

OCTOBER 2021

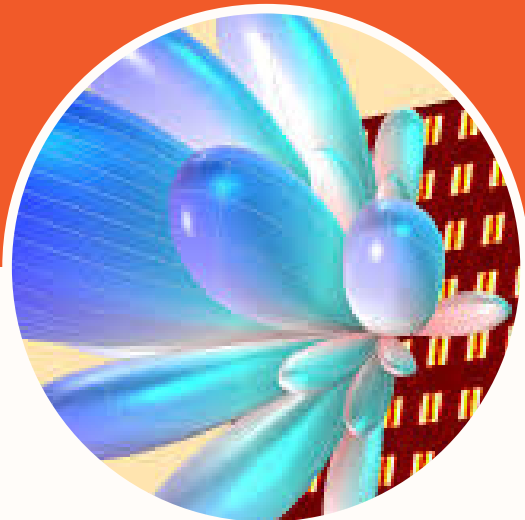


Department of Electronics and Communication  
Engineering

*The Department News letter*

## **ECE BUZZ**

*October 2021 : Issue 02*



**“TECHNOLOGY IS BEST WHEN IT BRINGS PEOPLE  
TOGETHER.”**

*Matt Mullenweg*

**“GREAT IDEAS HAVE THE POWER TO SHIFT PERCEPTION  
TO CREATE VALUE WHERE IT DIDN'T EXIST BEFORE.**

## HOD'S MESSAGE

**DR.J.JEYARANI**

It is my pleasure to release this second newsletter of ECE department in this October. As our CEO insisted in his message in the last edition, we are bringing this issue with full participation from the students of our department. We are delighted to share with all of you about the achievements of our students apart from their regular academics. I wish to thank our staff coordinator Mrs. Vanitha who alongwith students brought this newsletter as a whole issue... Thank you.



**LEADERSHIP**  
is the **CAPACITY**  
to **TRANSLATE**  
**VISION** into  
**REALITY**

# **ELECTRONICS AND COMMUNICATION STUDENTS ASSOCIATION PRESIDENT'S ADDRESS**

*Written by S.SURIYA*

On behalf of ECSA, I wholeheartedly thank our department HOD & faculties who gave the idea to produce this newsletter for the very first time at CARE. This newsletter brings us an opportunity to show our talents to the others. I am on the cloud nine to see that my department colleagues have achieved great while other department students haven't done it yet. My department faculties lead and impulse the students in a way that they perform tremendously in our field which are useful for the society.

The main aim of ECSA is to undercover a mind that scintillates with brilliance and to appreciate adroit students working with high frequency in the field of Electronics & Communication. This newsletter shows the achievements done by our department students which will be a motive for the upcoming engineers of our department to smash their talents.



All power  
is within  
you; you  
can do  
anything  
and  
everything.



# STUDENTS ACHIEVEMENTS

## S.SURIYA,ECSA PRESIDENT - IV ECE

1. Attended more than 50+ online webinars in the field of Python programming, Machine learning, Data Science, Artificial Intelligence, Deep Learning & Internet of Things from various companies like Pantech Ltd, Let's Talk WAC, NIT Kharagpur-STEP, IETE Mumbai, Adamas University etc...Some of them are

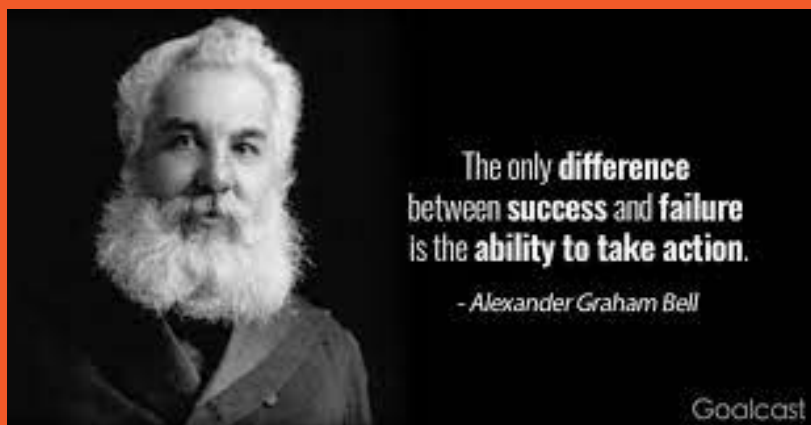
- Conversational Bot Design
- Brain Computer Interface
- IOT Applications with Microsoft Azure
- IOT Cloud for healthcare applications
- DL technologies- CNN, R-CNN
- DL using Tensorflow&Keras
- ML prediction on Covid-19 Dataset
- ML with Open CV
- Python programming & its Industrial Applications
- Navigation Assistance using Python

