



# VEL TECH HIGH TECH

## Dr. RANGARAJAN Dr. SAKUNTHALA ENGINEERING COLLEGE

*(An Autonomous Institution)*

**DEPARTMENT OF ELECTRONICS AND  
COMMUNICATION ENGINEERING**

# ELECTRA

## NEWS LETTER

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Issue:01**

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2022-2023**



**Vel Tech High Tech**

**Dr.Rangarajan Dr.Sakunthala Engineering College**

*(An Autonomous Institution)*

*Approved by AICTE – New Delhi, Affiliated to Anna University, Chennai*

*Accredited by NBA, New Delhi & Accredited by NAAC with “A” Grade & CGPA of 3.27*

# GUEST LECTURES

Vel Tech High Tech  
Department of  
Electronics & Communication Engineering  
In Association  
with IETE  
organizing  
Guest Lecture on  
**"Communication Networks"**  
Date : 18/10/2022 Venue : Saravanavel Auditorium  
Time : 2:00 p.m. to 3:30 p.m.

**Dr. T. Subashiri**, Assistant Professor,  
Electronics and Communication  
Engineering Department, Madras  
Institute of Technology, Anna  
University, Chennai, Tamil Nadu

**CHIEF PATRON**- Col. Prof. Dr. Val. Sankar Ranganathan,  
Founder President and Chairman  
Dr. Sakirthala Ranganajan, Vice Chairman  
**PATRON** Dr. E. Ramasubramanian, Principal

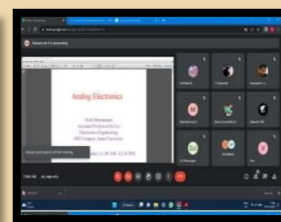
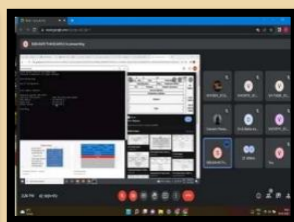
**CONVENOR**- Dr. V. S. Reddy/Dean/EEEC  
**CO-CONVENOR**- Dr. N. Durairaj, HOD/EE  
**CO-ORDINATOR**- Mrs. Yogapriya,  
Asst.Prof/EE

Vel Tech High Tech  
Department of  
Electronics & Communication Engineering  
In Association  
with IETE  
organizing  
Guest Lecture on  
**"Analog Electronics"**  
Date : 20/10/2022 Venue : Saravanavel Auditorium  
Time : 11:00 a.m. to 12:30 p.m.

**Dr. K. Mariammal**, Assistant Professor,  
Electronics and Communication  
Engineering Department, Madras  
Institute of Technology, Anna  
University, Chennai, Tamil Nadu

**CHIEF PATRON**- Col. Prof. Dr. Val. Sankar Ranganathan,  
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**CO-ORDINATOR**- Mrs. Yogapriya,  
Asst.Prof/EE



A Guest Lecture was organized in our department on 18<sup>th</sup> of October 2022 by **Dr. SUBASHIRI**, Assistant Professor from Madras Institute of Technology (MIT), Chennai. The lecture was in the topic **"COMMUNICATION NETWORKS"** where the real time applications and its advantages were all explained by the faculty in ONLINE mode. This session was more effective for the current third year (2022-2023). students

A Guest Lecture was organized in our department on 20<sup>th</sup> of October 2022 by **Dr. MARIAMMAL**, Assistant Professor from Madras Institute of Technology (MIT), Chennai. The lecture was in the topic **"ANALOG ELECTRONICS"** where the current trends of the topic was explained by the faculty in ONLINE mode. This session was more effective for the current second year (2022-2023) students as they even had a credit subject of the same.

# ALUMINI INTERACTIONS


**Vel Tech High Tech**  
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**Department of Electronics & Communication Engineering**  
 In Association with IETE  
 Presents  
**Alumni Interaction on "Placement and Career Guidance"**  
 Date : 01.11.2022 Time : 11:30 Am  
 Venue : Jagadish Chandra Bose, Seminar Hall


**Mr. K. ARUN KUMAR**  
 Batch: 2017-2021  
 Associate Software Engineer  
 Mohasis Ltd, Bangalore.

**CHIEF PATRONS**  
 Col. Prof. Dr. Vel. Sri R. Rangarajan,  
 Founder President and Chairman  
 Dr. Sakunthala Rangarajan,  
 Vice Chairman  
**PATRON**  
 Dr. E. Kamalanaban,  
 Principal

