








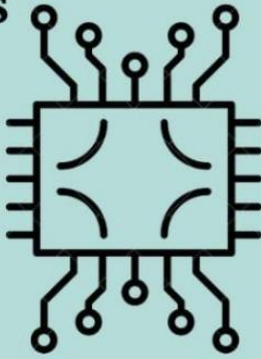

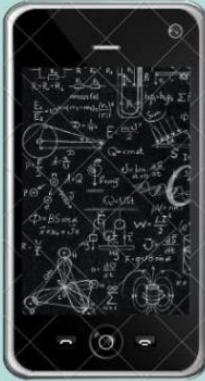
SRI VENKATESWARA COLLEGE OF ENGINEERING

ALUMNI ASSOCIATION OF ELECTRONICS AND COMMUNICATION ENGINEERING



**DEPARTMENT OF ELECTRONICS
AND COMMUNICATION
ENGINEERING
ALUMNI ASSOCIATION
PRESENTS**


**Engineering
Mathematics behind
Smartphones**



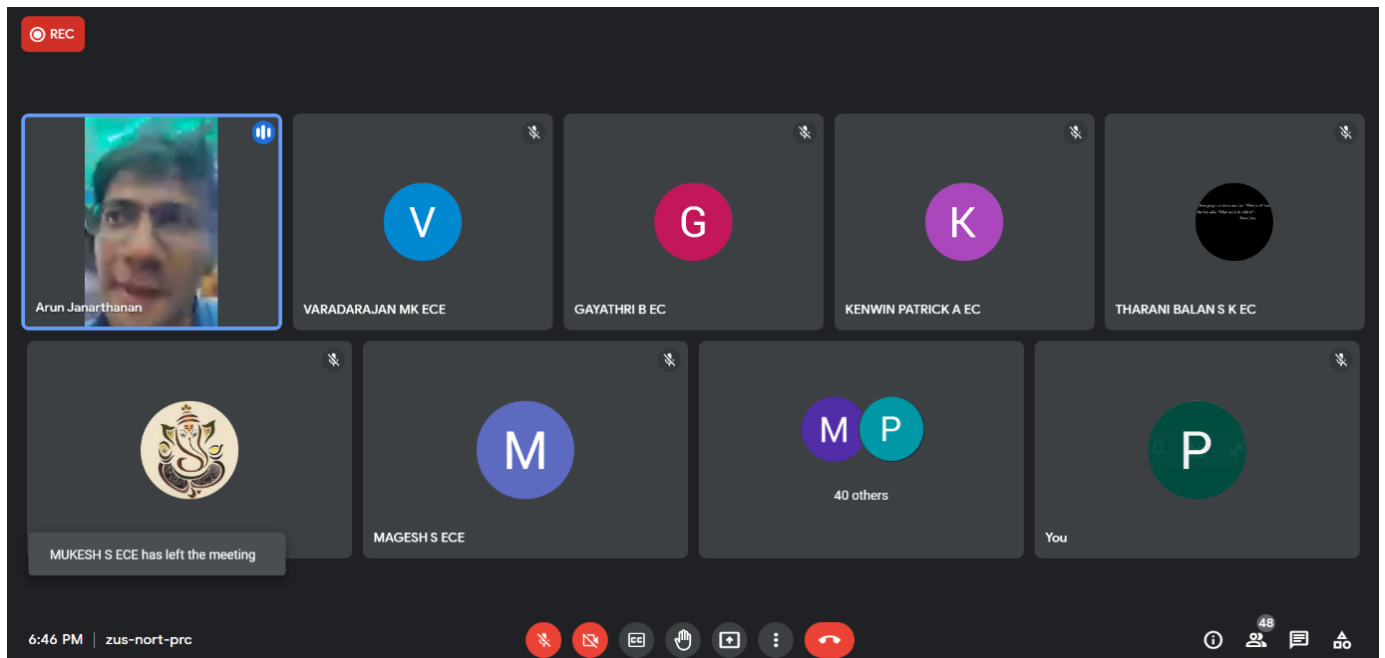
Dr. Arun Janarthanan
(ECE Alumni Batch: 1999-2003)
Sr Staff, SoC Architecture, Qualcomm

Date: 11/12/21 (Saturday)
Time: 6:30PM - 7:30PM

COORDINATORS:
Ms.D.Menaka, Assistant Professor, ECE
Ms.M.Vidya, Assistant Professor, ECE



@SVCE Alumni Network



The third event of ECE Alumni association for the academic year 2021-22 was held via google meet platform on 11th December 2021. A webinar on ‘**Engineering Mathematics behind Smartphones**’ was organized. The coordinators, office bearers and all other gatherers were honored by the presence of the chief guest, **Dr. Arun Janardhanan** (An alumni of batch 1999-2003, SVCE and Senior Staff, Soc Architecture, Qualcomm).

