



VEL TECH HIGH TECH Dr.RANGARAJAN Dr.SAKUNTHALA
ENGINEERING COLLEGE
(Approved by AICTE, Affiliated to Anna University-Chennai,
Accredited by NBA, New Delhi and Accredited by NAAC
with 'A' Grade and CGPA of 3.27)

ELECTRA – NEWS LETTER

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ELECTRA



DEPARTMENT OF ELECTRONICS AND COMMUNICATION
ENGINEERING

#60, AVADI-VEL TECH ROAD, AVADI
CHENNAI-600062.

GUEST LECTURES-1

AUTOMATIC VEHICLES- CHALLENGES AND OPPORTUNITIES

12 oct, 2021

AUTOMATIC VEHICLES- CHALLENGES AND OPPORTUNITIES



NAAC A GRADE | NBA | IGAUGE GOLD

Vel Tech High Tech
Dr.Rangarajan Dr.Sakunthala Engineering College
(An Autonomous Institution)
Department of Electronics and Communication Engineering

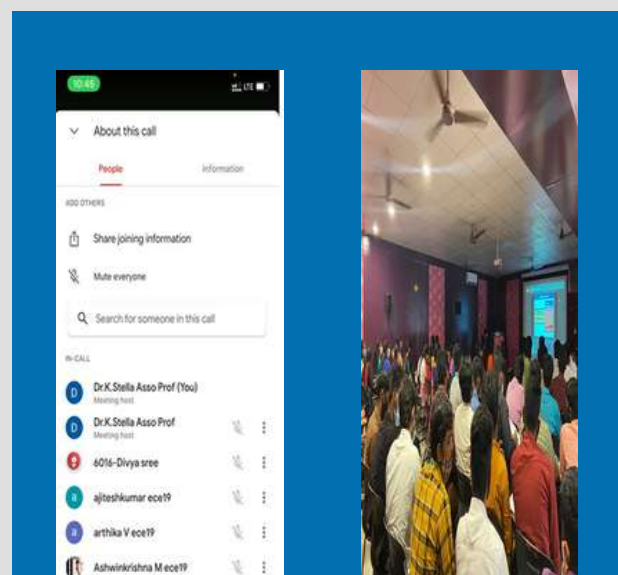
In Association with
IETE

Presents
Guest Lecture on
Automatic Vehicles – Challenges and Opportunities

Date : 12.10.2021
Time : 10.45 am to 12.30 am

 **Dr. JOHN JOSE,**
Assistant Professor,
IIT, GUWAHATI

CHIEF PATRONS Col. Prof. Dr. Vel. Shri. R.Rangarajan, Founder President and Chairman	CONVENOR Dr. V. R. Ravi, Dean/Academics
Dr. Sagunthala Rangarajan, Vice Chairman	Dr.N.Duraichi, HOD/ ECE
PATRON Dr. E.Kamalanaban, Principal	CO-CONVENOR Dr.K.Stella, Associate Professor/ECE



A Guest Lecture was organized in our department on 12.10.21. The Expert member Dr.John Jose Assistant Professor, IIT, Guwahati ,delivered lecture on “Automatic Vehicles – Challenges and Opportunities” in which the real time challenges and opportunities of Automatic Vehicles were explained by the expert.

The guest lecture was done in online mode through google meet on 12th oct 2021 and this was the screen shot of the guest lecture. At the end of the session all the 81 students were benefited by the expert lecture.

