



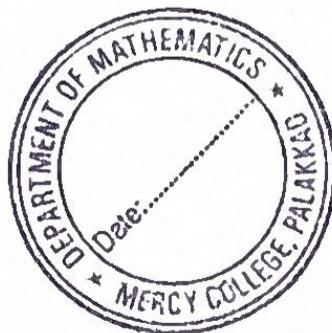
Mercy College
Palakkad, Kerala, India 678006
Govt. Aided Arts & Science College
Affiliated to the University of Calicut
Accredited by NAAC with A Grade IV Cycle

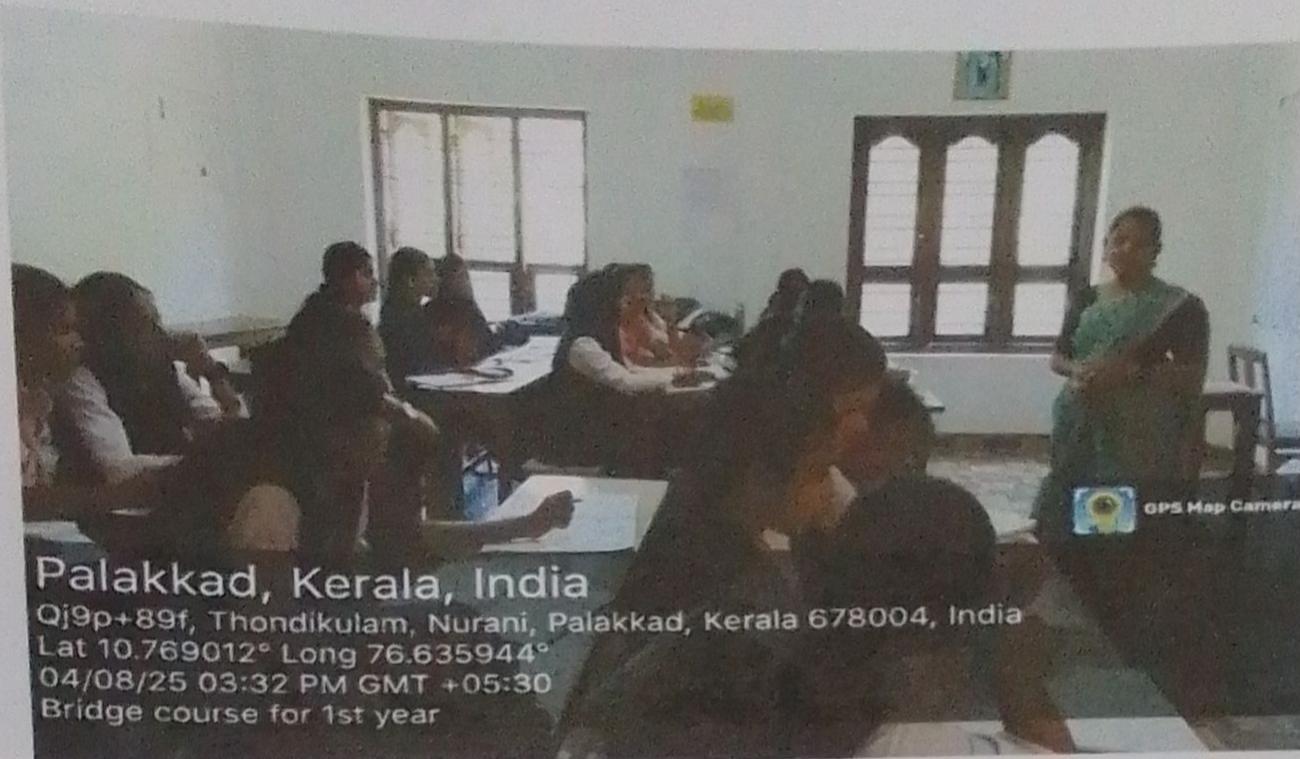
Bridge Course for UG Students

The Postgraduate Department of Mathematics & Statistics organized a Bridge Course for the first-year Undergraduate students with the objective of strengthening their foundational knowledge in Mathematics. The course aimed to ease the academic transition from higher secondary education to undergraduate-level Mathematics.

