

- Department of Mathematics organises workshop on Foundations of Mathematical Analysis

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BISHOP MOORE COLLEGE, MAVELIKARA
Workshop on Foundations of Mathematical Analysis

28-30 JUNE 2021

Day 1 - 28 - 06 - 2021

Time- 2.30 P.M



Dr. Reji T
Associate Professor
Govt. College, Chittur

Talk - 1

"An Introduction to Mathematical Analysis"

Time - 4.30 P.M



Ms. Linet Roslin Antony
Assistant Professor
S.H College, Chalakudy

Talk - 2

"Sets and Functions"

Reji T is presenting

Foundations of Real Analysis. Calculus

$\mathbb{R} = \text{Rationals} \cup \text{Irrationals}$

In-call messages

SHILPA G KRISHNAN 2:51 PM
Thank you so much sir

Yogesh Prasad 2:52 PM
Thank You sir...

Anuja Anil 2:52 PM
Thankyou sir

Athira G H 2:54 PM
Thank u so much sir

Athira G H 2:57 PM
5th sem sir

blessey ann chacko 2:57 PM
Ok sir

Athira G H 2:57 PM
Ok sir

Yes sir

Send a message to everyone

2:58 PM | bzu-kkay-ktw

Turn on microphone (ctrl + d)

Type here to search

30°C

14:58
28-06-2021

Ranjith Mathew Abraham

Ancy Oommen

Dr Jacob Chandiy

Reji T

simili abraham

LEKSHMI MADHU

69 others

You

Turn on camera (ctrl + e)

2:52 PM | bzu-kkay-ktw

Type here to search

30°C

14:52
28-06-2021

People

In call

Anjli Susan Ninan (You)