Mr. Kenwin Patrick, Secretary (ECE Alumni association), SVCE hosted the event and welcomed the gathering. This was followed by a welcome address given by Mr. Tharani Balan, Treasurer (ECE Alumni association). Followed by this, a brief introduction to the chief guest was given by Ms. Gayathri, Joint Secretary (ECE Alumni association).

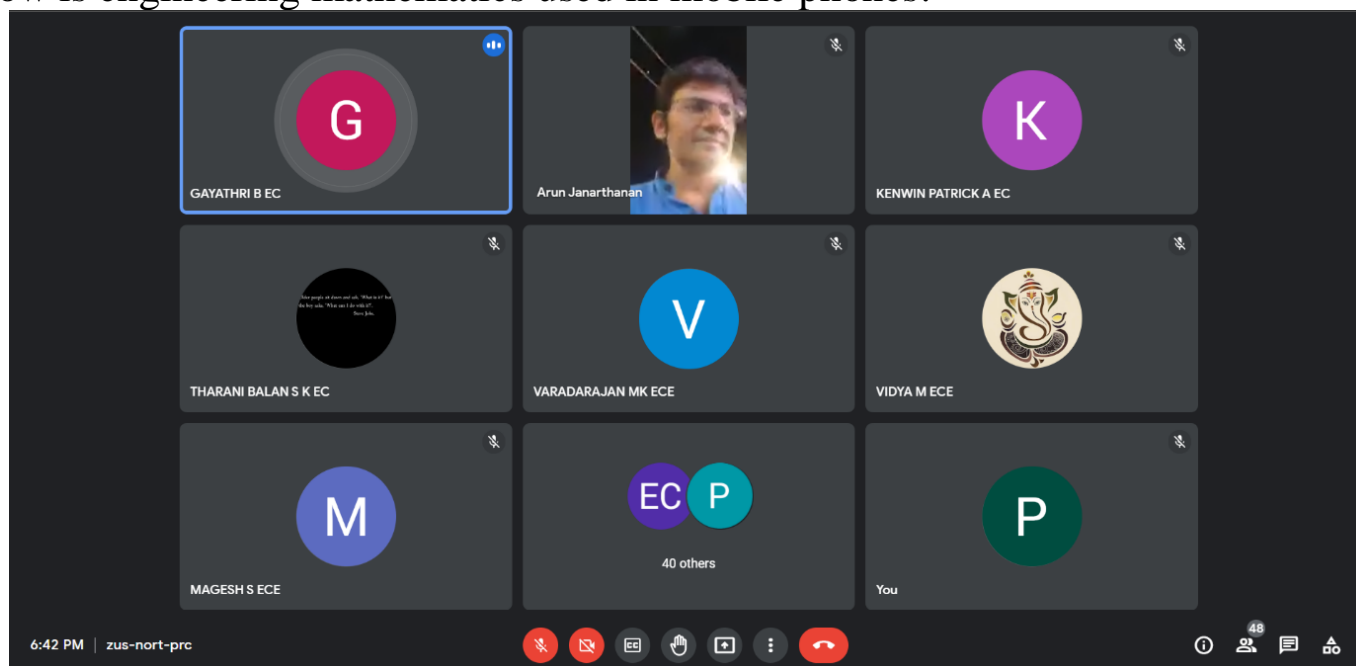
Speaker’s Profile:

Dr. Arun Janardhanan in 2005 did a Research Intern on Low Power Architecture in Intel. He got his doctorate from University of Cincinnati in 2007. Then he worked as a Power Designer in Intel in 2008. Adding to that in 2013 he worked as a Low Power Architect in Intel. Currently he is working as a SoC Power Architect in Qualcomm since 2017. Adding to that he has more than 18 years of Academic and Industrial experience in Chip Design Product Technology. Then he got his PhD from USA and