2.Participated in various competitions such as

- CISCO Codeathon for python programming
- MIT Samhita Hackathon
- SIH 2020 Grand finale conducted by AICTE
- Tribes India Quiz, International Yoga Day Quiz- my gov

3. Presented paper in the events like

- ConfCall'19 - ISTE sponsored National Conference held at Parisutham College of Technology & Science, Thanjavur.
- Techexplo'20 - National Level Technical Symposium held at Mookambigai College of Engineering, Pudukottai.



## STUDENTS ACHIEVEMENTS

### S.SURIYA,ECSA PRESIDENT - IV ECE

4. Attended workshops in the domain of IOT, Data Science & Machine Learning such as

- 'IOT Workshop' held at NIT, Trichy.
- 'Online Data Science Workshop' conducted by Internspool.

5. Attended internships in the domain of IOT & Machine Learning such as

- Robotics - Pantech ProEd Private Ltd
- IOT using Machine Learning - Allytech

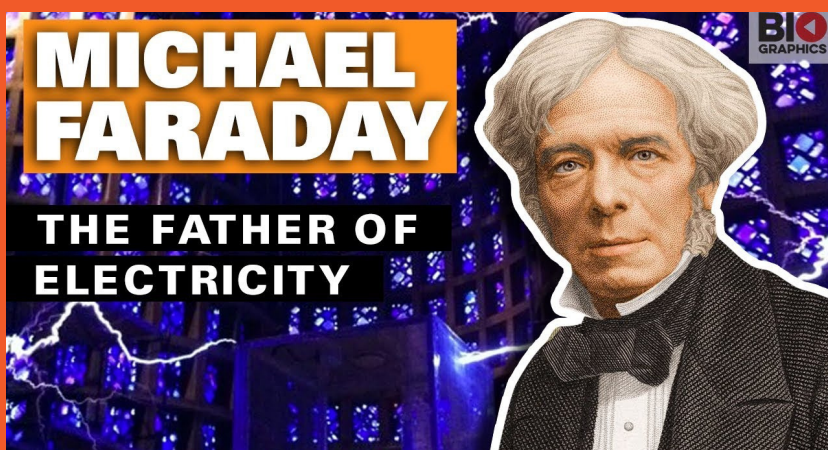
6. Participated in five days Webinar Series 'Digital Congruence in Electronics & Communication' conducted by Dr.NGP Institute of Technology, Coimbatore.

7. Completed 15+ Coursera courses in the domain of Machine Learning & Data Science such as

- Data Science Math Skills by Duke University
- Tools for Data Science by IBM
- Getting started with AWS Machine Learning - AWS Cloud
- Introduction to Philosophy by University of Edinburgh
- Data Science in Real Life by John Hopkins University
- The Science of Success - University of Michigan etc...