ABHIRAMI A

Abhirami P J

AISHWARYA A

Aiswarya B

Akhil Gangadharan

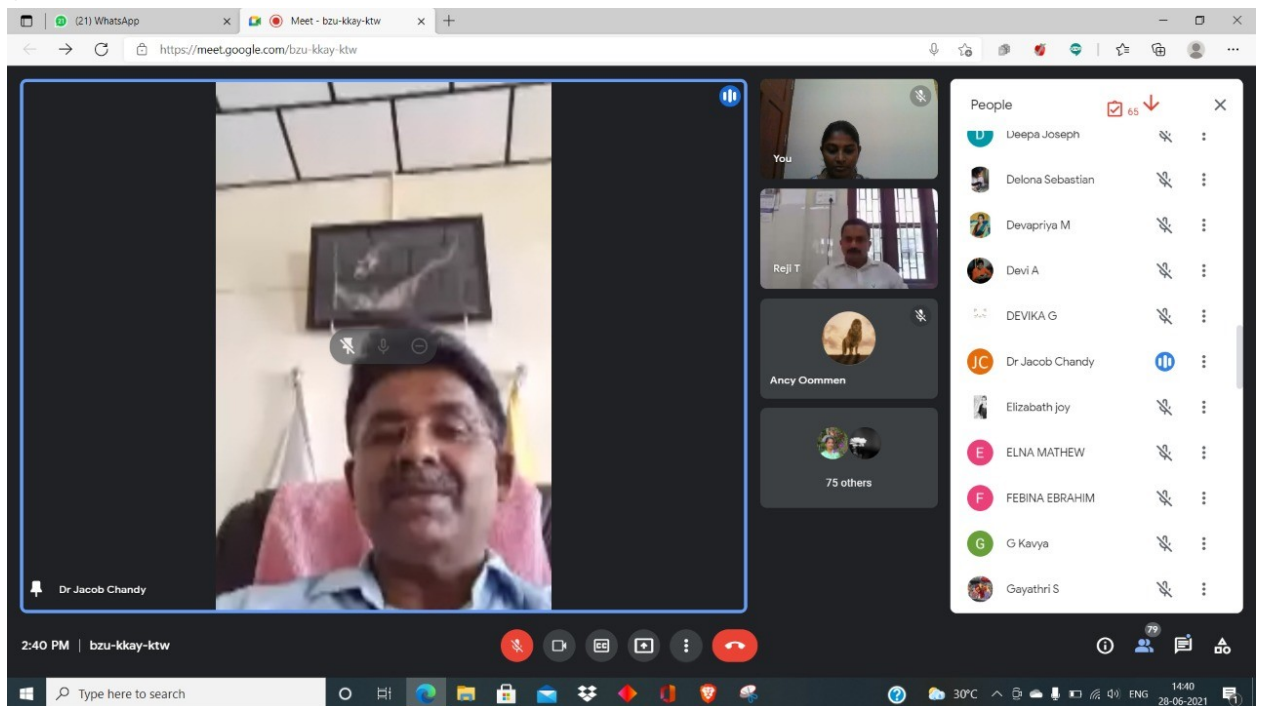
Aksha Mariam Sam

AKSHAY NARAYAN 18

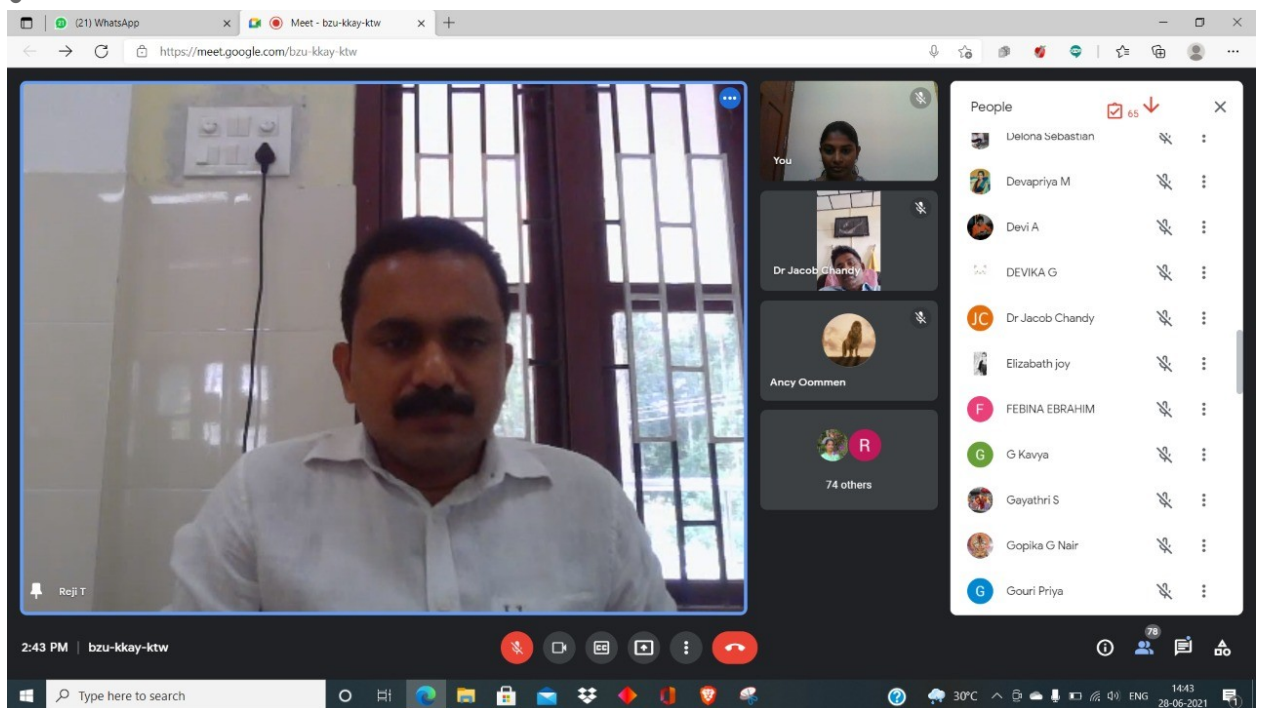
Alena Clare Sebastian

Amala Ann Mathew

Google Meet interface showing a video call in progress. The main window displays Dr. Jacob Chandy. The right sidebar shows a list of participants, including Deepa Joseph, Delona Sebastian, Devapriya M, Devi A, DEVIKA G, Dr. Jacob Chandy, Elizabeth Joy, ELNA MATHEW, FEBINA EBRAHIM, G Kavya, and Gayathri S. The bottom status bar indicates the time is 2:40 PM and the meeting ID is bzu-kkay-ktw.



Google Meet interface showing a video call in progress. The main window displays Reji T. The right sidebar shows a list of participants, including Delona Sebastian, Devapriya M, Devi A, DEVIKA G, Dr. Jacob Chandy, Elizabeth Joy, FEBINA EBRAHIM, G Kavya, Gayathri S, Gopika G Nair, and Gouri Priya. The bottom status bar indicates the time is 2:43 PM and the meeting ID is bzu-kkay-ktw.



