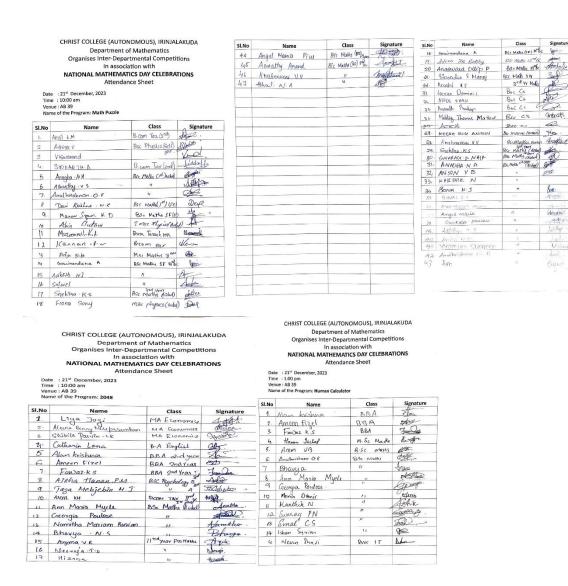


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## **Programme Attained Outcome:**

• Students organized, conducted and participated in various mathematical competitions with great enthusiasm.



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### **EXPERENTIAL LEARNING**

### 1. Maths Fest

The inauguration of Maths fest Epsilon 2.0 organized by department of mathematics (unaided ) was held on 16th January 2024.

After the inaugural meeting various competitions such as sudoku, powerpoint presentation, geometric art, kryptos, treasure hunt, etc took place in different venues under the supervision of student coordinators during the two days.

### **Programme Objectives:**

• To help students develop various skills in planning and organizing a fest.





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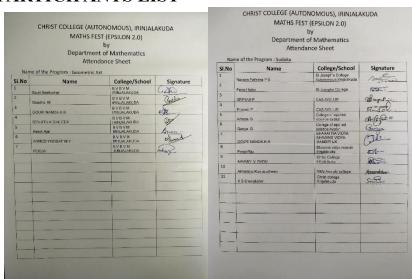
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### **PHOTOS**



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## **Programme Attained Outcome:**

 Students presented their papers with confidence as they were well prepared on the topic they presented



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## 2. Math Teacher Competition

As part of Pi Approximation Day celebration, Math Teacher competition was conducted on 27-07-2023 in which students of Mathematics department participated and presented various topics of mathematics.

## **Programme Objectives:**

• To help students develop presentation skills and get deeper into various areas of mathematics





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## **Programme Attained Outcome:**

• It helped the students showcase their teaching ability and to present topics with great confidence.



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### 3. International Conference

An International Conference on Graph Theory (ICGT 2024) was organized from 8<sup>th</sup> to 10<sup>th</sup> February 2024 at Fr.Jose Thekkan seminar hall. The conference was sponsored by Science and Engineering Research Board(SERB), Council of Scientific and Industrial Research (CSIR) and cosponsored by Kerala State Council for Science, Technology and Environment (KSCSTE). There were 10 invited talks and two paper presentation sessions. 70 participants attended the conference which included faculty, research scholars and students. The students of the department were actively involved in organizing and arranging various works related to the conference.

## **Programme Objectives:**

• To help students develop various skills in planning and organizing an International conference.







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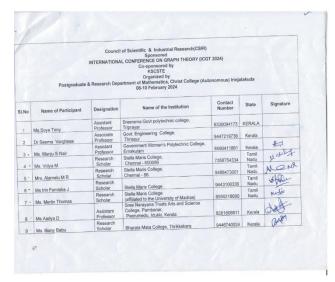
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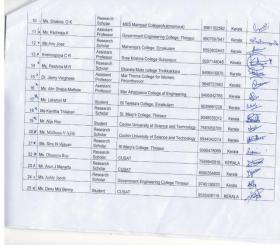
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## **Programme Attained Outcome:**

Students developed ideas of conducting an International Conference and the various works to be done before and during the conference. It also helped students to improve their managerial and organising skill.



PRINCIPAL

Fr. Dr. Jolly Andrews

Associate Professor In-Charge of Principal

Christ College (Autonomous)
Irinjalakuda