

# GRT INSTITUTE OF ENGINEERING AND TECHNOLOGY, TIRUTTANI



Approved by AICTE New Delhi and Affiliated to Anna University Chennai.

# DEPT OF ECE "ELECTROVISION" JULY'21 - DECEMBER'21 ISSUE GRT MAHALAKSHMI NAGAR, CHENNAI-TIRUPÁTHI HIGWAY,

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### **ABOUT THE COLLEGE**

GRT Institute of Engineering and Technology, the jewel in the crown of GRT Group of Educational Institutions promoted by Sola Raju Dhaunuskodi Raja Thai Ammal Memorial Educational Charitable Trust. The College is managed by GRT Group which is a house hold name in this country. The group is headed by a great visionary and philanthropist Shri G. Rajendran who is a life-time award in the field of Jewellery for his outstanding contribution to the Jewel Industry. The chairman of the Group is a familiar and reputed entrepreneur with Midas touch of success in the areas of Jewellery, hotel chains and non-conventional power. He is committed for quality and perfection.

It is the dream of the chairman to provide aspiring technocrats, the right knowledge base and rigorous training in order to make them a force to reckon with the global Engineering Industry. The trust comprises a team of highly respected and recognized professionals in the field of Education ,Hotel Industry ,Management , Jewellery dedicated in creating an institution imparting High quality technical education to the students community in the rural area.

GRT Group of Institutions has emerged as premier educational Institutions providing not only quality engineering, nursing and teacher education to mould the students into technologically sound, efficient, effective and creative, but also to mould them into responsible global citizens. The college bestows, with the guidance of the scholars, the relevant knowledge and training to make the students successful entrepreneurs, scientists, engineers, educationists and health care experts.

The GRT Group of Education Institutions is promoted by Mahalakshmi Education & Charitable Trust. This Organization was initiated by the visionary Sri.G.Rajendran – the chairman of the GRT Group and well supported my his son Shri.G.R.Radhakrishnan - Managing Director of GRT Group.

The sheer dedication and commitment in offering quality education has made GRT Group of Education Institutions grow from strength to strength each year. Today the group comprises GRT Institute of Engineering and Technology, GRT College of Nursing, GRT College of Education, GRT College of Pharmacy, GRT College of Health Inspector and GRT Mahalakshmi Vidyalaya Matriculation Hr.Sec. School. Each one has come to be known as reputed institution of its own field.

GRT Institute of Engineering and Technology, was established in the year 2008 and has already grown in to one of the most reputed institution in the city. The desire of the chairman is to provide aspiring technocrats the right knowledge base and proper training in the field on par with leading institutions of the world. The courses offered are: B.E. (Bio-Medical, Computer Science, Electronics and Communication, Electrical and Electronics and Mechanical.) M.B.A (Business Administration).







### **Chairman's Message**

I am extremely happy in releasing the Monthly newsletter, highlighting the activities of the department during academic year 2022 (July 2021 – December 2021). The laudable exercise of the students and staff of this Institution has already brought I congratulate the staff and students for this achievement. I wish that everyone continue their untiring efforts not only to retain this award but to grow to further high standards. I congratulate all the editorial members for releasing this newsletter.

Shri.G.Rajendran



### MD's Message

Self-Confidence is the essential ingredient to accomplish a task successfully. It is a skill that has to be developed and nurtured. It comes by developing a strong belief that something within is stronger than the task itself. It is not about doing things correctly, but it is about doing things without fear of being wrong. Do not accept failure, work hard and be persistent on task at hand. In this regard, I Congratulate the Electronics and Communication Engineering Department, GRTIET for their initiative to bring out this Newsletter as an earnest endeavor to encourage and document the regular academic as well as other extracurricular achievements of the department as a whole.

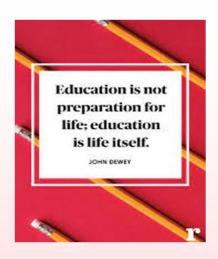
Shri. G. R. RadhaKrishnan



### Principal's Message

I am delighted in addressing the members of Electronics and communication engineering through this newsletter which will benefit the students and will encourage them to accomplish things. There is famous saying "Even if I knew that tomorrow the world would go to pieces, I would still plant my apple tree". Accordingly I wish the students to excel and be distinguished in their respective area of interest. I adulate the efforts made in publishing the first issue of the newsletter. I wish all the participants all the best and to make use of this opportunity. I thank the management HOD, staff and organizers for releasing this news letter.