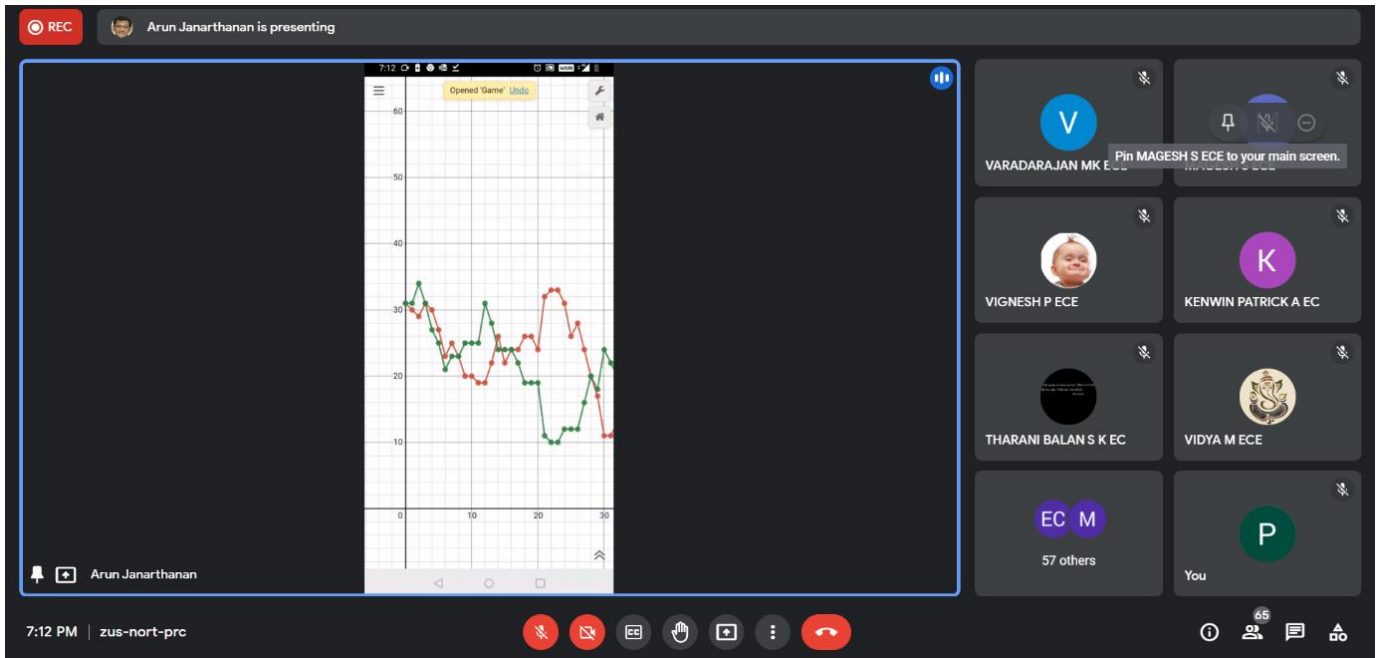
have worked on Silicon Architecture with Qualcomm and with Intel in California.

He had given more than 100 inperson and virtual talks in IEEE conferences, Intel and Qualcomm technology conferences. He also went to 15+ Engineering colleges including premiere institutes and have spoken to an audience of about 10,000 students from Tamil Nadu and all over India. He is the First principle thinker, crunching all of counting to calculus to Fourier Transform in under one hour and he also designs DIY connecting advanced science to Origami, Music, reverse working from the Child's brain. In Two Years he reached 10,000 children from grade 1-12, and went to colleges across Tamil Nadu in personal capacity and through massive company's CSR. Adding to this he is also fostering a community of 200 brilliant kids from Indian families with Yoga, Martial Arts, Indian Music, Dance, Astronomy, and more.

The chief guest began the session by giving a brief introduction about his agenda that is how is engineering mathematics used in mobile phones.

