



SVCE | Sri Venkateswara
College of
Engineering



SRI VENKATESWARA COLLEGE OF ENGINEERING

DEPARTMENT OF ELECTRONICS AND COMMUNICATION ENGINEERING

in association with

ELECTRONICS AND COMMUNICATION ENGINEERS ASSOCIATION

along with

**THE INSTITUTION OF ELECTRONICS AND TELECOMMUNICATION ENGINEERS -
STUDENTS FORUM**

&

ROBOTICS AND ARTIFICIAL INTELLIGENCE CLUB

REPORT OF

**"GUEST LECTURE ON ROLE OF EMBEDDED SYSTEMS IN CARS AND
AUTOMOTIVE VEHICLES "**

The "**Role of Embedded Systems in Cars and Automotive Vehicles**" guest lecture was hosted by the Department of Electronics and Communication Engineering in collaboration with the Electronics and Communication Engineers Association, the Institution of Electronics and Telecommunication Engineers-Student Forum of SVCE, and the Robotics and Artificial Intelligence Club, SVCE. The guest lecturer was **Dr. G.Boopalan, an Associate Professor** in the Communication department of the School of Electronics Engineering at VIT-Vellore. It was held on **March 8, 2024**, and it was open to ECE Department first, second, and third-year students. The purpose of the lecture was to provide the students with thought-provoking points on potential opportunities for embedded systems in the automobile sector.

TIMING	10.00 AM to 12.00 PM
VENUE	FUNCTION HALL
NO. OF PARTICIPANTS	167



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12.02.2024

Proposal for conducting Guest Lecture on Role of Embedded Systems in Cars/Automotive Vehicles

The Electronics and Communication Engineers, IETE Student Forum and RAIC are collaborating to conduct a guest lecture titled "**Role of Embedded Systems in Cars/Automotive Vehicles**" at our college premises on 8th March 2024. The target audience for this guest lecture includes 2nd and 3rd year students of ECE department. This lecture aims to provide students with valuable insights into the future prospects of Embedded Systems in automotive vehicles.

We are honored to have Dr.G. Boopalan, Associate Professor, Department of Communication, School of Electronics Engineering, VIT-Vellore, as the resource person for this lecture. The event will take place from 10:00 AM to 12:00 PM, allowing ample time for the lecture, discussions, and interactions with the students. This lecture aligns our department's commitment to providing holistic learning experiences to our students and fostering collaborations with esteemed institutions like VIT.

Venue: Function Hall / Video Hall

We kindly request your approval for the successful execution of this event.

Thank You

Dr. T. J. Jeyaprabha
ECEA, IETE-SF, RAIC Coordinator

Dr. G. A. Sathish Kumar
HoD – ECE

BROCHURE OF THE EVENT



SVCE

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&

ROBOTICS AND ARTIFICIAL INTELLIGENCE CLUB

presents

**ROLE OF EMBEDDED SYSTEMS IN CAR &
AUTOMOTIVE VEHICLES**

Guest Lecture by

Dr. G. Boopalan

Associate Professor, Department of Communication

School of Electronics Engineering

VIT - Vellore

8TH MARCH 2024

10 AM to 12 PM

FUNCTION HALL

CONVENER

Dr.G.A.Sathish Kumar

FACULTY CO-ORDINATORS

Dr.T.J.Jeyaprabha

Associate Professor/ECE

Mr.S.Elangovan

Assistant Professor/ECE



AGENDA OF THE EVENT:



SVCE Sri Venkateswara
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DEPARTMENT OF ELECTRONICS AND COMMUNICATION ENGINEERING**

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&
ROBOTICS AND ARTIFICIAL INTELLIGENCE CLUB**

Solicits your esteemed presence for the

GUEST LECTURE



Dr. G. Boopalan

**Associate Professor, Department of Communication
School of Electronics Engineering
VIT - Vellore**

DATE : 08.03.2024

TIME : 10:00 AM to 12:00 PM

VENUE : Function Hall

www.svce.ac.in



GUEST LECTURE

AGENDA :

08.03.2024

10.00 am to 10.05 am : Prayer Song.