Prof. Dr. S. Arumugam



### **Inside this issue:**

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Education is the most powerful weapon which you can use to change the world.

Nelson Mandela

### **HOD / ECE - Message**

Education is what removes our doubts and fears; what makes us happy and peaceful; what makes us better human beings" In today's world, everyone aims for a fast-track career. The key requirements for career growth are continuous learning, improving one's skill-sets and being competent. We can either learn from our mistakes or from other people's experiences and



teachings. Department of ECE took a good number of initiatives during the covid'19 pandemic induced lockdown to ensure that there is no academic loss of the students. This edition will comprise the achievements by faculty members and students and also, the events that took place in the department during the academic year 2022 (July 2021 – December 2021) . I congratulate the Editorial Board for their effective work in making this into a reality.

Dr.P.Sivakumar

### **Editor's Message**

## Welcome to the issue of ECE Department Newsletter-(July'21-Dec'21)

Primary objective behind this initiation is to strengthen our ties with our students, alumni, staff, parents, industries and all other stack holders of the institute. The newsletter indents to act as a communication tool that will not only give information about activities on campus but also will educate, Inform and motivate its readers on various issues of interest. It will also provide a platform to an individual to disseminate creative ideas. We are overwhelmed by the response that we received from students, faculties and staff in making this newsletter possible. In this newsletter, we have reported significant achievements and activities of department as well as individual student and staff. Details of recent events held in the Department are also reported. Training and placement statistics are also been presented.



### **ABOUT THE DEPARTMENT**

Department of ECE was established in 2008 with 60 students. The department allots equal importance to both electronics and communication engineering. The Department has been accredited by National Board Of Accreditation for 3 years from Academic Year 2018-19. The department boasts of dedicated staffs who work tirelessly to bring out competent, disciplined and technologically sound engineers. Moreover, our department prepares engineers in state of the art technologies in a conducive learning atmosphere, which ensures better interaction between students and staff through counseling. We also have a fully equipped laboratory that enhances the students' experience in solving practical engineering problems. Faculty members having ample experience in the areas of specializations include VLSI Design, Communication Systems, Networking, DSP, and Embedded Systems, DIP, Medical Electronics and related software& hardware Tools.











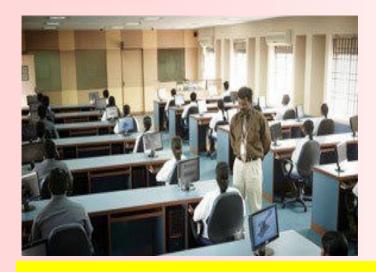


### **INSTITUTE VISION**

To be at the forefront of technical education, turning out high quality engineering and technical manpower to meet global needs, through academic excellence, stimulating a research-oriented ambience and inspiring teaching.

### **INSTITUTE MISSION**

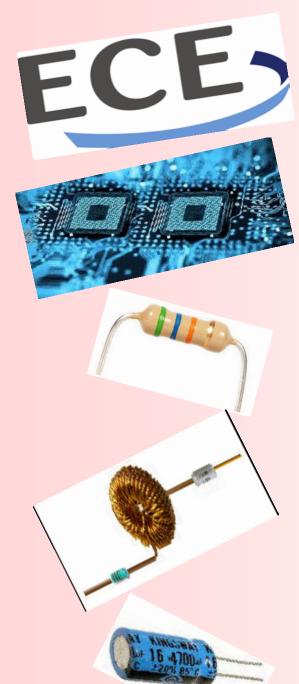
- Inculcating a culture of quality in all spheres of teaching and learning.
- Providing fully equipped state of the art infrastructure and facilities.
- Creating an academic ambience for students to realize their dreams.
- Practicing innovative and interactive teaching in theory and practice across Curriculum.
- Implementing placement and training activities for holistic development, from year one onwards.
- Generating a future ready culture, that embraces challenges and acts as a change catalyst.