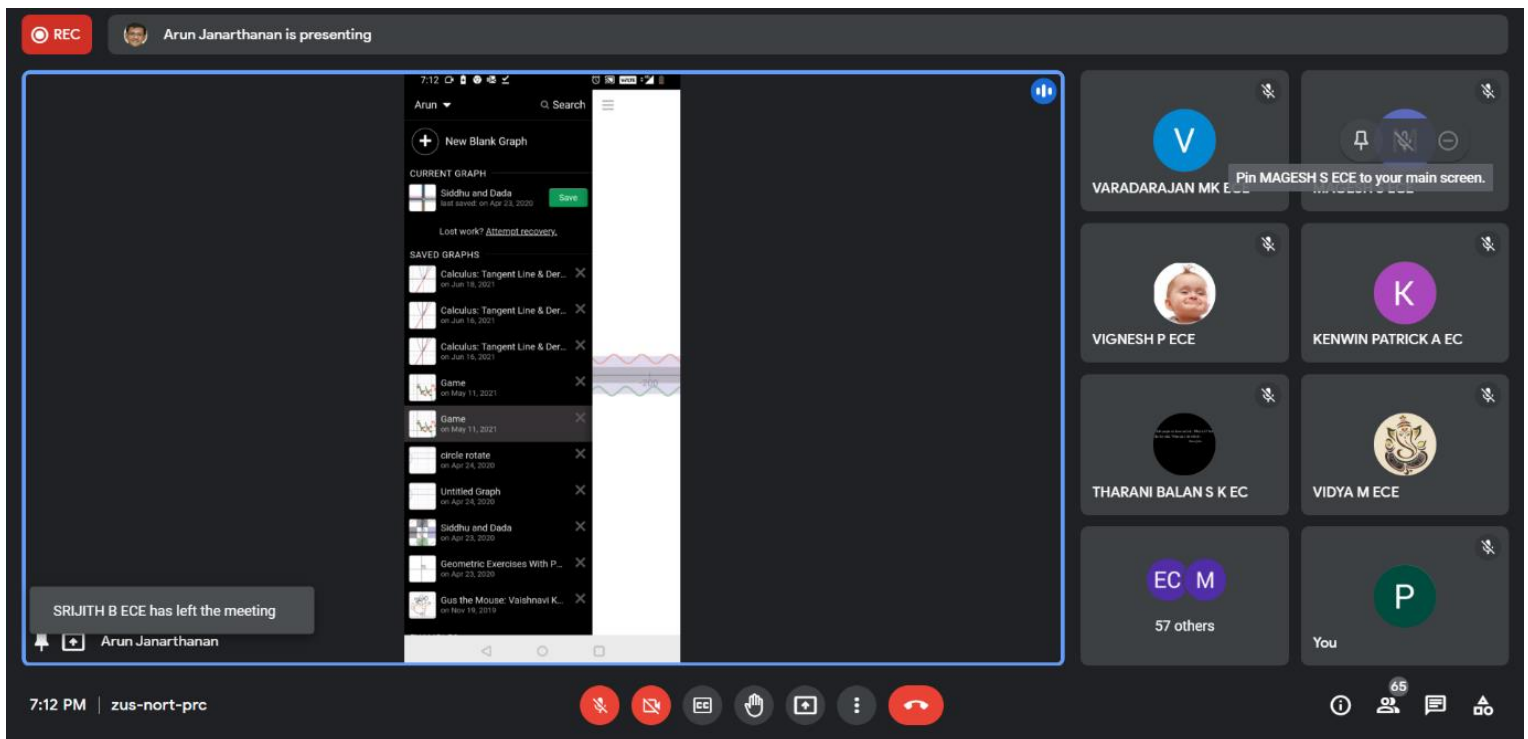


It was followed by his introduction. Then the main webinar started with introduction to the basics of how mathematics is majorly involved in smart phone manufacturing.