GUEST LECTURES-2

25 nov 2021

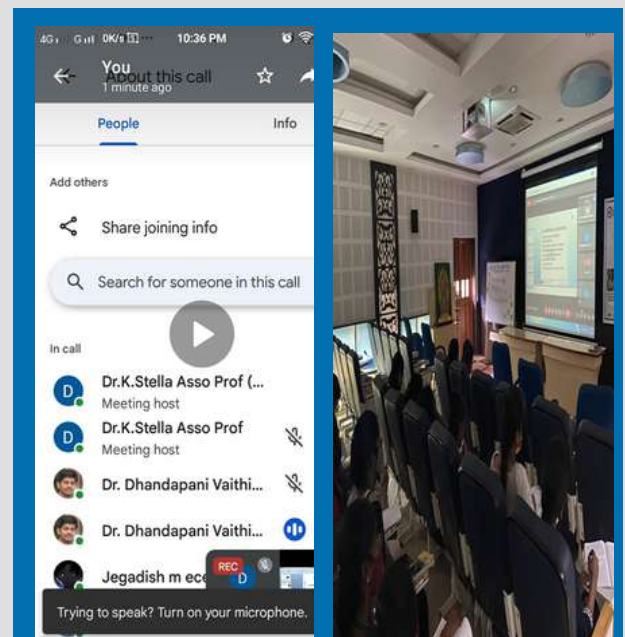
ADVANCEMENTS IN MICROPROCESSOR AND MICROCONTROLLER

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Vel Tech High Tech
Dr.Rangarajan Dr.Sakunthala Engineering College
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Department of Electronics and Communication Engineering
In Association with
IETE
Presents
Guest Lecture on
Advancements in Microprocessor and Microcontroller
Date : 25.11.2021
Time : 10.30 am to 12.30 pm
<https://meet.google.com/4tb-tee-nay>
Dr. D. Vaithyanathan,
Assistant Professor,
NIT, DELHI

CHIEF PATRONS Col. Prof. Dr. Vel. Shri. R.Rangarajan, Founder President and Chairman Dr. Sagunthala Rangarajan, Vice Chairman	CONVENOR Dr. V. R. Ravi, Dean/Academics Dr.N.Duraichi, HOD/ ECE
PATRON Dr. E.Kamalanaban, Principal	CO-CONVENOR Dr.K.Stella, Associate Professor/ECE



A Guest Lecture was organized in our department on 25.11.21. The Expert member Dr.Vaithyanathan, Assistant Professor , NIT,Delhi delivered lecture on “Advancements in Microprocessor and Microcontroller”. The Session started with the basics of microprocessor and microcontroller and the expert gave the demo on real time applications and the advancements in the microprocessor and microcontroller .

The guest lecture was done in online mode through google meet on 25th Nov 2021 and this was the screen shot of the guest lecture. At the end of the session all the 90 students were benefited by the professional lecture.

WORKSHOP

ENTREPRENEURSHIP & INNOVATION

Vel Tech High Tech
Dr. Rangarajan Dr. Sakunthala Engineering College
TNEA CODE 1122
An Autonomous Institution
Approved by AICTE, New Delhi | Affiliated to Anna University, Chennai

DEPARTMENT OF ELECTRONICS AND COMMUNICATION ENGINEERING
in association with
INSTITUTION'S INNOVATION COUNCIL

Jointly presents
Workshop
on
"ENTREPRENEURSHIP & INNOVATION"
10.12.2021- 2.15 PM to 3:15 P.M

Resource Person

Mr. G. Misfa Daniel
Founder- Director
PMS BAZAAR, Chennai

Chief Patrons
Col. Prof. Dr. Vel. Sri. R. Rangarajan,
Founder President and Chairman
Dr. Sugunthala Rangarajan,
Vice Chairman

Patron
Prof. Dr. E. Kamalanabhan,
Principal

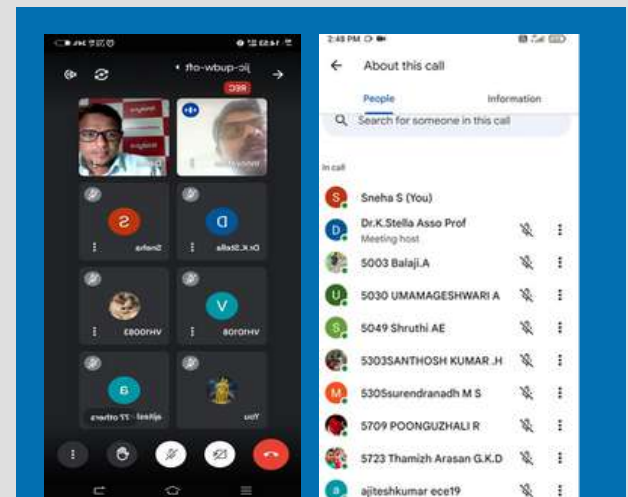
Convener
Dr. V. R. Ravi
Dean Academics & Dean - JET

Co-conveners
Dr. N. Dinesh,
HOD / ECE
Dr. M. Gopinath,
Assistant Dean - IC

Coordinator
Dr. K. Stella,
Assistant Professor / ECE

10 DEC 2021

Entrepreneurship & innovation



The guest lecture was done in online mode through google meet on 10th DEC 2021 and this was the screen shot of the guest lecture. The expert gave the demo on real time applications on ENTREPRENEURSHIP & INNOVATION. At the end of the session all the 120 students were benefited by the professional lecture.