### **DEPARTMENT VISION**

To empower the students in future trends of Electronics and Communication Engineering, satisfying the societal needs ethically and promoting research activities in latest technologies among the students to produce a quality engineers and powerful entrepreneurs

### **DEPARTMENT MISSION**

M1.To provide a special learning environment to empower the students to confront the challenges of the Electronics and Communication Engineering field.

**M2.** To provide ethical and value based education by promoting activities addressing the societal needs.

**M3.**To fulfill the research interests of faculty and students by promoting and sustaining in house research facilities so as to obtain the reputed publications and patents.

**M4.**To provide quality education and to impart entrepreneurial and employable skills.

### **DEPARTMENT HIGHLIGHTS**

### **DEPARTMENT HIGHLIGHTS** 1 **AWARDS GUEST LECTURES** INDUSTRIAL VISITS 5 DEPARTMENT ACTIVITIES **BOOK CHAPTER / PATENTS** NATIONAL / INTERNATIONAL 1 **JOURNALS** 20 NPTEL ONLINE COURSES 37 FDP / WORKSHOP 9 WEBINAR / SEMINAR

Internet of Things Laboratory (IoT), an initiative of ECE Department provides most advanced and best solutions in key areas of Cloud Computing, Automation, etc.

Congratulations to our Faculty,

Mr. S V DHARAN IKUMAR, who received a prestigious award

"YUVA ACHARYA"

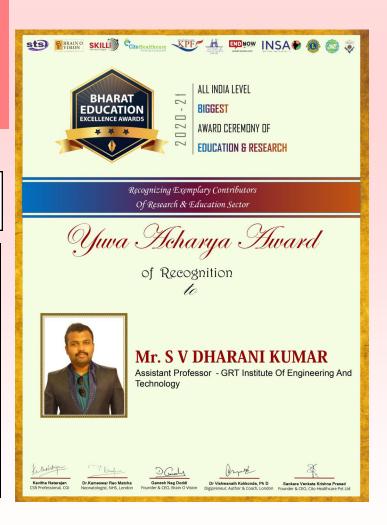
by

All India Level Biggest Award Ceremony of Education Research.

From

BHARATH EDUCATION EXCELLENCE AWARDS

### NBA Accreditation is Extended



### EXPERT LECTURES / SEMINARS



**Engineers** 

Guest Lecture on "Recent Trends in Network Security."13.09.2021 by Mr.MadhanRaj.V, Director & Senior Trainer, Sanscloud Technology, Chen-



Guest lectures help students to improve their learning in a more interactive, topic specific way.

**Engineers** 

Also students get new perspectives and opinions that are often missed in a regular class



Guest Lecture on "RF Front End Design: Career & Entrapreneurship Oppurtunities "26.10.2021 by Mr.T. Jayanandan, CEO, Tesla Minds, Chennai.



### INDUSTRIAL VISITS

Industral visit to Final Year ECE Students to "KAASHIV INFOTECH, ANNA Nagar, Chennai." on 14.09.2021.

### Highlights of the Industrial visit:

- 1. Introduction about software field and its business values.
- 2. Software Training on Artificial Intelligence and practical sessions
- 3. To Given ideas in the Artificial intelligence and thought the current trend in the job market.
- 4. The Industrial visit provide a clear picture to choose students career either job or higher studies.
- 5. To obtain a job proficient networking skills and artificial intelligence.





Industral visit to Third Year ECE Students to "TRIOS Technologies Pvt Ltd, Ashok Nagar Chennai" on 15.09.2021.





Industrial visits provide students a practical perspective on the world of work

### Highlights of the Industrial visit:

- 1. Introduction about IOT and its business values.
- 2. Hardware Training on IOT Board and practical sessions
- 3. To Given ideas in the signals & sensors and also thought the Binary code systems
- 4. The Industrial visit provide a clear picture to choose students career Either Hardware job or software based jobs.
- 5. To obtain a job proficient in WIFI MODULATORS and IOT.

### INDUSTRIAL VISITS

Industral visit to Second Year ECE Students to "Rajiv Gandhi Memorial Telecom Training Center, Meenambakkam, Chennai." on 21.09.2021.