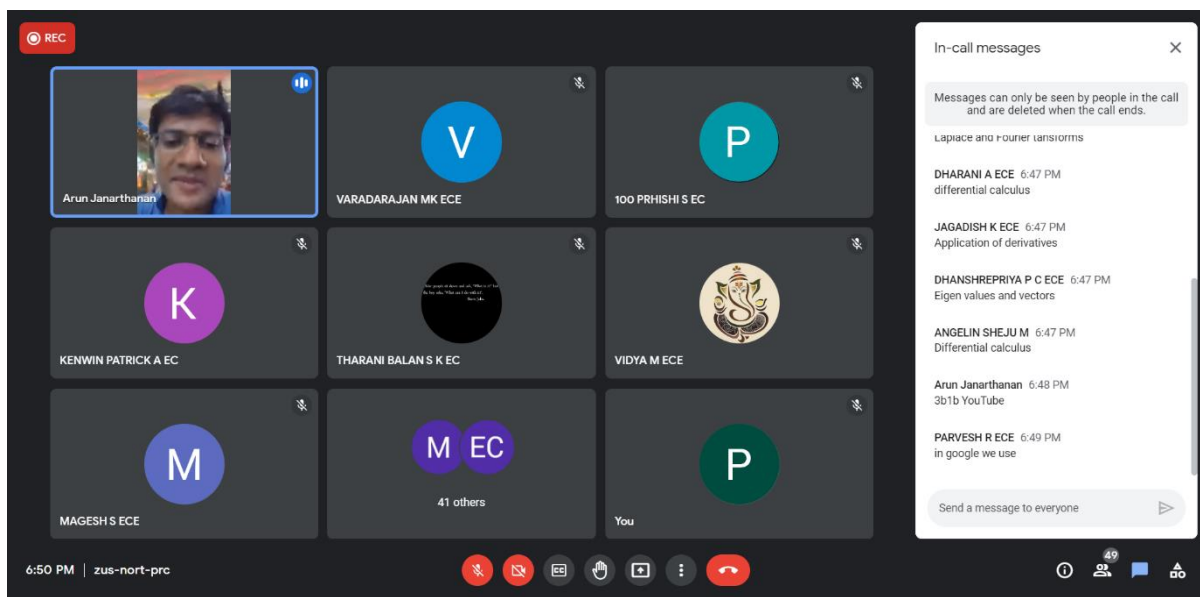
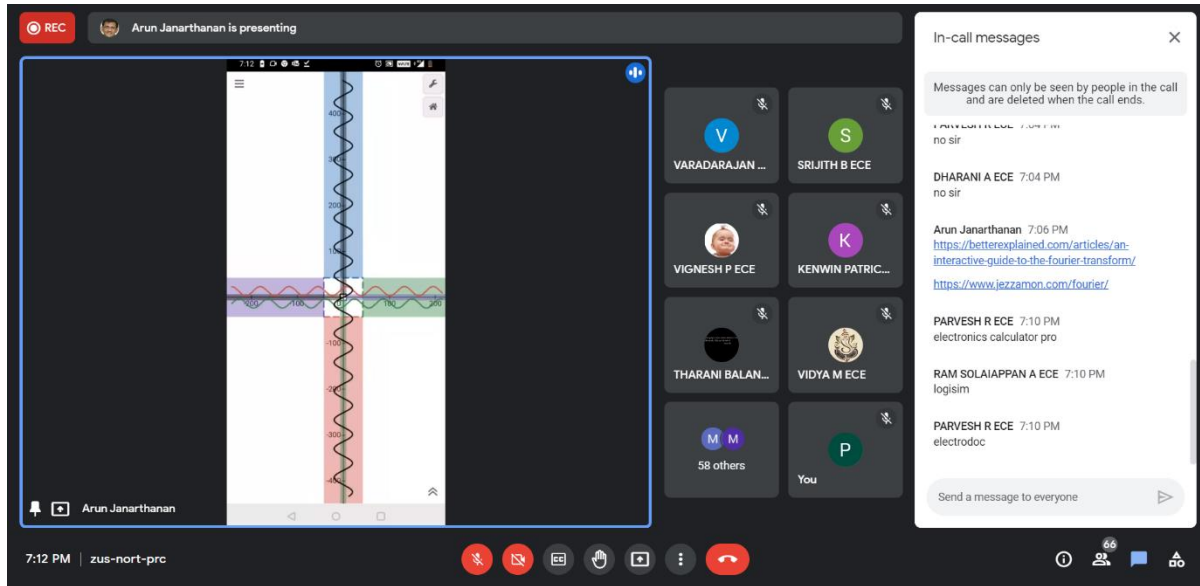


A detailed explanation on the inter relation and a deep connection between the algorithms and the math that governs the working of the smartphone was given in context to the webinar.