10.05 am to 10.10 am : Welcome address by Ms. Vasantha Vidhya P. V

10.10 am to 10.15 am : Chief guest introduction by Ms. Varsha P

10.15 am to 10.25 am : Address of the gathering by Dr.G. A. Sathish Kumar, HoD & Dr.P. Jothilakshmi, AHoD, ECE Department.

10.25 am to 11.45am : Special Talk by Chief Guest, Dr. G. Boopalan
Assistant Professor, Department of Communication, School of Electronics
Engineering, VIT - Vellore

11.45 am to 11.55 am : Vote of thanks by Ms. Kanishkamathi

11.55 am to 12.00 pm : National Anthem



ABOUT THE EVENT:

A prayer song opened the lecture, followed by Ms. Vasantha Vidhya P. V. delivered the welcome speech. Ms. Varsha P. gave the introduction about her chief guest. The speaker gave a thorough introduction to embedded systems and how they are used in automobiles. It covered discussing the various embedded system components, including microcontrollers, sensors, actuators, and communication interfaces. He additionally addressed the difficulties in developing and implementing embedded systems in cars, including issues with interoperability and cybersecurity risks. The presentation finally came to an end with the National Anthem and Ms. Kanishkamathi's vote of thanks.



Guest with AHoD and ECEA Coordinator

ABOUT THE SPEAKER:

Dr. Goopalan has experience with the design, development, and integration of RF, microwave, and microcontroller-based electronics systems. He is knowledgeable about digital and RF system testing and measurements. RF, microwave, and antenna engineering, which will lead to 5G and 6G communications systems, are some of his research interests. In addition, he has experience in energy harvesting, wireless power transfer, metamaterials, restricted autonomous vehicles, GPS (signal simulator development), and charging systems.



Lecture delivered by the speaker



Guest with our AHO, Coordinators and Office bearers

ATTENDANCE SHEET:



SRI VENKATESWARA COLLEGE OF ENGINEERING

DEPARTMENT OF ELECTRONICS AND COMMUNICATION ENGINEERING

Name of the guest lecture: Role of embedded systems in cars/automobile vehicle

Date: 8th March 2024

FACULTY ATTENDANCE SHEET

sn	Name	Designation	Signature
	Dr. T. J. Jayaraman	ASP	T. J. Jayaraman
	Dr. D. Menara	ASP	D. Menara
	S. MARY CYNTHIA	AP	S. Mary Cynthia
	R. PRIYADHARSHINI	AP	R. Priyadharsini
	A. Ratna	AP	A. Ratna
	Dr. M. Kavitha	AP	M. Kavitha
	ARINAYA S. N.	AP	Arinaya S. N.
	D. SILAMBARASAN	AP	D. Silambarasan
	K. BALAJI VINESH	AP	K. Balaji Vinesh
	C. GOMATHESWARI PREETHIKA	AP	C. Gomatheswari Preethika
	KOUSALYA R.	AP	Kousalya R.
	B. ELAKKIY	AP	B. Elakkiy
	Dr. P. JOTHILAKSHMI	Prof/A HOD	P. Jothilakshmi
	K. S. Subhadhini	AP	K. S. Subhadhini
	S. ELANGO VAN. S	AP	S. Elango Van. S