### Highlights of the Industrial visit:

- 1. Introduction about wireless communication and Networking.
- 2. Hardware Training on IOT Using Raspberry PI and practical sessions
- 3. Broadband systems
- 4. IOT LAB controlling home appliances using Raspberry PI.
- 5. SDH SYSTEMS
- 6. 2G,3G,FIBER TO home,BTS
- 7. To Given ideas in the Networking field and thought the current trend in the job market.
- 8. The Industrial visit provide a clear picture to choose students career either job or higher studies in networking.
- 9. To obtain a job proficient in networking skills and wireless communication





Industral visit to Final Year ECE Students to "Global Techno Solutions Pvt Ltd, Chennai." on 22.09.2021.



### Highlights of the Industrial visit:

- 1. Introduction about Python and Embedded and Real time systems.
- 2. Hardware Training on Embedded systems and practical sessions
- 3. Briefly explained about computer vision
- 4. To Given ideas in the Artificial Intelligence& Image processing and thought the current trend in the job market.
- 5. The Industrial visit provides a clear picture to choose students career either job or higher studies in embedded systems.
- 6. To obtain a job proficient in Python and Embedded systems.

### INDUSTRIAL VISITS

Industral visit to Second Year ECE Students to "TRIOS Technologies Pvt Ltd, Ashok Nagar Chennai" on 20.10.2021.

### Highlights of the Industrial visit:

- 1. Introduction about IOT and its business values.
- 2. Hardware Training on IOT Board and practical sessions
- 3. To Given ideas in the signals & sensors and also thought the Binary code systems
- 4. The Industrial visit provide a clear picture to choose students career Either Hardware job or software based jobs.
- 5. To obtain a job proficient in WIFI MOD-ULATORS and IOT.





Industral visit to Third Year ECE Students to "SANSBOUND, Chennai." on 23.09.2021.

### Highlights of the Industrial visit:

- 1. Introduction about computer Networks.
- 2. LAN and WAN concepts
- 3. To Given ideas in the Network Interface card(NIC)
- 4. To obtain a job proficient in How to interface the LAN.



Industrial visits provide students a practical perspective on the world of work



### ENGINEERS DAY on 15.09.2021

**In Remembrance of Sir M Visvesvaraya,** the great engineer who helped in building some of the architectural marvels including Krishna Raja Sagar dam in Karnataka, Department of ECE celebrated Engineers Day with students innovation.







Scientists dream about great things.

Engineers do them.



### Parents Teachers Meeting - 25.09.2021









Parent-teacher meeting works as a connecting link between parents and teachers as the parents know how the child behaves and is doing at home while the teachers would know about their behavior at College. The union of the teacher's feedback and parent's concern can immensely help the Student educational journey.

### MoU - 06.10.2021







### Highlights of the MoU:

- 1. Consultancy Work
- 2. Internship cum Placement opportunities
- 3. Software Development
- 4. Faculty Development programs
- 5. Bootcamps
- 6. Project assistance to final year students
- 7. Seminars/Workshop on recent developments in the field of Computer Science.
- 8. Imparting on training to faculty on emerging areas. Providing opportunity to students to work with the technology available at Resource Sharing.

### Mega Tree Plantation - 21.10.2021

By planting more trees, it will contribute to global reforestation efforts, restoring lost forests, repairing damaged ecosystems and mitigating climate changes. Hence we Planted trees on 21.10.21 inside the College Campus







### TECHNICAL SYMPOSIUM

Our department Organized "TECHNICAL SYMPOSIUM" on 30.10.2021. as an intercollege competition among the students to enhance their skills.

### Highlights of the Technical Symposium:

- 1. Compelling Symposium-wide Plenary talks.
- 2. Opportunities for students to meet with interested industry representatives
- 3. Conference keynote presentations throughout the Day.
- 4. Conference social events including Lunch followed by Non Technical Events.









