

DEPARTMENT OF MATHEMATICS

ACTIVITY REPORT 2020 – 2021

Platinum Jubilee Webinar Series:

The First Women's College of Thrissur district, St. Mary's College, was established in the heart of Thrissur town in 1946. This year we celebrate the 75th Jubilee Year (1946 – 2021) of our Alma Mater. As a part of the Platinum Jubilee Celebrations, the Post Graduate and Research Department of Mathematics organized a Webinar Series in online mode. We conducted 4 such virtual lectures. The details are given below:

LECTURE 1: INTRODUCTION TO FRACTIONAL CALCULUS

The Department of Mathematics, St. Mary's College, Thrissur organized a Webinar on the topic “**Introduction to Fractional Calculus**” on 3rd August 2020 from 10.30 am to 12.00 pm. **Dr Vijitha Mukundan**, Assistant Professor, Department of Mathematics, Sacred Heart College, Chalakudy was the resource person. About 276 participants registered for the webinar. E certificates were issued to 246 participants at the end of the webinar. State wise distribution of participants is given below:

	Number of Participants
St Marys College	71
Other colleges in Kerala	196
Other States	9
TOTAL	276

The Research & Post Graduate
Department of Mathematics,
St. Mary's College, Thrissur
organizes



WEBINAR SERIES :

**Lecture 1: Introduction to
FRACTIONAL
CALCULUS**

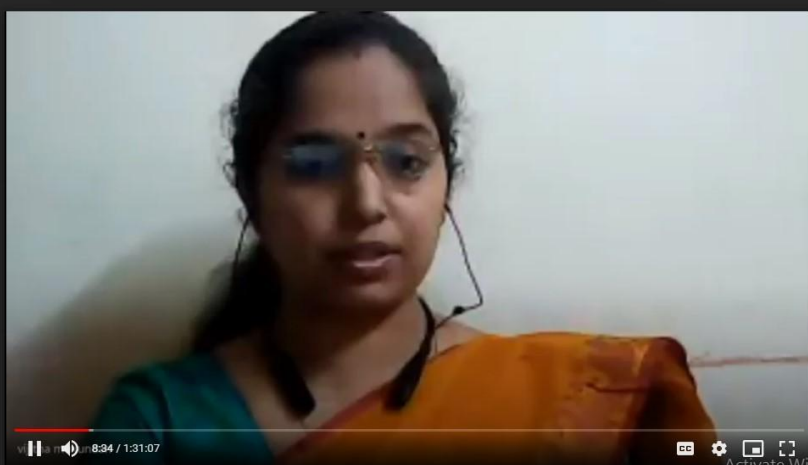
DATE: 3 AUGUST 2020
TIME : 10 . 30 am - 12 . 00 pm



Resource Person:
Dr. Vijitha Mukundan
Asst. Professor
Dept. of Mathematics
SH College, Chalakudy

lecture 1 - Google Drive

drive.google.com/drive/u/1/folders/1vL3CTSIAeSNHeOI635zRdFCTyOMnJHg



8:34 / 1:31:07


Fractional Calculus.pdf Feedback form (Responses) Feedback form

Activate Windows
Go to PC settings to activate Windows.


1:29 AM

LECTURE 2: ON SOME DISTANCE RELATED PROBLEMS IN GRAPH THEORY

The Department of Mathematics, St. Mary's College, Thrissur organized a Webinar on the topic “On Some Distance Related Problems in Graph Theory” on 27th August 2020 from 11.30 am to 1.00 pm. **Dr Pravas K**, Assistant Professor, Department of Mathematics, KKTU Government College, Pullut was the resource person.




St. Mary's College, Thrissur
THE RESEARCH & POST GRADUATE
DEPARTMENT OF MATHEMATICS