8. Completed 10+ Great Learning courses in the domain of Machine Learning & Python Programming such as

- Data Visualization using Python
- Python for Machine Learning
- Statistics for Data Science
- Machine Learning Foundations
- Statistical Learning



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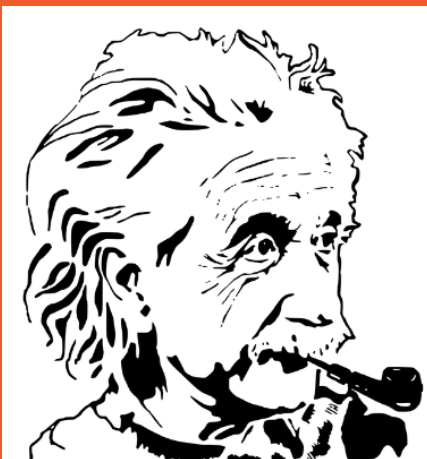
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- Machine Learning Foundations
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If you cannot  
explain it simply,  
you do not  
understand it well  
enough

- Albert Einstein

## STUDENTS ACHIEVEMENTS

### S.SURIYA,ECSA PRESIDENT - IV ECE

9. Completed Online Certification Courses other than Coursera & Great Learning are

- Blockchain & Cryptocurrencies, Wordpress for Beginners - Udemy
  - MATLAM Onramp, ML Onramp, DL Onramp - MATLAB
  - Data Science Masters Program - Grey Atom
  - Interview Skills - TCSion
  - Linear Regression in ML, Fundamentals of Data Analytics - ATH Leaps
10. Acquired "CISCO Networking Academy Course Certificate" for python programming jointly provided by ISTE & CISCO.
11. Teaching Communication English for his friends with class named "FUN WITH ENGLISH" from Jan 2021 where they can improve their communication skills without any hesitation.
12. Teaching tuition for school students from the lockdown period till 12th std students.

### K.SHIFANA BEGUM - IV ECE

1. Attended 5+ webinars in Pantech Ltd such as

- SLAM Robotics
- AI based Object Detection
- Brain Wave Controlling Robots
- Python programming & it's applications etc.

2. Attended three days workshop on 'Python programming for Beginners' by International Journal of Novelty Research in Science, Engineering & Technology, Salem.



# STUDENTS ACHIEVEMENTS

## K.SHIFANA BEGUM - IV ECE

3. Completed 2 courses in Eduonix Learning Solution namely “ Be White Hat Hacker And Pen Tester” & “Machine Learning Terminology And Process”
4. Completed a guided project on Full Website Designing using Wordpress in Coursera.
5. Attended a three days workshop on “R Programming” by Hyderabad Institute of Technology & Management.
6. Participated in Smart India Hackathon 2019 Finals conducted by AICTE.
7. Participated in Online Quiz on “Microprocessor & Microcontroller” by Alagappa Government College, Karaikudi.

## A. DIVAKAR - IV ECE

1. Completed online certification course “Python for Machine Learning” by Great Learning.
2. Completed online certification course “Java tutorial for beginners” by Skillzcafe.
3. Serving as NSS Volunteer for the past 5 years.
4. Attended internships in the domain IOT & AI such as
  - Robotics - Pantech ProEd private Ltd.
  - Artificial Intelligence - Pantech E-learning.
5. Teaching tuition for school students from the lockdown period till 10th std students.



The journey matters as much as the goal.





# STUDENTS ACHIEVEMENTS

## V.BALAKRISHNAN - IV ECE

1. Attended internship in Techvolt Company, Coimbatore in the topic "IOT".
2. Started a Youtube channel in this second lockdown named "Bala's food".

## P.NAGARAJAN - IV ECE

- 1.Attended internships in the domain IOT & AI such as
  - Robotics - Pantech ProEd private Ltd.
  - Artificial Intelligence - Pantech E-learning.

## N.LAKSHMI PRIYA - IV ECE

- 1.Attended more than ten webinars in Pantech Ltd such as
  - Recent Trends in Power Electronics using MATLAB
  - Deep Learning using Python
  - Raspberry Pi with OpenCV
  - Electric Vehicle Design
  - Trends & Technologies in VLSI etc...
- 2.Attended internships in the domain IOT & AI such as
  - Robotics - Pantech ProEd private Ltd.
  - IOT using Machine Learning - Allytech
  - Artificial Intelligence - Pantech E-learning.
3. Won third & second place in Zonal level badminton tournament in 2019 & 2021 respectively.