SRI VENKATESWARA COLLEGE OF ENGINEERING

ELECTRONICS AND COMMUNICATION ENGINEERING
 EVENT NAME : ROLE OF EMBEDDED SYSTEMS IN CARS /
 AUTOMOTIVE VEHICLES

ATTENDANCESHEET 08.03.2024

SNO	NAME	REGISTRATIONNO.	SIGNATURE
1	R. Rahul	2127230701114	<i>R. Rahul</i>
2	A. Kishore	2127230701064	<i>A. Kishore</i>
3	M. kishore	2127230701065	<i>M. Kishore</i>
4	V. Pranees	2127230701104	<i>V. Pranees</i>
5	P. Paveesha bhad	2127230701117	<i>P. Paveesha</i>
6	Sudharshan. P	2127230701146	<i>P. Sudharshan</i>
7	VICKRAMAN. K	2127230701163	<i>V. Vikraman</i>
8	VISHNOO PBIYEN. S	2127230701167	<i>V. Vishnoo</i>
9	SURYA. K	2127230701150	<i>S. Surya</i>
10	YUNAL KISHORE. E	2127230701175	<i>Y. Yunal</i>
11	SONDARECH. K	2127230701148	
12	RAM PRANECH. S L	2127230701115	
13	MITHUN KANNA. U	2127230701176	
14	YOGESHWARAN. K	2127230701173	
15	YESHWANTH. V.	2127230701172	
16	KESAVA. G	2127230701063	<i>G. Kesava</i>
17	Kranthi Varun	2127230701062	<i>K. Varun</i>
18	LOKESH M	2127230701072	<i>M. Lokesh</i>
19	LOKKESH V	2127230701073	<i>V. Lokkesh</i>
20	Pavan. P	2127230701097	<i>P. Pavan</i>
21	Niranjan. V	2127230701089	<i>V. Niranjan</i>
22	MOHAMED REEF. A	2127230701079	<i>A. Reef</i>
23	MOHAMED ANSHIQ. J	2127230701078	<i>J. Anshiq</i>
24	K. Mukesh	2127230701083	<i>K. Mukesh</i>
25	A. Nawin	2127230701088	<i>A. Nawin</i>

SRI VENKATESWARA COLLEGE OF ENGINEERING
ELECTRONICS AND COMMUNICATION ENGINEERING
EVENT NAME ROLE OF EMBEDDED SYSTEMS IN CARS /
AUTOMOTIVE VEHICLES

ATTENDANCESHEET08.03.2024

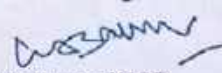
SNO	NAME	REGISTRATIONNO.	SIGNATURE
1	SK. VIKASH	2127220701164	SK. Vikash
2	S. Shalkeer Jeyan	2127220701170	S. Shalkeer
3	SANJANDEEP RM	2127220701117	R. Ly.
4	VENKAT HD	2127220701167	Ved
5	SARAV ST	2127220701126	Sarav
6	SANJEEV S	2127220701122	Sanjeev
7	N. Arun Prakash	2127220701302	N. Arun
8	K. DIVITH PRANAV	2127220701039	K. Divith
9	Anulmozhi Varman	2127220701301	Anulmozhi
10	ABEESH .JP	2127220701002	Abeesh
11	HARIKRISHN M TM	2127220701046	H. M. TM
12	DIPAN VENKAT	2127220701036	Dhan
13	ASHWIN . A	2127220701018	Ashwin
14	GUNALAN . M	21272207010306	G. M.
15	Pranav . S	2127220701035	Pranav
16	Bhagath Singh . V	2127220701024	V. Singh
17	HARISH KANNAN . D	2127220701051	H. Kannan
18	Dinesh kumman D	2127220701038	M. Dinesh
19	Amitha Suresh R	2127220701013	A. Suresh
20	HARIKISOR . T.K.L	2127220701044	T.K.L. Hari
21	Arunthi Kombi S	2127220701020	A. Kombi
22	Darshan Chelvaa S	2127220701027	S. Darshan
23	BALAGI .	2127220701303	Balagi
24	MOHANPAT R	2127220701079	M. Mohan
25	RM. MANIKANDAN	2127220701075	Manikandan

SRI VENKATESWARA COLLEGE OF ENGINEERING
 FEEDBACK FROM THE SPEAKER - GUEST LECTURE

DEPARTMENT : ECE

Name of the Speaker	: Dr. G. Boopalan
Designation	: Associate Professor, Dept of Communication Engineering, VIT
Institution/University/Organisation	: VIT Vellore
Mobile / E-mail	: boopalan @ vit.ac.in
Title of the Lecture	: Role of Embedded systems in Automobile vehicles
Date	: 8-03-2024
Time	: 9:30 a.m - 12:00 p.m.
Venue	: Function hall.
Comments by the Speaker	: Students are more interactive.
Suggestions for improvement	: -
Signature of the Speaker	: G. Boopalan.