**CONVENOR**  
 Dr. V. R. Ravi,  
 Dean/SoEC  
**CO-CONVENOR**  
 Dr. N. Duraichi,  
 HOD/ECE  
**CO-ORDINATOR**  
 S. Jalaja  
 Asst. Prof/ECE

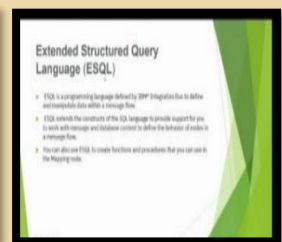

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**Department of Electronics & Communication Engineering**  
 In Association with IETE  
 Presents  
**Alumni Interaction on "IBM Integration Bus"**  
 Date : 25.11.2022 Time : 02:30 Pm  
 Venue : Jagadish Chandra Bose, Seminar Hall  
<https://meet.google.com/wan-qjs-gia>


**Ms. E. Saranya**  
 Batch: 2016-2020  
 System Engineer  
 Infosys, Chennai

**CHIEF PATRONS**  
 Col. Prof. Dr. Vel. Sri R. Rangarajan,  
 Founder President and Chairman  
 Dr. Sakunthala Rangarajan,  
 Vice Chairman  
**PATRON**  
 Dr. E. Kamalanaban,  
 Principal

**CONVENOR**  
 Dr. V. R. Ravi,  
 Dean/SoEC  
**CO-CONVENOR**  
 Dr. N. Duraichi,  
 HOD/ECE  
**CO-ORDINATOR**  
 S. Jalaja  
 Asst. Prof/ECE



Our department alumni  
**Mr. K. ARUN KUMAR**,  
 Associate Software  
 Engineer from **Emphasis**,  
**Bangalore** gave an  
 interaction session on  
**"PLACEMENT AND  
 CAREER GUIDANCE"**  
 on 2<sup>nd</sup> November 2022

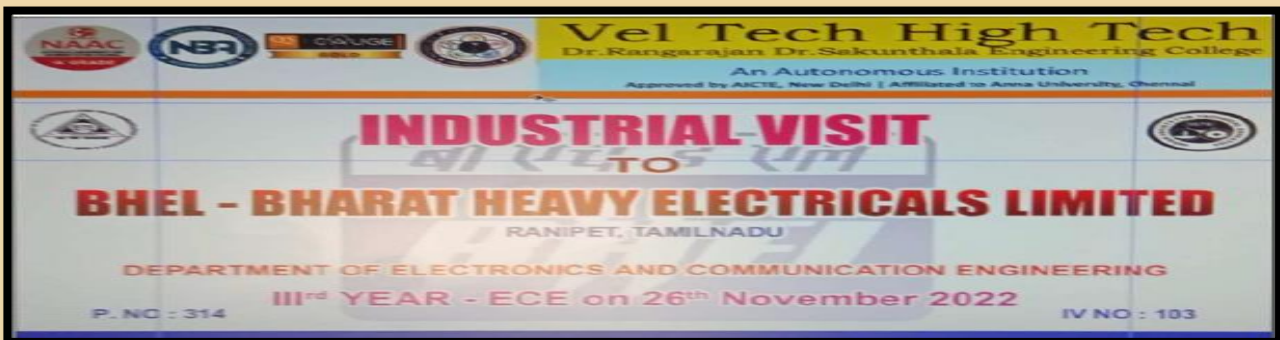
**Ms. E. SARANYA** (Alumni  
 of our department),  
**E System Engineer**  
 currently working in **Infosys  
 Ltd, Chennai** gave an  
 interaction session in  
**ONLINE MODE** on **"IBM  
 INTEGRATION BUS"** on  
 25<sup>th</sup> November 2022.



# INDUSTRIAL VISITS



Our department channelized an Industrial Visit for the Second-year students on November 8<sup>th</sup> and 9<sup>th</sup> 2022 to “**IIITDM, TEACHING AND LEARNING CENTER (TLC)**”. It is a Design and Manufacturing oriented engineering education, research and to promote the competitive advantage of Indian products in global markets. An arrangement of bus was made for both the days of **INDUSTRIAL VISIT** and two faculties were also accompany the students during the visit