## R.BHAKKIYA, ECSA SECRETARY - IV YEAR

- 1.Attended 10+ webinars in Pantech Ltd such as
  - Recent Trends in Power Electronics using MATLAB
  - Deep Learning using Python
  - How the Agri & IOT get connected



# STUDENTS ACHIEVEMENTS

## R.BHAKKIYA,ECSA SECRETARY - IV YEAR

2.Attended internships in the domain IOT & AI such as

- Robotics – Pantech ProEd private Ltd.
- IOT using Machine Learning – Allytech.

3. Won third & second place in Zonal level badminton tournament in 2019 & 2021 respectively.

4. Opened a badminton court named “SR Badminton Court” in the first lockdown & conducted 3+ district level tournaments.

5. Opened a food court named “FOOD O HOLIC” in the second lockdown period.

## P. ADITHYA - III ECE

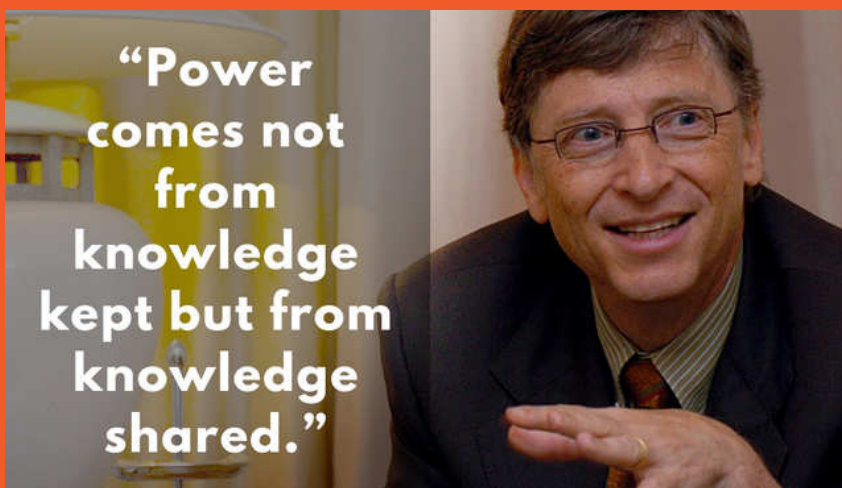
1. Attended a webinar on “Different Methods to Characterize or test the antenna” by Tesla Minds, Chennai.

2. Attended more than 5 webinars in Pantech Ltd. Some of them are

- Advanced IoT & Embedded system
- Artificial Intelligence & Machine Learning
- PCB design & its Applications
- Communication with Matlab
- Wireless charging for electric vehicle

3. Attended a webinar on “Beginners in RF Design” by Tesla Minds, Chennai.

4. Participated in Enviquiz-Green India 2021 and Nature's hunt event - Green India 2021 conducted by KRCT, Trichy.



# STUDENTS ACHIEVEMENTS

## P. ADITHYA - III ECE

6. Completed internship programs are

- Electric Vehicles by Esanskar.

Artificial Intelligence by Pantech Ltd.

