

**SRI VENKATESWARA COLLEGE OF ENGINEERING (SVCE)  
PENNALUR, SRIPERUMBUDUR-602117  
(An Autonomous Institution)**

**DEPARTMENT OF INFORMATION TECHNOLOGY**

**WEBINAR REPORT ON IMPORTANCE OF MATHEMATICS IN ENGINEERING - A BIRD'S  
EYE VIEW**

**SPEAKER: Dr.T.N.Shanmugam, Former Professor , Department of Mathematics, Anna  
University, Chennai.**

**Dates: 29/04/2021 (Online mode)**

**Time: 10.30 AM TO 12.00 PM**

**Objectives**

The main objective of the webinar is to gain knowledge on how mathematics is important in different domains. To highlight the importance of mathematics in engineering. Also, to understand the importance of mathematical models in various research domains.

**About the programme**

About 160 participants attended the webinar out of which 15 faculty from SVCE participated in the programme. The programme highlighted how mathematics is applied in different domains. Dr.T.N.Shanmugam, the former professor, Department of Mathematics, Anna University delivered the session. He highlighted wonders of the mathematical world, mathematics in the movement of ant, mathematics of shock absorbers, mathematics in cricket, mathematics behind the caller ID in a mobile phone. The session last for about one and a half hours. Finally, he highlighted the importance of mathematics in network security, mathematics behind cryptography and steganography. Also, he highlighted the mathematics involved in covid 19 spread inside a body through a nose.

**Benefits**

Participants were benefited and gained knowledge on,

1. Faculty and the students were exposed to the importance of mathematics in engineering.
2. Faculty and the students gained knowledge on how mathematics is applied in different research fields.

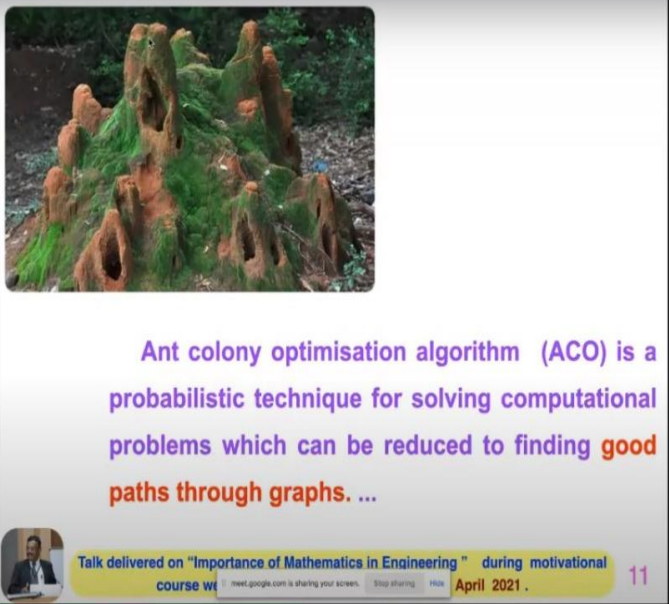
**COORDINATORS**

Ms.D.Jayanthi, Assistant Prof. , Dept. of Information Technology, SVCE.

Mr. V.Rajaram, Assitant Prof., Dept. of Information Technology, SVCE.

**PHOTOS**

Importance of Mathematics in Engineering- A Bird's eye view (2021-04-28 at 21:59 GMT-7)



Ant colony optimisation algorithm (ACO) is a probabilistic technique for solving computational problems which can be reduced to finding good paths through graphs. ...


Talk delivered on "Importance of Mathematics in Engineering" during motivational course wt April 2021 . 11

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Tirunelveli Nellaippan Shanmugam

Importance of Mathematics in Engineering- A Bird's eye view (2021-04-28 at 21:59 GMT-7)



**My thanks to**  
**Dr. V. Vidya , Professor & Head**  
**Ms. D. Jayanthi, Asst. Professor**  
**of the IT Department**  
**And**  
**Prof. A. Gangadharan ,**  
**My Mathematics teacher and**  
**former HOD of Mathematics**  
**Sri Venkateswara College of Engineering, Pennaththur**  
**For the invitation extended to speak before you**

Talk delivered on "Importance of Mathematics in Engineering" during motivational course wt April 2021 . 3

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Tirunelveli Nellaippan Shanmugam