ORGANIZES

Platinum Jubilee Webinar Series


Lecture 2: On Some Distance
Related Problems In Graph Theory

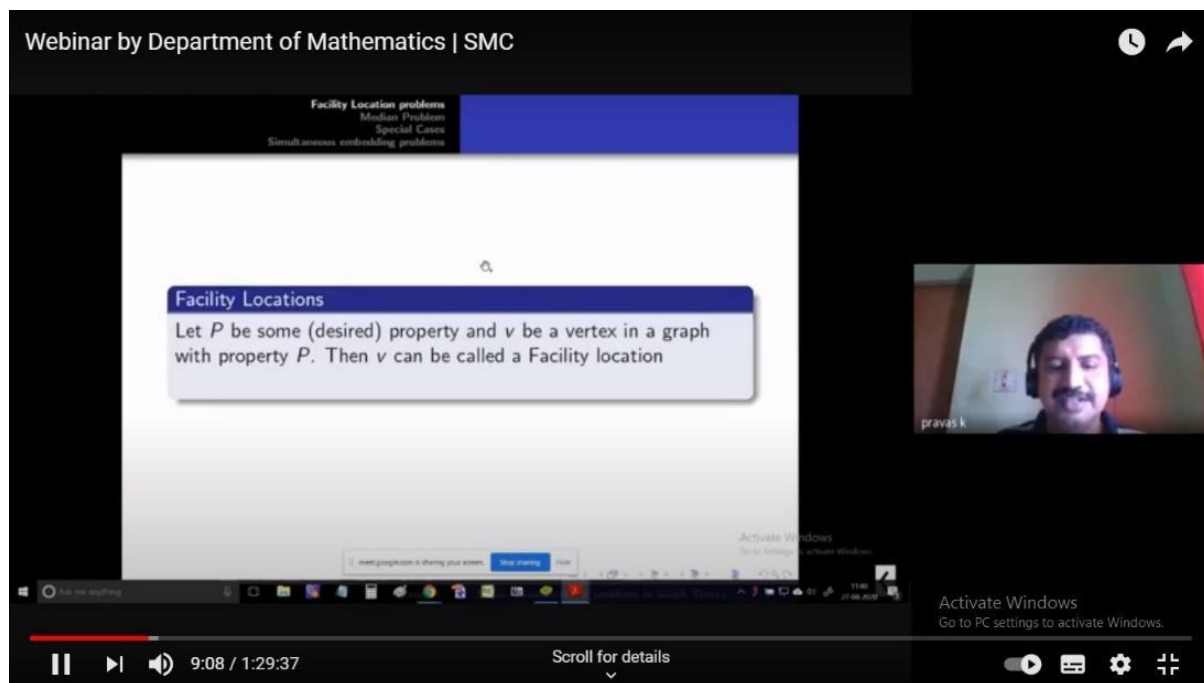


RESOURCE PERSON:
DR. PRAVAS K
ASSISTANT PROFESSOR
DEPARTMENT OF MATHEMATICS
KKTU GOVT. COLLEGE, PULLUT

Date:
27 AUGUST 2020
Time:
11: 30 am - 1:00 pm

COORDINATOR:
SMT. SOWMYA K
9995306999







LECTURE 3: AN EXCURSION THROUGH GRAPH THEORY

The Post - Graduate and Research Department of Mathematics organized a National Webinar in association with Platinum Jubilee Webinar Series on the topic **An Excursion through Graph Theory (Lecture 3)** on **17th December 2020** from 11.00 am to 12.30 pm. **Dr Sudev Naduvath**, Associate Professor, Dept. of Mathematics, CHRIST (Deemed to be University), Bangalore was the resource person. About 165 participants registered for the webinar coordinated by Dr. Sr. Smitha Rose C G, Assistant Professor, Department of Mathematics, St. Mary's College, Thrissur. State wise distribution of participants is given below

	Number of Participants
St Marys College	30
Other colleges in Kerala	114
Other States	21
TOTAL	165


 **St. Mary's College, Thrissur**
Post Graduate and Research
Department of Mathematics

organises

 **75th**
JUBILEE YEAR


Platinum Jubilee Webinar Series

**LECTURE 3: AN EXCURSION
THROUGH
GRAPH THEORY**



DATE: 17 DECEMBER 2020
TIME : 11.00 AM - 12.30 PM

Resource Person:
Dr. Sudev Naduvath
Associate Professor
CHRIST
Deemed to be University
BANGALORE



CO ORDINATOR
Dr. Sr. Smitha Rose C G
9742907135

REC  Sudev N K Mathematics is presenting

Seven Bridge Problem  **CHRIST**
Christ University, Bangalore, India.



Here, we have to find a path/track which covers every bridge exactly once.

15:52 / 1:38:05 An Excursion through Graph Theory

Day Celebrations:

1. RAMANUJAN DAY

As part of Ramanujan Day celebrations Department of Mathematics organized a virtual invited talk on “Life and Works of Srinivasa Ramanujan” on 30/12/2020. Dr Indulal G, Associate Professor, Dept. of Mathematics, St. Aloysius College, Edathuva was the resource person.