7. Attended “National level online examination on electric vehicles” conducted by EVARS.

8. Completed two week valueadded course on “Automation Using Sensors” by Siemens centre of Excellence, Trichy.

9. Attended a “Inplant training in Embedded Systems” by Codebind Technologies.

## S. RAJARAJESHWARI - III ECE

1. Attended a webinar on “Different Methods to Characterize or test the antenna” by Tesla Minds, Chennai.

2. Completed two week value added course on “Automation Using Sensors” by Siemens centre of Excellence, Trichy.

3. Secured 1st prize in Enviquiz-Green India 2021 by KRCT, Trichy.

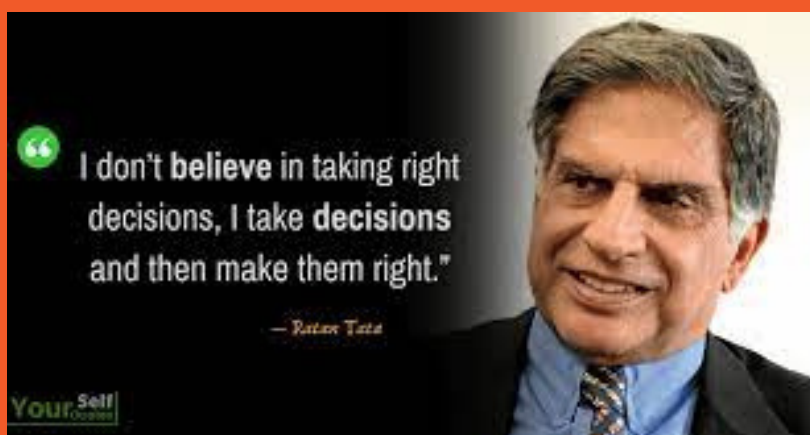
## K. NISHANTH - III ECE

1. Attended a webinar on “Different Methods to Characterize or test the antenna” by Tesla Minds, Chennai.

2. Completed two week value added course on “Automation Using Sensors” by Siemens centre of Excellence, Trichy.

3. Completed 5+ courses on Coursera. Such as

- Strategic Innovation: Building and Sustaining
- Write Professional Emails in English
- Programming for Everybody (Getting Started with python)
- Introduction to Philosophy



## STUDENTS ACHIEVEMENTS

### K. NISHANTH - III ECE

4. Completed 4 courses on Skillzcafe. They are

- Digital Manufacturing & Design
- Learn Data Science Tutorial
- R for Data Science
- Getting Started Web Development Tools

### R. VIJEI - III ECE

1. Completed two week value added course on “Automation Using Sensors” by Siemens centre of Excellence, Trichy.
2. Attended a webinar on “Beginners in RF Design” conducted by Tesla Minds, Chennai.

### S. GUNASEKARAN - III ECE

1. Completed two week value added course on “Automation Using Sensors” by Siemens centre of Excellence, Trichy.
2. Attended a webinar on “Different Methods to Characterize or test the antenna” by Tesla Minds, Chennai.

### K. AJAY KUMAR - III ECE

1. Completed two week value added course on “Automation Using Sensors” by Siemens centre of Excellence, Trichy.

### R. NITHYA - III ECE

1. Completed two week value added course on “Automation Using Sensors” by Siemens centre of Excellence, Trichy.

”

Success can  
come to you by  
courageous  
devotion to the  
task lying in  
front of you

~ C.V. RAMAN



## STUDENTS ACHIEVEMENTS

### M. CITYBABU - III ECE

1. Completed two week value added course on "Automation Using Sensors" by Siemens centre of Excellence, Trichy.

### S. DHINAKARAN - III ECE

1. Completed two week value added course on "Automation Using Sensors" by Siemens centre of Excellence, Trichy.

### G.VIGNESHWARAN - II ECE

1. Won third place in Divisional level badminton tournament in 2021.
2. Completed Internship in Ally tech on the title "Core Based Technologies"

### M.AFROSE JAMILA- II ECE

Completed Internship in Ally tech on the title "Core Based Technologies"

### D.ANANDHACHANDRU-II ECE

Completed Internship in Ally tech on the title "Core Based Technologies"

### K.BALAMURUGAN-II ECE

Completed Internship in Ally tech on the title "Core Based Technologies"

### R.JANCY RANI-II ECE

Completed Internship in Ally tech on the title "Core Based Technologies"

### S.KRISHNAMOORTHY-II ECE

Completed Internship in Ally tech on the title "Core Based Technologies"



**CARE** COLLEGE OF ENGINEERING  
Approved by AICTE, Affiliated to Anna University, Chennai

**Department of Electronics & Communication Engineering**

Warmly invites you to  
**A State Level Online Event**

# **LEISURE TIME LITS!**

**REGISTRATION LAST DATE**  
**AUG 12**

**SUBMISSION LAST DATE**  
**AUG 15**

Who can participate?  
*10th, 11th, 12th & Diploma Students*

Create, Clip, Congnitize  
Feet on Fire  
Worry less, Sing more  
Content edu Kalaichu vidu  
Karpanai Thooval  
Innovative Thinkers  
Quarantine Frames