S.No	Name of the Faculty	Event	Торіс	Venue Details	Date
					/Year Details
		Workshop	An Overview of the NAAC Accreditation process and how to get a good NAAC Grade.	M.G.R University	21.6.21 to 22.6.21
		International Conference	MCCDMA System Networks over fadingchannel with Awgn noise	Loyola Institute of Technology	21.6.21
		FDP	Emerging techniques in biomedical instrumentation	KL university	28.6.21 to 3.7.21
1	Dr.P.SIVAKUMAR	One Day Webinar	Student Support Systems & Practices	Rajalakshmi Engineering College, Thandalam, Chennai	21.7.21
	DIT SIVINGWIN	Book Chapter	Smart Drowsiness Detector to alert surgeons at times of Operating.	Renewable Energy with IoT and Biomedical Applications	Aug-21
		Online Course	Python for Data Science	NPTEL - SWAYAM	Aug-21
		FDP	Digital VLSI Design and Verification	Bangalore Institute of Technology, Bangalore	23.8.21 to 27.8.21
		FDP	Artificial intelligence and IoT Applications in Electrical Engineering.	Arasu Polytechnic College, Kumbakonam	31.8.21 to 04.9.21
	Dr. C.RAVICHANDRAN	Patent Publications,	Design and Implementation of Intelligent Parking System Using IOT	The Patent Office Journal No. 35/2021 ,Page. No:38189 Patent Application No: 202141037285 A	27.8.21
2		International Journal	Hybrid Descriptor for Joint Video Compression	Journal of Interdisciplinary Cycle Research, Volume XIII, Issue VIII August / 2021 Page No: 1170-1180, ISSN NO: 0022-1945. Scientific Journal Impact Factor-1.3	Aug- 21
		FDP	Patenting Procedures—An Overview	Sree Vidyaniketan Engineering College, tirupathi, AP	30.9.21
		WORK- SHOP	Converting ideas into intellectual property rights	Annai Vailankanni College of Engineering	10.6.21 to 12.6.21
		FDP	Internet of Things	ATAL - AICTE	07.6.21 to 11.6.21
3	Mr. S. SENTHIL KUMAR	FDP	Quantum Computing	ATAL - AICTE	21.6.21 to 25.6.21
		FDP	Antenna Design and Printing for Practical Applications.	B.N.M Institute of Technology	25.6.21 to 30.6.21
		Workshop	Design and Simulation of Wireless Communication Systems	Bangalore Institute of Technology, Bangalore	1-7-21 to 3-7-21

S.No	Name of the Faculty	Event	Торіс	Venue Details	Date /Year De- tails
		Webinar	Using MATLAB with Python	Mathswork.com	15-07-21
		Webinar	Student Support Systems & Practices	Rajalakshmi Engineering College, Chennai	21-07-21
		Webinar	Automated Labeling and Iterative Learning	Mathswork.com	21-07-21
		Webinar	Stress Management	Rajalakshmi Engineering College, Chennai	26-07-21
		Webinar	A Deep Dive into Deep Learning Modeling	Mathswork.com	28-07-21
		Online Course	Python for Data Science	NPTEL - SWAYAM	Aug-21
3	Mr. S. SENTHIL KUMAR	FDP	Recent Advances in RF & Wireless Communication	Ramaiah Institute of Technology Bangalore and IETE Bangalore Centre.	2.08.21 to 7.08.21
	WIL S. SENTILL KOMAK	Online Course	Learning Analytics Tools	NPTEL - SWAYAM	Aug-21
		Online Course	Introduction to Machine Learning	NPTEL - SWAYAM	Aug-21
		Online Course	Programming Data Structure using Python	NPTEL - SWAYAM	Aug-21
		Webinar	Predictive Maintenance using Deep Learning	Mathworks.com	16.09.21
		Seminar	Qualitative and Quantitative Matrix in RAAF and NAAC	Rajalakshmi Engineering College, Chennai	17.09.21
		FDP	Wireless Communication:A Practical Approach	K.S.Institute of Technology,Bengaluru	9.10.21 to 10.10.21
		FDP	ML - Recent Trends and Applications	SRIT, Anantapuramu, A.P.	7.6.21 - 12.6.21
		WEBINAR	Early Stage Entrepreneurs - Startup and related Ecosystem.	Dr. T Thimmaiah institute of Technology, K.G.F., Karnataka.	14.6.21
		FDP	AI & Machine Learning Using Python	ATAL - AICTE	21.6.21 to 25.6.21
4	Mr.V.SORNAGOPAL	FDP	Antenna Design and Printing for Practical Applications.	B.N.M Institute of Technology	25.6.21 30.6.21
		FDP	Medical Image Processing and 3D Applications	University College of Engineering, (Kakatiya University), Kothagudem	5.7.21 to 9.7.21
		International Webinar	Strengthening Your Understanding of Research Journals	K. J. Somaiya College of Science and Commerce in collaboration with ELSEVIER	10.7.21