A workshop was organized in our department on 10.12.21. The Expert member Mr.G. Misfa Daniel Founder-Director PMS BAZAAR,CHENNAI, delivered lecture on "ENTREPRENEURSHIP & INNOVATION".

WEBINAR

11 DEC 2021

AI AND IOT- REVOLUTIONIZING THE PRESENT AND FUTURE

AI AND IOT- REVOLUTIONIZING THE PRESENT AND FUTURE



NAAC A GRADE NEB IGAUGE GOLD INSTITUTIONS INNOVATION COUNCIL

Vel Tech High Tech
Dr.Rangarajan Dr.Sakunthala Engineering College
(An Autonomous Institution)
Department of
Electronics & Communication Engineering
& IETE jointly presents
Webinar on
"AI and IoT- Revolutionizing the Present and Future"

Date : 11.12.2021
Time : 11:00 am to 12:30 pm

Google Meet <https://meet.google.com/vbp-mcl-yog>

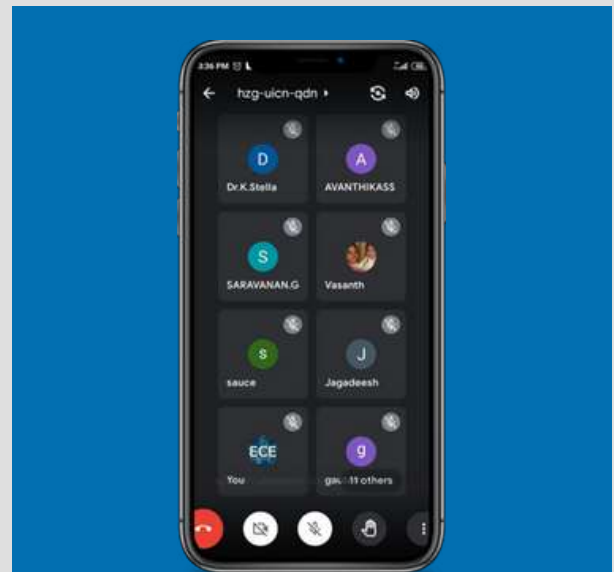
Mr.J.Kishan,
Research Scientist, Digital Signal Processing Division,
SAMEER- Centre for Electromagnetics, Chennai

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Founder President and Chairman
Dr. Sagunthala Rangarajan,
Vice Chairman

PATRON
Dr. E.Kamalanaban,
Principal

CONVENOR
Dr. V.R. Ravi,
Dean/SoEC

CO-CONVENOR
Dr.N.Duraichi
HoD/ECE



The Webinar was done in online mode through google meet on 11th DEC 2021 and this was the screen shot of the Webinar. In which the real time applications and its advantages were explained by the expert. At the end of the session all the 120 students were benefited by the professional lecture.

A Webinar was organized in our department on 11.12.21. The Expert Mr.J.Kishan Research Scientist Digital Signal Processing Division, Sameer Centre for Electromagnetics, Chennai, delivered lecture on Webinar on "AI and IoT – Revolutionizing the present and future"

ALUMNI

PLACEMENT AND CARRIER OPPORTUNITIES



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NEA

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GOLD

Veltech Hightech
Dr.Rangarajan Dr.Sakunthala Engineering College
(An Autonomous Institution)
Department of Electronics & Communication Engineering
In Association with
IETE
presents

“Placement and Career Opportunities”
“Placement and Career Opportunities”

Date : 30.10.2021
Time :02:00 pm to 03:00 pm

<https://meet.google.com/ror-show-vpw>
Google Meet

Batch (2014-2018)
Mr.Vignesh Kannan,
Senior Software Engineer,
Mindtree, Chennai.