The sessions were handled by Ms. Madhunisha M, Assistant Professor (on contract), and Dr. Nithya A. A., Head of the Department of Mathematics, Mercy College, Palakkad. The resource persons delivered lectures on essential topics such as Sets, Functions, Limits, and Continuity, which are fundamental to the students' first-semester major course.

The course commenced on 21st July 2025 and concluded on 7th August 2025. Emphasis was laid on conceptual clarity and practical understanding through ample illustrative examples. This initiative successfully enhanced the students' confidence and prepared them for the rigorous curriculum ahead.





Palakkad, Kerala, India

Qj9p+89f, Thondikulam, Nurani, Palakkad, Kerala 678004, India

Lat 10.769012° Long 76.635944°

04/08/25 03:32 PM GMT +05:30

Bridge course for 1st year

Signature of Coordinator

Signature of H.O.D

Dr. NITHYA. A. A
Assistant Professor & Head
Department of Mathematics
Mercy College, Palakkad

Signature of Principal

PRINCIPAL
Mercy College, Palakkad-08

DEPARTMENT OF MATHEMATICS, MERCY COLLEGE, PALAKKAD

BRIDGE COURSE FOR UG

ATTENDANCE SHEET

SL:NO	NAME	DATE			
		21/1/25	25/1/25	30/1/25	4/2/25
1	Abhinaya.M			Abhinaya	Abhinaya
2	Abhisha.T.R.	Abhisha	Abhisha	Abhisha	Abhisha
3	Amritha.A	Amritha	Amritha	Amritha	Amritha
4	Andriya Dinse		Andriya	Andriya	Andriya
5	Anuka T.P	Anuka	Anuka	Anuka	Anuka
6	Anjanalakshmi.k	Anjana	Anjana	Anjana	Anjana
7	Anushka Rajan				
8	Ardra.K.S	Ardra	Ardra	Ardra	Ardra
9	Ardra.P				Ardra
10	Athira.V	Athira	Athira	Athira	Athira
11	Cathryn Antony	Cathryn	Cathryn	Cathryn	Cathryn
12	Devika - D	Devika	Devika	Devika	Devika
13	Evangelinemercury.A				
14	GIEETHU GI	Gieethu	Gieethu	Gieethu	Gieethu
15	Haseeba Nasrin.A	Haseeba	Haseeba	Haseeba	Haseeba
16	Nasra fathimapa	Nasra	Nasra	Nasra	Nasra
17	NUSHA AH	Nusha	Nusha	Nusha	Nusha
18	SANA NASRIN-PS		Sana	Sana	Sana
19					
20	SHIFA.MV				Shifa
21	Sowdabekhami.R	Sowda	Sowda	Sowda	Sowda
22					
23					

FUNDAMENTAL OF MATHEMATICS

(A Bridge Course for UG Students)

SYLLABUS

MODULE 1: SET THEORY

1.1: Definitions and examples.

1.2: Set Operations

1.3: Venn Diagram

1.4: Power set

1.5: Applications

MODULE 2: FUNCTIONS

2.1: Cross product

2.2: Relations

2.3: Functions (definition & examples)

2.4: Special functions

2.5: Graphing of functions

MODULE 3: LIMITS AND CONTINUITY

3.1: Limits (definition and examples)

3.2: Properties of limits

3.3: Continuity (definition and examples)

3.4: Applications of limits and continuity

Textbooks: 1. Calculus and Analytic Geometry, 9th Edition, George B. Thomas, Jr. Ross L. Finney.

2. Schaum's Outline of Set Theory and Related Topics, 2nd Edition, Seymour Lipschutz.