**FREE REGISTRATION**  
<https://forms.gle/SJQSAhfNz7ckhmt97>

**Win Exciting Prizes**

**FOR DETAILS, CONTACT**  
**SURIYA S**  
© 9345519032  
@ hertz.ecsa@gmail.com

## **LEISURE TIME LETS**

**Department of Electronics and Communication Engineering conducting an online event “Leisure Time Lits” for school and Diploma students**

**CARE**   
COLLEGE OF ENGINEERING

 **IEEE**  
CARE COLLEGE OF ENGINEERING  
STUDENT BRANCH

DEPARTMENT OF ELECTRONICS AND COMMUNICATION  
ENGINEERING

*Cordially invites you for the*

**FIVE DAYS WORKSHOP**  
ON  
**INTERNET OF THINGS  
AND ITS APPLICATIONS**

 **AUG** 23.08.2021 TO 27.08.2021

**IoT**



For Registration



<https://forms.gle/DYVhRhRCFGNp8M4v7>

 THROUGH  
GOOGLE MEET

## FIVE DAYS WORKSHOP ON INTERNET OF THINGS AND ITS APPLICATIONS

Department of Electronics and Communication Engineering conducting five days workshop on “Internet of Things and its Applications” from 23.08.2021 to 27.08.2021.

**CARE**   
COLLEGE OF ENGINEERING  
DEPARTMENT OF ELECTRONICS  
&  
COMMUNICATION ENGINEERING

## INAUGURATION OF ECSA



30 /08/2021 @ 11 AM



Chief Guest  
**Mr.GNANAVEL  
MUTHARASU**  
CEO,ZEALBOTS  
FINLAND

**WELCOME YOU ALL!!!**   
INAUGURATION OF ECSA

### Executive members

- S. Guna sekaran, III Year ECE
- Gadireddy Sameera, II Year ECE
- M.Afrose Jamila, II Year ECE

The Department of Electronics and Communication Engineering inaugurated the Electronic and Communication Students Association (ECSA) on 31.08.2021 at 11.00 A.M through Google Meet.

The chief guest for the event was DR. Gnanavel Muthuarasu, CEO, ZEALBOTS, Finland.

Dr. S.Shanthi, Principal, CARE College of Engineering delivered the Felicitation address and Dr. J.Jeyarani, Head of the Department introduced the office Bearers and the function come to an end by 12.30 A.M.

The following students were elected as the Association members.

- **President – D.Suriya, IV Year**
- **Vice president –S.Raja Rajeswari, III Year**
- **Secretary – R.Bhakkiya, IV Year ECE**
- **Joint Secretary – P.Adithya,III Year ECE**
- **Treasurer – M.Gopinath, IV Year ECE**
- **Joint Treasurer – R.Gokul, II Year ECE**



## RECEIVED BEST DEPARTMENT OF THE YEAR 2020



## RECEIVED BEST FACULTY OF THE YEAR 2020



## UPCOMING MONTH

### OCTOBER

- In first week of October a webinar will be conducted in Adhoc and wireless Networks recent research for the final year students.
- In second week alumni meet were planned to get some ideas for the budding students
- In the third week technical events were planned from the association in IEEE student branch.
- Also a guest lecture on embedded systems was planned for final year students.
- A mini project expo was planned to be held in the last week of the month.
- A guest lecture was planned on optical communication to provide the key insights in the subject for the final year students in the month

### NOVEMBER

- To give an eye opening for the school teachers and students every year two outreach programmes were planned, which is planned in the first week of this month.
- An industrial visit to siemens centre is planned to give some exposure to the students and faculty.

### DECEMBER

- In the first week training on Soft Skills & Govt exam/ GATE Exam preparation week will be given for the students.
  - In the second week, A National level Conference was planned for other college participant's.
  - In the end of the semester holidays VAC, Internships & Industrial Training (In association with Teslaminds & Siemens centre of excellence) will be organized.
-