

**SRI VENKATESWARA COLLEGE OF ENGINEERING  
PENNALUR, SRIPERUMBUDUR-602117**

**IETE, Chennai Centre**  
**Event reporting for IETE Newsletter**  
**(on 03/04/2023 to 07/04/2023)**

<b>Event Name</b>	Five days Webinar Series on various facets of technology “A PEEK INTO THE LEADING EDGE”
<b>Centre (name)</b>	<b>IETE, Chennai Centre</b>
<b>Venue (College/Institute)</b>	Sri Venkateswara College of Engineering, Sriperumbudur
<b>Date &amp; Time</b>	03rd April, 2023 : SESSION 1 - 06.30 PM – 7:30 PM 04th April, 2023 : SESSION 2 - 06.30 PM – 7:30 PM 05th April, 2023 : SESSION 3 - 06.30 PM – 7:30 PM 06th April, 2023 : SESSION 4 - 06.30 PM – 7:30 PM 07th April, 2023 : SESSION 5 - 10.00 AM - 11.00 AM
<b>Chief Guest</b>	<b>SESSION 1:</b> Dr. Naveen Raj R (Alumni-SVCE) Assistant Professor, Department of Mechanical Engineering National Institute of Technology Puducherry. <b>SESSION 2:</b> Ms.Lianne Johnson, Research Scholar, Rice University in Houston, Texas (USA) <b>SESSION 3:</b> Dr.G.Elangovann Department of Data Science And Business Systems, SRM University, Kattankulathur - Chennai <b>SESSION 4:</b> Dr. M. Bindhu Associate Professor Department of ECE Sri Venkateswara College of Engineering, Sriperumbudhur <b>SESSION 5:</b> Dr. T. Ruso, Project Manager Cognizant Technology Solutions ,Chennai.
<b>Topic of Chief Guest Speech &amp; Highlights (Max.25 words)</b>	SESSION 1: Mathematics for Machine Learning SESSION 2: Surgical Skills Training using Haptics in Virtual Reality SESSION 3: Data Science & Analysis SESSION 4: Long Term Evolution Standards towards 5G Communication SESSION 5: Deep learning implementation using Tensorflow
<b>Important dignitaries attended</b>	1.Dr.S.Muthukumar ,Head of the Department/ECE, Sri Venkateswara College of Engineering, India. 2. Dr. M. Bindhu-Associate Professor/ECE 3.Dr.Kavitha M , Assistant Professor –ECE 4. Mr.K.Ragupathi, Assistant Professor –ECE 5. Mr.D. Silambarasan, Assistant Professor –ECE 6. Mr.L.K.Balaji Vignesh, Assistant Professor –ECE
<b>Brief Report (with Two photo graphs)</b>	The Department of Electronics and Communication Engineering, Sri Venkateswara College of Engineering organized a webinar on on various facets of technology “A PEEK INTO THE LEADING EDGE” by Dr. Naveen Raj R (Alumni-SVCE), Assistant Professor, Department of Mechanical Engineering, National Institute of Technology Puducherry,



Ms.Lianne Johnson, Research Scholar, Rice University in Houston, Texas (USA), Dr.G.Elangovann Department of Data Science And Business Systems, SRM University, Kattankulathur – Chennai, Dr. M. Bindhu Associate Professor Department of ECE Sri Venkateswara College of Engineering, Sriperumbudhur and Dr. T. Ruso, Project Manager Cognizant Technology Solutions , Chennai.. The Chief Guest was introduced to the gatherings by II year students. The Chief guests preside over the function and delivered the technical talk on the recent advancements in industries. The first session commenced at 06:30 PM on 3/04/2023 (Monday). Speaker briefed the session with the following Points which includes the challenges in drafting a Machine learning algorithm.. Session enabled on how providers to leverage the latest technologies — including Deep Learning (DL), machine learning (ML)— to generate unprecedented insight and allow smarter, faster the algorithms can be computed.

**Photographs (Max. 3) with short captions ( Resolution : 300 dpi, format: jpg)**

**Sri Venkateswara College of Engineering**  
AN AUTONOMOUS INSTITUTION - AFFILIATED TO ANNA UNIVERSITY PENNALAR, SRIPERUMBUDUR TK, TAMIL NADU - 602117.