He showed few live examples where mathematics and its deep concepts are used in the manufacturing of mobile phones right from the basic units to the complete design of a smart phone.



He concluded by pouring a vast knowledge on how deep is mathematics connected to the electronic devices we use in our day to day life.



Later a Q&A session was held where students poured in their doubts regarding this subject which were cleared.

Finally, the session was concluded with a Vote of Thanks by Ms. Pooja, Executive member, ECE, SVCE.

Participant Details:

Total Number of Participants: 61

There was an active and an enthusiastic participation of students from the ECE department of the college.

D. Me
EVENT COORDINATOR

Pooja
HoD, ECE Department-

Attendance report:

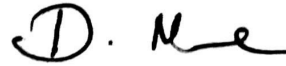
Name	06:55:36 PM	percentage
PRAVIN ECE	Present	100
100 PRHISHI S EC	Present	100
101 PRITHIVI RAJ V S EC	Present	100
105 RAKSHANA S	Present	100
106 RASWANTH U EC	Present	100
114 SAKTHI MAHESWARI M EC	Present	100
117 SANJAY LOKESH A M EC	Present	100
118 SANMUGAM J EC	Present	100
126 SNEHALATHA EC	Present	100
137 R SUPRAJA EC	Present	100
AADHITHYA NARAYANAN B ECE	Present	100
ANGELIN SHEJU M	Present	100
Arun Janarthanan	Present	100
ARUNA B ECE	Present	100
DHANSHREPRIYA P C ECE	Present	100
DHANUSHRI J K ECE	Present	100
DHARANI A ECE	Present	100
GAYATHRI B EC	Present	100
GOGULAPRIYA A ECE	Present	100
HARIPRIYA J ECE	Present	100
JAGADISH K ECE	Present	100
JEEVITHA K ECE	Present	100
KARTHICK SELVAM A	Present	100
KEERTHANA D EC	Present	100
KENWIN PATRICK A EC	Present	100
Kishore R ECE	Present	100
KOUSALYA R ECE	Present	100
Krithika shree D EC	Present	100
LAKSHMI NARAYANAN K S ECE	Present	100
MAANASA R EC	Present	100
MAGESH S ECE	Present	100
Mithun Nitheesh Rogan EC	Present	100
MUTHU KUMAR S EC	Present	100
NAREESH U D EC	Present	100
NITHISH KUMAR B ECE	Present	100
NITHISH P EC	Present	100
PARVESH R ECE	Present	100
PRAVEEN A S ECE	Present	100
RAHUL A ECE	Present	100
RAM SOLAIAPPAN A ECE	Present	100
RISHI A ECE	Present	100
SAAMBAVI PU ECE	Present	100
SANTHOSH B ECE	Present	100
SATHISH A ECE	Present	100

SHAKTHI K ECE	Present	100
SHIV PRAKASH A V ECE	Present	100
SHREE SWETHA A ECE	Present	100
SNEKAA R ECE	Present	100
SRIDHARAN M ECE	Present	100
SRIVARSHINI S ECE	Present	100
SRIVIDHYA M ECE	Present	100
SUBHASHINI K S CSE	Present	100
SUWETHA ECE	Present	100
TEJESHWAR T S U ECE	Present	100
THARANI BALAN S K EC	Present	100
THARUN BALAJI G EEE	Present	100
THULASI SRINIVAS M ECE	Present	100
VARADARAJAN MK ECE	Present	100
VARSHA S	Present	100
VIDYA M ECE	Present	100
VIGNESH KUMAR A ECE	Present	100
VIVEKANAND P ECE	Present	100



HoD, ECE Department-

COORDINATOR



Feedback:

Name	How useful was the guest lecture?	Relevancy of the topic	Overall feedback about the event	Any suggestions to improvise our upcoming events?
R.Mithun Nitheesh Rogan	5	Good	Good	Nice
Keerthana D	5	Very Good	Excellent	No suggestions
DHARANI. A	5	Excellent	Excellent	.
MAGESH S	4	Excellent	Excellent	The session was enlightening and enjoyable
SHARAD L	5	Excellent	Excellent	The event was perfectly organized and conducted no suggestions.
NAREESH U D	5	Excellent	Excellent	WE ARE EXPECTING LIKE THESE EVENTS IN THE FUTURE ALSO.
Ram Solaippan A	5	Good	Excellent	Nothing
UMESH J	5	Very Good	Excellent	No
Varsha S	5	Very Good	Very Good	-
KARTHICK SELVAM A	5	Very Good	Very Good	Nice
SHANMUGAPRIYA P	4	Very Good	Very Good	no
YAZHINI S	5	Very Good	Excellent	No
M.Thulasi Srinivas	5	Excellent	Excellent	I am expecting same as u have done so far
RAKSHANA S	4	Good	Very Good	-
parvesh r	5	Excellent	Excellent	the event should be conducted offline for more interaction and liveliness
Raswanth U	5	Excellent	Excellent	offline would be better
JEEVITHA K	5	Excellent	Excellent	I FEEL GOOD TO HAVE IN OFFLINE MODE
A.Vignesh kumar	5	Excellent	Excellent	No it's good keep it up
SHIV PRAKASH A V	5	Excellent	Excellent	It was perfect and informative
SRIVIDHYA M	4	Good	Good	Nothing
P. Praveen	5	Excellent	Excellent	Great
Sakthi maheshwari	4	Very Good	Very Good	Nothing much it was really good and informative
ThakshithBalaji S	5	Very Good	Excellent	Nothing
K.JAGADISH	5	Very Good	Excellent	Visual representation of the topics thought would help more
R.supraja	4	Very Good	Very Good	nothing much the session was really good and informartive
Sahana Balasubramaniam	5	Very Good	Excellent	nil
SELVABHARATHI T P	5	Excellent	Excellent	No suggestions
Sathish A	5	Excellent	Excellent	I suggest you to conduct events in offline mode.
A.Rishi	5	Excellent	Excellent	I've enjoyed a lot and this session is useful and amazing and this session helps me to gain new informations and I am eagerly waiting for the offline session Hope it will be soon.
KEERTHANA R	5	Very Good	Very Good	No
Krihika shree	5	Excellent	Excellent	No
SANJAY LOKESH A M	5	Excellent	Excellent	Nil
Maanasa R	5	Excellent	Very Good	Nil

Certificate:



ECE ALUMNI ASSOCIATION Certificate of Participation

THIS IS PRESENTED TO

for participating in the webinar "ENGINEERING MATHEMATICS
BEHIND SMARTPHONES" organized by ECE ALUMNI
ASSOCIATION of SRI VENKATESWARA COLLEGE OF
ENGINEERING, Sriperumbudur, Tamilnadu on 11th December 2021

Dr.S.Muthukumar

HOD-ECE

Ms.D.Menaka

CO-ORDINATOR

ALUMNI ASSOCIATION

(2021-2022)

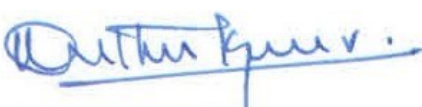
OFFICE BEARERS

- | | | |
|----------------------|---------------------|---------------------|
| 1. President | - Pravin K S | (FINAL YEAR ECE B) |
| 2. Vice President | - Suwetha K | (FINAL YEAR ECE C) |
| 3. Secretary | - Kenwin Patrick A | (THIRD YEAR ECE B) |
| 4. Treasurer | - Tharani Balan S K | (THIRD YEAR ECE C) |
| 5. Joint Secretary | - Gayathri B | (THIRD YEAR ECE A) |
| 6. Executive Members | -Mohan Raja C | (SECOND YEAR ECE B) |
| | Pooja V | (SECOND YEAR ECE B) |
| | Srinivasan Aiswarya | (SECOND YEAR ECE C) |

ALUMNI COORDINATOR

Mrs. D. MENAKA, AP, ECE 

Mrs. M. VIDYA, AP, ECE


HoD, ECE Department-

REPORT BY

Pooja V (Executive member, Alumni Association, ECE II year, SVCE)

Mohan Raja C (Executive member, Alumni Association, ECE II year, SVCE)

Aiswarya S (Treasurer, Alumni Association, ECE II year, SVCE)