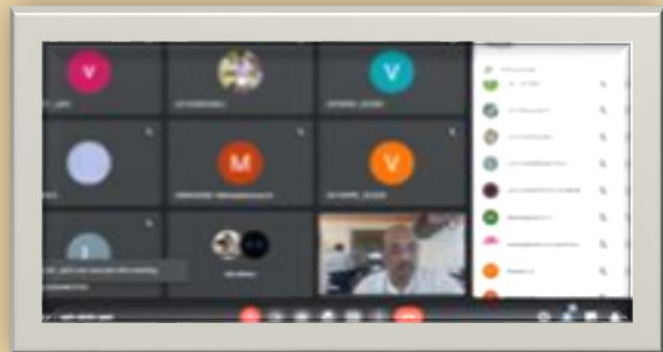
Our department channelized an industrial visit for the third-year students on November 26<sup>th</sup> 2022 to “**BHARAT HEAVY ELECTRICALS LIMITED [BHEL] IN RANIPET**”. Transport arrangement (two buses) was made during the **INDUSTRIAL VISIT** were each bus accompanied with 40 students and four faculties (two in each bus) were also sent along with the students



# CONFERENCES



DST-SERB Sponsored  
First national Conference on  
**“EMERGING TRENDS IN  
INTELLIGENT SYSTEMS  
AND SMART  
COMMUNICATION”**  
(ETISSC-22) on 11<sup>th</sup> & 12<sup>th</sup> of  
November 2022.  
**DR.K.MOUROUGAYANE,**  
Programme Director, Scientist-  
F, Head DSP & EP Division,  
Sameer –CEM, Chennai as  
Chief guset in the progamme.  
The two days conference was  
widely used by all department  
students of our college and  
there were various participants  
from other college also.





# SEMINARS/WEBINARS



**Dr. G.RAJKUMAR**, Assistant Professor, Amrita Viswa Vidyapeetham gave a seminar on **“MODELING AND CONTROLLING OF DRONES USING MATLAB”** on 30<sup>th</sup> September 2022.



ONLINE webinar on **“BUSINESS PLAN FOR NEW VENTURE”** was given by **Mr. ROSHAN KISAN BONDE**, Assistant Professor, Innovation Ambassador, Convener and Member of IIC from Dr.Babasaheb Ambedkar Technological University, Maharashtra



# WORKSHOPS



A one day Workshop was organized in our department in **“EXPLORING DEEP LEARNING TECHNIQUES FOR ENGINEERS”** by **MS. R. NATHYA**, Project Engineer from **PANTECH SOLUTIONS**, Chennai on 16<sup>th</sup> September 2022. About 177 students attended the workshop which was more effective for them.



## IN-PLANT TRAININGS

### II-YEARS

- ✚ 8 of our present second years attended an IPT in **EDUNET FOUNDATION** (ONLINE) for about 15 days from 23<sup>rd</sup> January to 6<sup>th</sup> February

### III-YEARS

- ✚ 1 of our present third year student attended an IPT in **EDUNET FOUNDATION** (ONLINE) for about 15 days from 23<sup>rd</sup> January to 6<sup>th</sup> February 2023
- ✚ 1 of our present third year student attended an IPT in **EDUNET FOUNDATION** (ONLINE) for about 12 days from 7<sup>th</sup> January to 18<sup>th</sup> January 2023
- ✚ 2 of our present third year student attended IPT in **DLK TECHNOLOGIES** (ONLINE) for about 4 days from 27<sup>th</sup> July to 30<sup>th</sup> July 2022
- ✚ 2 of our present third year student attended IPT in **PANTECH E LEARNING** (ONLINE) on 21<sup>st</sup> January 2023.
- ✚ 2 of our present third year students attended IPT in **NSIC** (ONLINE) for 5 days from 1<sup>st</sup> August to 5<sup>th</sup> August 2023
- ✚ 7 of our present third year students attended IPT in **NSIC** (ONLINE) for 8 days from 1<sup>st</sup> August to 8<sup>th</sup> August 2023

### IV-YEARS

- ✚ 1 of our present final year student attended IPT in **GRAPHIC DESIGNING** (ONLINE) for 76 days from 8<sup>th</sup> September to 22<sup>nd</sup> November 2023
- ✚ Our present final years of about 118 students attended **IBM TRAINING** (ONLINE) for 123 days from August to November 2023

## 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.

**DEAN**

*Dr. V.R. RAVI*

**HEAD OF THE DEPARTMENT**

*Dr. S. HEMAJOTHI*

**EDITORS**

**FACULTY MEMBERS**

*Ms. C.D.MERLIN*

*Mrs. M.MENAKA*

**STUDENT MEMBERS**

*RANJITH R (II Year ECE)*

*RAJESHKUMAR M (III Year ECE)*

*ABISHEK RONJAN R C (IV Year ECE)*