Chief Patrons
Col.Prof. Dr Vel. Shri. Dr.Rangarajan,
Founder President and Chairman
Dr. Sagunthala Rangarajan,
Vice Chairman

Patron
Dr E. Kamalanaban,
Principal

Convenor
Dr UR.Ravi,
Dean/SoEC
Co-Convenor
Dr. N.Duraichi,
HoD/ECE

A Alumni was organized in our department on 30.10.21. The Alumni delivered speech on Placement and career opportunities” in which the alumni gave a speech on future career and placement opportunities.

30 OCT 2021

PLACEMENT AND CARRIER OPPORTUNITIES



The Alumni interaction was done in physical mode on 30th OCT 2021 and this was the screen shot of the interaction. All the 84 students who attended got an idea on their future career.

INDUSTRIAL VISIT



Industrial visit was conducted for **2nd and 3rd** year on **16 and 18th may 2022** at **Kanchipuram** accompanied by two faculty **Ms. Savitha Dr. Kolanchinathan**. Totally **80 student** were visited the **Indotech Transformers Ltd.** Indo Tech Transformers Ltd. manufactures electrical power and distribution transformers. The Company also produces related electronic and computer hardware, pre-stressed cement casting products, mobile substation transformers, and substations.

STUDENT ACTIVITY

June, 2021

Students paper publication:

C.Abarna, S. Anupama and S.Devi Published a paper on the title of **"Development And Evaluation Of An Early Detection Of Covid-19 Pneumonia Using CT Images"** in **IOS PRESS**, June 2021 and the **SCI** impact factor is **3.476**

Jagadeesh D, Gautam K and Gopi Published a paper on the title of **"MIMO Using Silicon Patch Antenna"** in **IOS PRESS**, June 2021 and the **SCI** impact factor is **3.476**



Kodali Lahari Chandana, A.Cathrin Sagayam and S.Bhuvaneshwari Published a paper on the title of **"Fundus Image Classification Using Convolutional Neural Network"** in **IOS PRESS**, June 2021 and the **SCI** impact factor is **3.476**

STUDENT ACTIVITY

June, 2021

Paper presentations in
conferences and seminars:

KOWSALYA .E, GEERTHANA.P
and HARITHA.R.S presented
paper on the title of "**Smart
Agriculture Using AI and
Android Application**" in the
**International Conference on
Advanced Production and
Industrial Engineering
(ICAPIE- 2021)** conducted by
the **NIT,DELHI** on 19th June
2021



NASRIN FATHIMA J,
PRASHANTHI G R
and RAMYA R
presented paper on
the title of "**LOW
POWER
CONSUMPTION
BASED 4T SRAM
CELLFOR CMOS
130nm TECHNOLOGY**
"in the **International
Conference on
Materials and
Manufacturing –
2021** conducted by
the **HMR Institute of
Technology and
Management, Delhi,
India** on 23th June
2021

VISION AND MISSION

VISION OF THE DEPARTMENT:

To emerge as a centre of Academic Excellence in Electronics and Communication Engineering

MISSION OF THE DEPARTMENT:

- Providing effective curriculum delivery through innovative teaching initiatives to accomplish desired outcomes.
- Encouraging the research activities of faculty and students by establishing well equipped infrastructure and facilitating industry institution interaction.
- Imparting the moral and ethical values for comprehensive self development of the students.

PROGRAM EDUCATIONAL OBJECTIVES (PEOs):

- PEO 1: Graduates will have a successful career in Electronics and Communication and allied Industries.
- PEO 2: Graduates will design and implement solutions for real time problems of Electronics, Communication, and interdisciplinary domains with ethical and professional manner.
- PEO 3: Graduates will have an aptitude for lifelong learning and research.

PROGRAM SPECIFIC OUTCOMES (PSOs):

- PS01 Design and realize solutions by applying the principles of electronics and signal processing for commercial, industrial and defense requirements.
- PS02 Apply the design principles of the communication systems, networks and antennas for product development.

Editorial page:

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HOD: Dr.S.Hemajothi

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2. C.D.Merlin

Student Members:

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2. Madhan Kumar V