**DEPARTMENT OF ELECTRONICS AND COMMUNICATION ENGINEERING**

In Association with  
**IETE Students Forum (ISF)**  
Organizes

**"A PEEK INTO THE LEADING EDGE"**  
Webinar Series on various facets of technology

Topic	Speaker	Day	Date	Time
Mathematics for Machine Learning	Dr. Naveen Raj R Alumni (SVCE) Assistant Professor, Department of Mechanical Engineering, National Institute of Technology Puducherry	DAY 1	03-04-2023	06.30 PM to 07.30 PM ( IST)
Haptics and VR in Training	Ms.Lianne Johnson Research Scholar, Rice University in Houston, Texas (USA)	DAY 2	04-04-2023	06.30 PM to 07.30 PM ( IST)
Data Visualization	Dr.G.Elangovann Department of Data Science And Business Systems, SRM University, Kattankulathur - Chennai	DAY 3	05-04-2023	06.30 PM to 07.30 PM ( IST)
Long Term Evolution Standards towards 5G Communication	Dr. M. Bindhu Associate Professor Department of ECE Sri Venkateswara College of Engineering, Sriperumbudhur	DAY 4	06-04-2023	06.30 PM to 07.30 PM ( IST)
Deep learning implementation using Tensorflow	Dr. T. Ruso Project Manager Cognizant Technology Solutions Chennai	DAY 5	07-04-2023	10.00 AM to 11.00 AM ( IST).

MEETING LINK : [meet.google.com/ygk-nqpd-fmy](https://meet.google.com/ygk-nqpd-fmy)  
REGISTRATION LINK : <https://forms.gle/sCbj1nZttMoyLTT8>

**E - CERTIFICATE WILL BE PROVIDED TO ALL THE PARTICIPANTS**

**Patron**  
Dr. S. Ganesh Vaidyanathan,  
Principal

**Convener**  
Dr. S. Muthukumar,  
HoD - ECE

**Coordinators**  
Dr. M. Bindhu, Associate Professor / ECE  
Dr M.Kavitha, AP / ECE  
Mr.L.K.Balaji Vignesh, AP / ECE  
Mr.K.Ragupathi, AP / ECE  
Mr. D. Silambarasan, AP / ECE

**FLYER OF THE – WEBINAR SERIES ON VARIOUS FACETS OF TECHNOLOGY  
“A PEEK INTO THE LEADING EDGE”**

# SNAPSHOT OF THE FIVE DAY SESSION

## DAY-1

Recording | Naveen Raj is presenting

### Supervised algorithms - Regression

X (Input parameter)	Y (Response variable)
5	10
10	20
15	30
20	40
25	50
30	60
35	70

$x = 32, y = ??$

$Y = mx + c$   
Where  $m$  &  $c$  are parameters.

Engineering Examples:  
1) Fracture vs Force  
2) Stress vs Strain

6:46 PM | ygk-nqpd-fmy

## DAY-2

Lianne Johnson is presenting

### Haptics and VR in Astronaut training

Hardware Required

- Oculus Rift
- Motu Pro Audio Interface
- Audio Amplifier
- TAlti Bracelet

7:01 PM | ygk-nqpd-fmy

## DAY-3

Elangovan G is presenting

### Data Visualization

Dr. G. Elangovan  
Assistant Professor  
Department of Data Science and Business Systems  
SRM Institute of Science and Technology

Recording

Drive

Select the language for captions

None (no captions)

To turn off captions or change the language, stop and then restart the recording

Also start a transcript (English only)

Stop recording

42 others

7:43 PM | ygk-nqpd-fmy

## DAY-4

The screenshot shows a Google Meet window with a presentation slide titled "5G IMPACT INDIA". The slide content is as follows:

- 5G Economy study- Realized across the globe by 2035
- Supporting a wide range of industries and potentially enabling up to \$13.1 trillion worth of goods and services.
- Automotive Industries, Chip Manufacturing, Medical Tourism
- The study also revealed that the 5G value chain (including OEMs, operators, content creators, app developers, and consumers) could alone support up to 22.8 million jobs.
- Only time will tell what the full "5G effect" on the economy is going to be.

The meeting interface shows the presenter as "BINDHU M ECE" and 35 other participants. The system tray at the bottom indicates a temperature of 85°F and a date of 4/6/2023.

## Day-5

The screenshot shows a Google Meet window with a presentation slide titled "Applications of Artificial Intelligence". The slide content is as follows:

- Machine Learning
  - Deep Learning
  - Predictive Analytics
- Natural Language Processing (NLP)
  - Translation
  - Classification & Clustering
  - Information Extraction
- Speech
  - Speech to Text
  - Text to Speech
- Expert Systems
- Planning, Scheduling & Optimization
- Robotics
- Vision
  - Image Recognition
  - Machine Vision

The meeting interface shows the presenter as "Ruso Tamilarasan" and 35 other participants. The system tray at the bottom indicates a temperature of 28°C and a date of 4/7/2023.

*M. J. S.*

**Coordinator**

*Arthikumar*  
27/4/23

**HOD-ECE**