Meeting interface for "bzu-kkay-ktw". The screen shows a grid of participant video feeds and a list of participants on the right.

Participants (Grid):

- Rosamma Joseph, Dr Jacob Chandy, Ancy Oommen, LEKSHMI MADHU, simili abraham, Reji T
- Legy Kurian, Gayathri S, Anuja Anil, Shilpa R Prasad, Devapriya M, ABHIRAMI A
- Najma R, ATHIRA PREETHI, Raji R Nath, Aswathy R, Bhagyasree, AKSHAY NARAYAN 18
- Reshma Ramesan, Ranjith Mathew Abrah..., Vidhya Viswanathan, Clair Tom, Aksha Mariam Sam, MB 10.SRUTHI P UNNIK...
- Shobal Jiju, ANGEL GRACY GEORGE, Elizabeth joy, sruthi susan george, 45 others, You

Participants (List):

- Deepta Joseph
- Delona Sebastian
- Devapriya M
- Devi A
- DEVIKA G
- Dr Jacob Chandy
- Elizabeth joy
- ELNA MATHEW
- FEBINA EBRAHIM
- G Kavya
- Gayathri S

Meeting details: 2:38 PM | bzu-kkay-ktw

Meeting interface for "svg-usvs-moe". The screen shows a presentation slide titled "VISUALIZING CALCULUS" and a list of participants on the right.

Presentation Slide:

VISUALIZING CALCULUS

Limit, Continuity and differentiability

\Rightarrow

$\lim_{x \rightarrow c} f(x) = L$

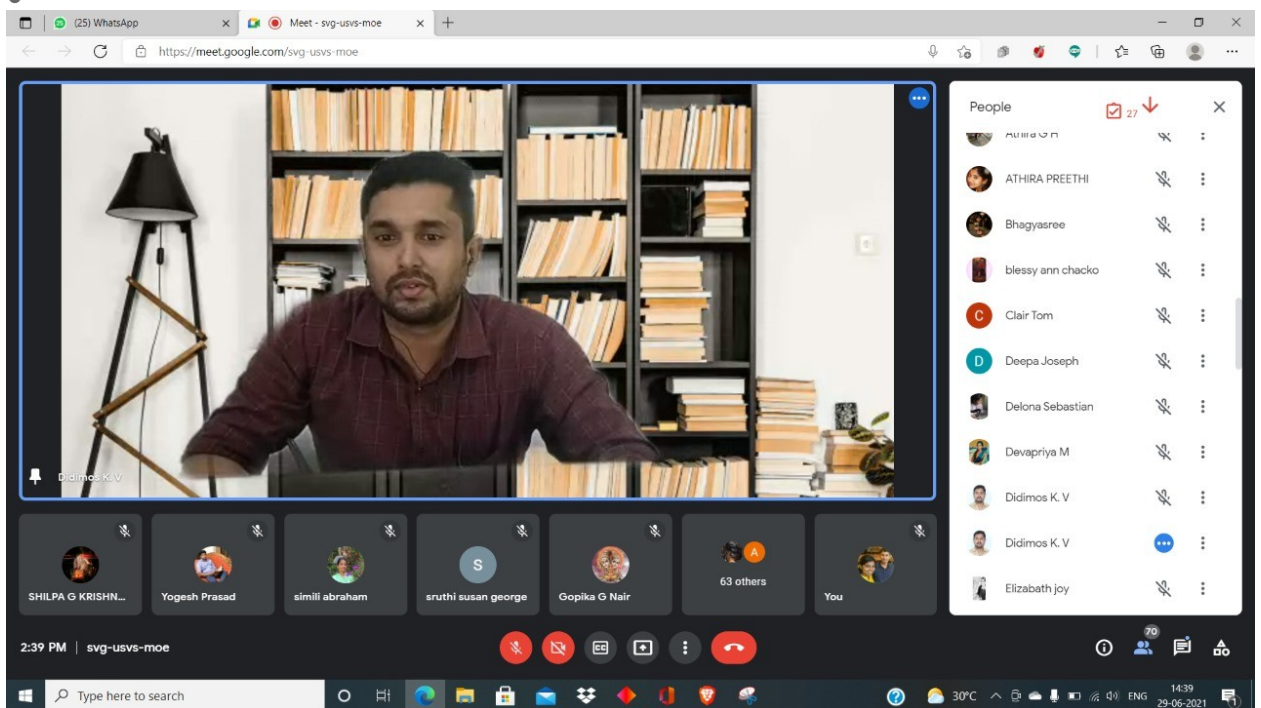
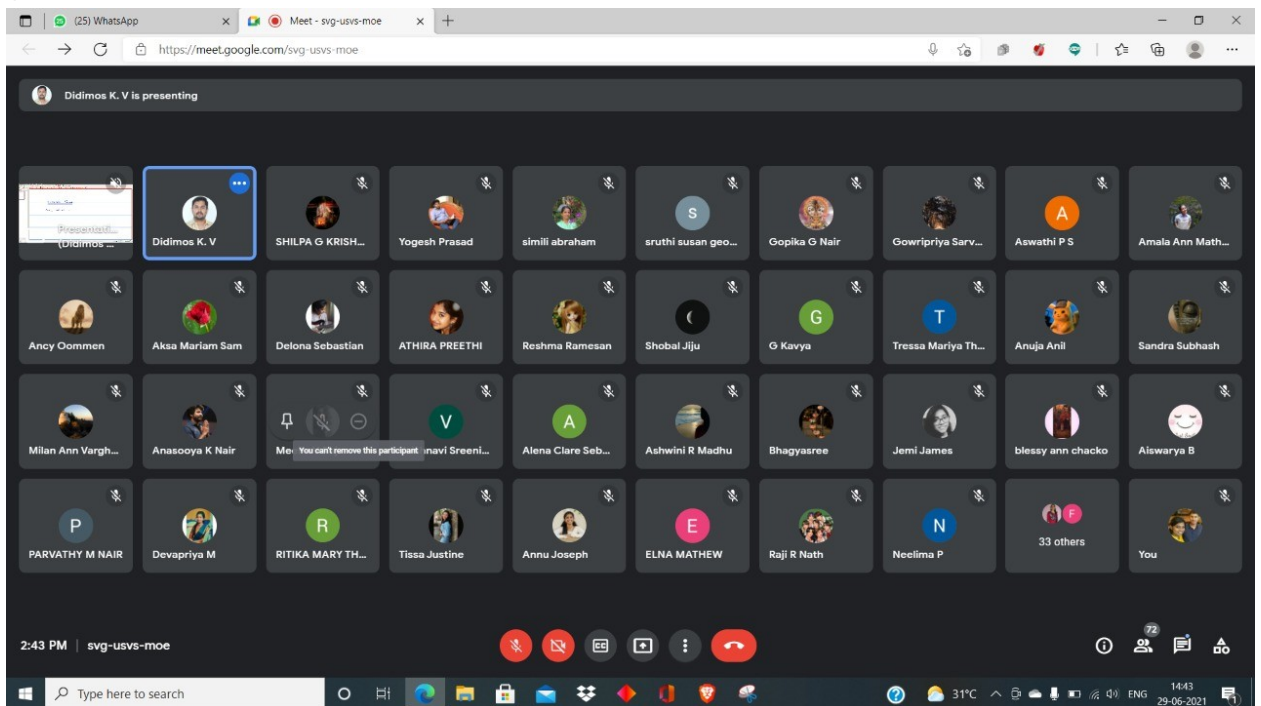
Diagrams:

- A graph of a function $f(x)$ with a jump discontinuity at $x=c$. The function approaches a value L as x approaches c from the left, but there is a jump at $x=c$.
- A graph of a function $f(x)$ with a removable discontinuity at $x=c$. The function approaches a value L as x approaches c from both sides, but there is a hole at $x=c$.

Participants (List):

- Didimos K. V
- SHILPA G KRISHNAN
- Yogesh Prasad
- simili abraham
- sruthi susan george
- Gopika G Nair
- 66 others
- You

Meeting details: 2:49 PM | svg-usvs-moe



BISHOP MOORE COLLEGE, MAVELIKARA

Workshop on Foundations of Mathematical Analysis

28 - 30 June 2021

Day 2 - 29 - 06 - 2021

Time - 2.30 P.M



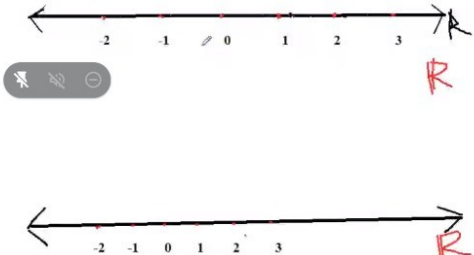
**Dr. Didimos K V
Assistant Professor
Sacred Heart College
Ernakulam**

