



## **EMEA COLLEGE OF ARTS AND SCIENCE, KONDOTTI**

Aided by Govt. of Kerala, Affiliated to University of Calicut  
Reaccredited with A Grade by NAAC

# **REPORT ON EXTENTION PROGRAMME**

**Double Main department of Mathematics and Physics**

**Date:19/02/2024**

**DEPARTMENT OF MATHEMATICS AND PHYSICS**  
EMEA COLLEGE OF ARTS AND SCIENCE, KONDOTTY



Re-accredited with 'A' Grade by NAAC



**EXTENSION PROGRAMME**

**UNLOCKING THE  
MYSTERIES OF SHAPES:**

**DIVE INTO AREA  
AND PERIMETER!**

Enlightening the nearby school students

2024 Feb. **19**  **AMUPS KUMMINIPARAMBA**

Coordinator: Suneena PD - 9961 443 040

## **Extension Programme Report: Unlocking the Mysteries of Shapes**

Double main Mathematics and Physics students of EMEA College have conducted an extension programme at AMUP School, Kumminiparamb on 19/2/24 on the Title, "Unlocking the Mysteries of Shapes: Dive into Area and Perimeter" for VIIth standard students. The sessions conducted by Second year double main mathematics and physics students.

**Overview:** The extension programme aimed to enlighten nearby school students on the fundamental concepts of area and perimeter through interactive sessions and practical demonstrations.

### **Activities:**

#### **1. Naseeha's Session:**

- Naseeha delivered a class on the basic concepts of area and perimeter of 2D shapes, utilizing charts for visual representation. This session aimed to provide a foundational understanding of geometric principles.

#### **2. Shamnu's Session:**

- Shamnu conducted a session on the Pythagorean theorem using a static model. Through this demonstration, students were introduced to the relationship between the sides of a right-angled triangle.

#### **3. Minha's Session:**

- Minha presented Bhaskara's proof of the Pythagorean theorem using a working model. This hands-on approach allowed students to explore the theorem's application in real-life scenarios.

#### **4. Group Activity:**

- Manal, Shibili, Mubashir, Rayan, Musfira, and Selva organized a group activity to reinforce learning outcomes and foster collaboration among participants. This activity encouraged students to apply their knowledge of area, perimeter, and the Pythagorean theorem in practical exercises.

### **Felicitation:**

- Suneena P. D., Assistant Professor in mathematics
- Nashath A., Assistant Professor in mathematics
- Jisha Teacher, teacher, amup school, kumminiparamb

**Vote of Thanks:** Conducted by Rayan

**Attendance:** 30 school students actively participated in the programme.

### **Objectives of the Programs:**

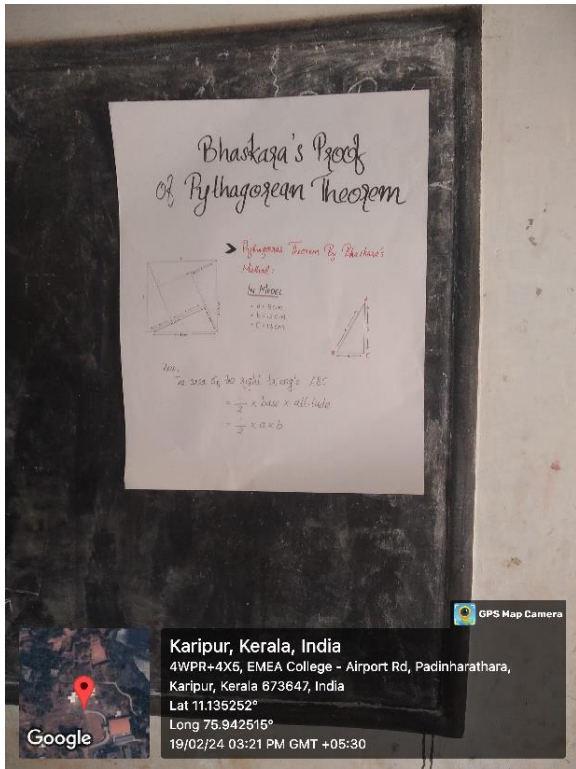
1. **Education Outreach:** To extend knowledge and expertise from college students to the community, fostering a culture of lifelong learning.
2. **Promoting STEM Education:** To inspire interest and curiosity in Science, Technology, Engineering, and Mathematics (STEM) subjects among school students.
3. **Hands-On Learning:** To provide interactive experiences that enhance understanding and retention of complex concepts, making learning enjoyable and memorable.
4. **Community Engagement:** To strengthen ties between educational institutions and the local community, promoting mutual collaboration and support in educational endeavors.
5. **Skill Development:** To cultivate leadership, communication, and organizational skills among college students through their involvement in planning and executing such extension programmes.

### **Outcome of the Programme:**

1. **Enhanced Understanding:** Participants gained a deeper understanding of geometric concepts such as area, perimeter, and the Pythagorean theorem through interactive sessions and hands-on activities.
2. **Increased Engagement:** The use of visual aids, practical demonstrations, and group activities kept students engaged and motivated throughout the programme.
3. **Skill Development:** Students developed problem-solving, critical thinking, and teamwork skills through collaborative learning experiences.
4. **Positive Feedback:** Feedback from both students and faculty indicated a positive impact on learning and interest in STEM subjects.







## Extension Programme.

Unlocking The mysteries of shapes.

19/2/24

AMUPS, Kominipasaraha

ST no:	Name of student	class	signature
1	Naskeha	2 <sup>nd</sup> DM	
2	Misha	2 <sup>nd</sup> DM	
3	Shamru	4 <sup>th</sup> DM	
4	Shibili	4 <sup>th</sup> DM	
5	Mubashir	2 <sup>nd</sup> DM	
6	Maral	4 <sup>th</sup> DM	
7	Rayyan shahir	4 <sup>th</sup> DM	
8	Selva MT	4 <sup>th</sup> DM	
9	Huda Safnah ET	4 <sup>th</sup> DM	
10	Ahnan KC	4 <sup>th</sup> DM	
11	Sameers sherni OP	4 <sup>th</sup> DM	
12	Fahma	4 <sup>th</sup> DM	
13	Jumana	4 <sup>th</sup> DM	
14	Mustirah	4 <sup>th</sup> DM	
15	Maanid Fidha	4 <sup>th</sup> DM	
16	Faathah sheeran	4 <sup>th</sup> DM	





# AMUPS KUMMINIPARAMBA

KUMMINIPARAMBA KONDOTTY SUB DIST, PIN: 673638

DATE 19-02-2024

**SUB: Recognition letter for extension programme**

Dear sir,

This is to express our sincere thanks and gratitude for conducting an extension programme for our students titled 'Unlocking the mysteries of shapes'. The programme is very much contributed to give an insight to the students in the field of area and perimeter of different shapes.

We are looking forward to hosting more programmes in future also

Thanking you

Yours sincerely



  
MANOJAN VALIAKANDIYIL  
PEN:597779  
HEADMASTER  
A.M.U.P.S KUMMINIPARAMBA