

24.12.2021

### **Programme Report**

**Name of the Programme: International Webinar "How do Mathematicians Contribute to the Society"**

**Date: 24<sup>th</sup> December 2021**

As a part of National Mathematics Day celebration, department organized international webinar "How do Mathematicians Contribute to the Society" on 24<sup>th</sup> December 2021. Dr. Gayathri Varma, Adjunct Instructor, Department of Mathematics, University of South Carolina, USA, engaged the class through google meet. All the BSc Mathematics students benefitted the session.

# DEPARTMENT OF MATHEMATICS

CO-OPERATIVE ARTS AND SCIENCE COLLEGE, MADAYI

Payangadi R.S. (PO), Kannur, Kerala-670358. E-mail: [mathscascmadayi@gmail.com](mailto:mathscascmadayi@gmail.com)



## Department of Mathematics Co-operative Arts and Science College, Madayi

Payangadi RS (PO), Kannur, Kerala

Aided by Govt. of Kerala & Affiliated to Kannur University

*Organizes*

*International Webinar on*

## ***How do Mathematicians Contribute to the Society?***

*Speaker*



**Dr. Gayathri Varma**

Adjunct Instructor

Department of Mathematics

University of South Carolina

USA

**24 December 2021**

**5.30 pm - 7 pm**

**via Google meet**

*For further updates join our Whatsapp group:*

<https://chat.whatsapp.com/HeMVUOtLnJ073ZzGFUIDQz>

### **Co-ordinators:**

Dr. Shijina. V ( Head of the Department)

Sruthi Chundakkaran (Assistant Professor)

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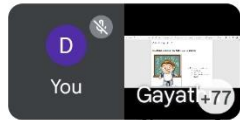
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About this call

People

Information

- M Abhin
- Manjima pp
- Mufeeda
- Name:Akhil.k Bsc maths
- Namitha Narayanan
- NANDANA TV
- Nandanakrishna
- Nandhana Prakashan
- Nasih Ahammed
- NIDHINA KAVINKAL
- Nitha Narayanan
- Nooh Mp
- pravas k
- rejina p.v
- RESHMA E



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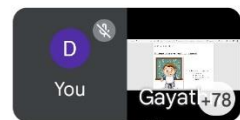
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About this call

People

Information

- Sheena Kaitherikandy pu...
- Sija Rajesh
- Sooryajith
- Sraddha Thamban
- Sreegaya Sree
- Sreerag
- Sruthi Ppn
- Suresh E V
- Theressa Somichan
- VAISHNAVI T P
- Vishnu K
- Vishnupriya kv
- Vyshnav Pk
- Yadhu Krishnan
- ziba sherin



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Medical Imaging and Radon Transforms

- **Medical imaging** is about taking pictures and seeing inside of the human body without incisions or having to cut it to see what is inside.
- Ultrasound, Computerized Axial Tomography (CAT aka CT), Magnetic Resonance Imaging (MRI), Positron Emission Tomography (PET) are a few of the medical imaging techniques.
- Sophisticated machines like CT scanners produce 3-dimensional images of organs inside the body.
- How do they work?


Gayathri is presenting

Gayat... Anjana VAISH...

You RESH... N= 61 others

Call, Video, Mute, More

James Clark Maxwell


$$\begin{aligned} \nabla \times \mathbf{E} &= -\frac{\partial \mathbf{B}}{\partial t} - \mathbf{M}, & \nabla \times \mathbf{H} &= \frac{\partial \mathbf{D}}{\partial t} + \mathbf{J}, \\ \nabla \cdot \mathbf{D} &= \rho, & \nabla \cdot \mathbf{B} &= 0. \end{aligned}$$

- Mathematically unified the three subjects of electricity, magnetism and optics

Gayathri is presenting

Gayathri Anjana VAISHNAVI

You RESHMA N= 66 others

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