Talk 3 - Visualizing Calculus

Thomas Mathew is presenting

REAL SEQUENCES

SEQUENCES : FUNCTIONS FROM \mathbb{N} TO \mathbb{R}



4:37 PM | vqv-uzdc-xof

Liju Alex is presenting

INTRODUCTION TO LIMITS

- Motivation
- What is limits \rightarrow function
- How can find it?

2:39 PM | vqv-uzdc-xof

People

In call

Name	Status
Anjali Susan Ninan (You)	🔇
ABHIRAMI A	🔇
Abhirami P J	🔇
Akhil Gangadharan	🔇
Aksha Mariam Sam	🔇
AKSHAY NARAYAN 18	🔇
Alena Clare Sebastian	🔇
Amala Ann Mathew	🔇
Anandhalakshmi	🔇
Anasooya K Nair	🔇

BISHOP MOORE COLLEGE, MAVELIKARA
Workshop on Foundations of Mathematical Analysis

28-30 JUNE 2021

Day 3 - 30 - 06- 2021

Time- 2.30 P.M



Mr. Liju Alex
Assistant Professor
BCM College, Kottayam

Talk - 1
"Introduction to Limits"

Time - 4.30 P.M



Mr. Thomas Mathew
Assistant Professor
St. Thomas College, Kozhancherry

Talk - 2
"Real Sequences"

Browser tabs: (25) WhatsApp, Meet - vqv-uzdc-xof, Joseph Fourier - Bing

Address bar: <https://meet.google.com/vqv-uzdc-xof>

Video call interface:

- Participant: Liju Alex
- Time: 2:36 PM | vqv-uzdc-xof
- People list (62 total):
 - In call:
 - Anjli Susan Ninan (You)
 - ABHIRAMI A
 - Abhirami P J
 - Akhil Gangadharan
 - Aksha Mariam Sam
 - AKSHAY NARAYAN 18
 - Alena Clare Sebastian
 - Amala Ann Mathew
 - Anandhalakshmi
 - Anasooya K Nair

Windows taskbar: Type here to search, 36°C, 14:36, 30-06-2021

Browser tabs: (25) WhatsApp, Meet - vqv-uzdc-xof, 2021_06_17 8:44 am Office Lens

Address bar: <https://meet.google.com/vqv-uzdc-xof>

Video call interface:

- Participant: Thomas Mathew (presenting)
- Time: 4:37 PM | vqv-uzdc-xof
- People list (59 others visible):
 - You
 - blessy ann chacko

Windows taskbar: Type here to search, 37°C, 16:37, 30-06-2021

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BISHOP MOORE COLLEGE, MAVELIKARA

Department of Mathematics Workshop on Foundations of Mathematical Analysis Report

On behalf of Department of Mathematics, Bishop Moore College, Mavelikara, a Three day online Workshop on Foundations of Mathematical Analysis was organized for B.Sc. third year students from 28th to 30th June 2021. The workshop was handled by eminent college teachers in Kerala. Nearly 80 students from different colleges registered and actively participated in the workshop.

Inauguration

The inaugural ceremony was conducted on *28th June 2021*. Dr. Jacob Chandy sir, Principal of Bishop Moore College, preside the meeting and Dr. Renjith Mathew Abraham sir, Vice Principal, felicitate the event. Dr. Reji T. Associate Professor, Govt. College, Chittur, inaugurates the session.

Talks

In total there are 5 talks based on the Fundamental topics of Mathematical Analysis.

Talk 1- Dr. Reji T. Associate Professor, Govt. College Chittur (An Introduction to Mathematical Analysis)*

Talk-2- Ms. Linet Roslin Antony, Assistant Professor, S.H. College Chalakudy (Sets and Functions)*

Talk-3- Dr. Didimos K.V. Assistant Professor, Sacred Heart College, Ernakulam (Visualising Calculus)*

Talk-4- Mr. Liju Alex, Assistant Professor, BCM College Kottayam (Introduction to Limits)*

Talk-5- Mr. Thomas Mathew, Assistant Professor, St. Thomas College Kozhancherry (Sequence of Real Numbers)*