St. Mary's College, Thrissur
Post Graduate & Research
Department of Mathematics

**RAMANUJAN DAY
CELEBRATIONS
30 DEC 2020
2 - 3:15 PM**

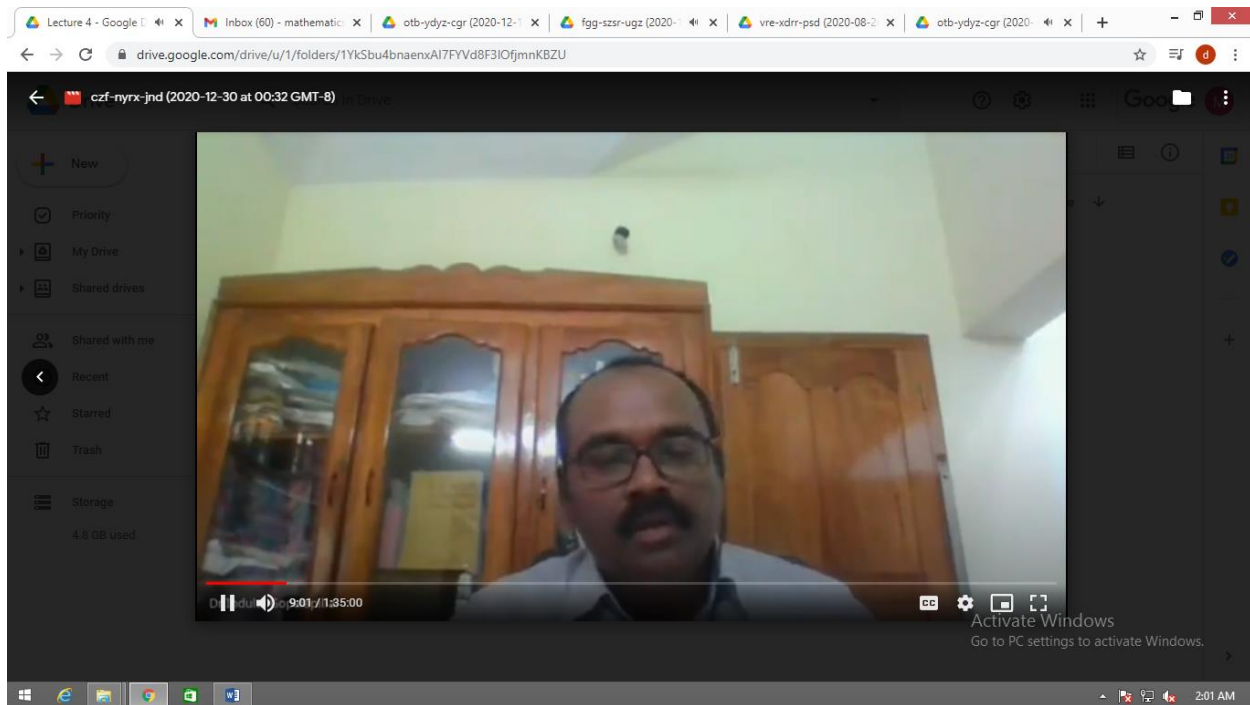
*Virtual Invited Talk on
Life and Works of
Srinivasa Ramanujan*

BY



DR. INDULAL G
ASSOCIATE PROFESSOR
DEPT. OF MATHEMATICS
ST. ALOYSIUS COLLEGE
EDATHUVA

*Platform :
Google Meet*



2. INTERNATIONAL WOMEN'S DAY

As part of Women's Day celebration the Department of Mathematics organized a virtual invited talk on "Women and Law" by Dr. Davis Panadan Varghese , Principal, Christ Academy Institute of Law on 25/03/2021.



WOMEN & LAW

3. PI DAY

As part of Pi Day celebrations, the Department of Mathematics organized a virtual invited talk on “Catalan Numbers” by Dr. Neeraj Kumar, Assistant Professor, IIT Hyderabad on 29/03/2021.

St. Mary's College, Thrissur
(Accredited A Grade by NAAC)
The Research & Post- Graduate
Department of Mathematics
is organising 3.1415926
AN INVITED TALK
on the topic
CATALAN NUMBERS
in connection with Pi - Day Celebrations - 2021
 $\pi = 3.14$
DATE: 29 MARCH 2021
TIME: 9.30 to 10.45 am
Resource Person:
Dr. Neeraj Kumar
Assistant Professor
Department of Mathematics
IIT Hyderabad
@Google Meet

9:48 AM Mon 29 Mar

How many such paths are there?

6 steps
 $\{E, E, E, N, N, N\}$
 $\binom{6}{3}$

$N \uparrow$ unit step $(0, 1)$
 $E \rightarrow$ unit step $(1, 0)$

$(0, 0)$ $(3, 3)$ (m, n)

Video player controls: 22:31 / 1:18:40