 Signature of Coordinator


 Signature of HOD

ORGANIZING COMMITTEE COMPRISING OF:

Chief Patron	:Dr.M.Sivanandham, Secretary, SVEHT
Patron	:Dr.S.Ganesh Vaidyanathan, Principal, SVCE
Convenor	:Dr.G.A.Sathish Kumar, Professor & HOD
Faculty Coordinators	:Dr.T.J.Jeyaprabha, ECEA, IETE-SF and RAIC Coordinator Mr.S.Elangovan, ECEA, IETE-SF and RAIC Coordinator

ECEA comprising of:

President	:Mr.Prithiviraj V S(IV Year ECE C)	✓
Vice-President	:Mr.Avinash P (IV Year ECE A)	✓
Secretary	:Mr.Sharad L (III Year ECE C)	✓
Treasurer	:Ms.Deepika S(III Year ECE A)	✓
Executive Members	:Mr.Anish Krishnan(III Year ECE A)	✓
	Ms.Dharani A (III Year ECE A)	✓
	Mr.Lok Ranjan B (III Year ECE B)	✓
	Mr.Kiran Yadav V(III Year ECEB)	✓
	Ms.Lathikaa Shri (III Year ECE B)	✓
	Mr.Udhaya K (III Year ECE C)	✓
Joint Secretary	:Mr.Ashwin R(II Year ECE A)	✓
	Ms.Kanishkamathi S(II Year ECE B)	✓
	Ms.Varsha P (II Year ECE C)	✓

IETE SF SVCE comprising of:

Chairman :Ms. Mrdulla V Naarayan (IV Year ECE B)

Vice Chairman:

Student Coordinator :Mr.Sanjay Lokesh A M (IV Year ECE C) ✓

Event Coordinator :Mr. Shashidar G (IV Year ECE C) ✓

Honorary Secretary :Mr. Mukesh S (III Year ECE B) ✓

Honorary Treasurer :Ms.Srivarshini S (III Year ECE C)

Executive Members :Mr. Amarnath S (III Year ECE A) ✓

Mr. Aadhithya Narayanan B (III Year ECE A) ✓

Mr. Parvesh R (III Year ECE B) ✓

Mr. Prabhu Dharshan R (III Year ECE B) ✓

Ms. Subasree S S (III Year ECE C) ✓

Mr. Umesh Anandh S (III Year ECE C) ✓

Joint Secretary :Ms. Deepikashri S (II Year ECE A) ✓

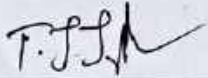
Mr. Manoj Kumar K (II Year ECE B) ✓

Mr.Tamil Nilavan S (II Year ECE C) ✓

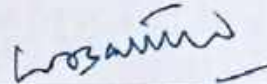
RAIC comprising of:

- President** :Mr. Ganeshan H (IV Year ECE A) ✓
- Vice President** :Ms. Snchalatha M (IV Year ECE C)
- Secretary** :Ms. Snekaa R (III Year ECE C) ✓
- Joint Secretary** :Mr. Adarsh S (II Year ECE A) ✓
Mr. Ramanathan M (II Year ECE B) ✓
Ms. Vasantha Vidhya P V (II Year ECE C) ✓
- Lead Mentor** :Mr. Rajit H (IV Year ECE C)
- Mentors** ✓ :Ms. Kavitha S (III Year ECE B) ✓
Mr. Kiransekhar (III Year ECE B) ✓
Mr. Nandhanan R (III Year ECE B)
Mr. Parvesh R (III Year ECE A) ✓
Mr. Ram Solaiappan A (III Year ECE B) ✓
✓ Mr. Saambavi P U (III Year ECE B) ✓

RAIC
Mentor



Dr. T. J. Jeyaprabha
ECEA, IETE-SF, RAIC Coordinator



Dr. G. A. Sathish Kumar
HoD - ECE

Date : 12.03.2024

Report By:

Vasantha Vidhya .P .V
(Joint Secretary, RAIC)