S.No	Name of the Faculty	Event	Торіс	Venue Details	Date /Year De- tails
		One Day Webinar	Student Support Systems & Practices	Rajalakshmi Engineering College, Chennai	21.7.21
		Workshop	Writing Effective Research Articles	Sree Narayana Guru College, Coimbatore	24.7.21
		Workshop	Arduino Programming	Pantech eLearning	26.7.21 to 30.7.21
		One Day Webinar	Stress Management	Rajalakshmi Engineering College, Chennai	26.7.21
5	Mr.V.SORNAGOPAL	FDP	Recent Advances in RF & Wireless Communication	Ramaiah Institute of Technology Bangalore and IETE Bangalore Centre.	2.8.21 to 7.8.21
		Online Course	Learning Analytics Tools	NPTEL - SWAYAM	Aug-21
		Online Course	Deep Learning for Computer Vision	NPTEL - SWAYAM	Aug-21
		Online Course	Programming Data Structure using Python	NPTEL - SWAYAM	Aug-21
		Seminar	Qualitative and Quantitative Matrix in RAAF and NAAC	Rajalakshmi Engineering College, Chennai	17.9.21
		FDP	Innovation in Telemedicine in Rural India enabled by Advance- ment in AI Medical Devices and IoT	ATAL - AICTE	15.6.21 to 19.6.21
		FDP	System Engineering	ATAL - AICTE	21.06.21 to 25.06.21
		One Day Webinar	Student Support Systems & Practices	Rajalakshmi Engineering College, Chennai	21.7.21
	Mrs.	Workshop	Arduino Programming	Pantech eLearning	26.7.21 to 30.7.21
6	K.PERIYARSELVAM	FDP	Emerging techniques in biomedical instrumentation	KL university	28.6.21 to 3.7.21
		FDP	Digital VLSI Design and Verification	Bangalore Institute of Technology, Bangalore	23.8.21 to 27.8.21
		Online Course	Python for Data Science	NPTEL - SWAYAM	Aug-21
		FDP	Artificial intelligence and IoT Applications in Electrical Engi- neering.	Arasu Polytechnic College, Kumbakonam	31.8.21 to 4.9.21

S.No	Name of the Faculty	Event	Торіс	Venue Details	Date /Year
		FDP	Recent Advances and Challenges in Nano Scale Device Design, Material and application Perspective	ATAL - AICTE	1.6.21 to 5.6.21
		FDP	Industrial Internet of Things	ATAL - AICTE	7.6.21 to 11.6.21
		FDP	Emerging Trends in the field of AI and ML Applications.	ATAL - AICTE	14.6.21 to 18.6.21
		INTERNA- TIONAL JOUR- NAL	A Novel Method to improve performance of Diffusive MCS with ON / OFF Keying Modulations.	IJRASET	June 21
		WORKSHOP	Development of IoT Products and Patenting	Dr. MCET, Pollachi.	25.6.21 to 26.6.21
		WORKSHOP	ARDUINO PROGRAMMING	Pantech eLearning	26-07-21 to 30-07-21
		One Day Webi- nar	Student Support Systems & Practices	Rajalakshmi Engineer- ing College, Chennai	21-07-21
		WORKSHOP	LEARN TO CODE FOR WEB- JAVA PROGRAMMING	Pantech eLearning	19.07.21 to 23.07.21
	Mr. K BALAJI	one day Webinar	STRESS MANAGEMENT	REC, Chennai	26.07.21
7		WORKSHOP	ELECTRONIC CIRCUIT AND PCB DESIGN	Pantech eLearning	12.07.21 to 16.07.21
		FDP	FPGA Based Deep Learning Applications in Signal Processing	AICTE ATAL	05.07.21 to 09.07.21
		FDP	Digital VLSI Design and Verification	Bangalore Institute of Technology, Bangalore	23/8/21 to 27/8/21
		FDP	Recent Trends in Electrical Engineering	Geethanjali Institute of Science and Technolo- gy	16/08/21 to 23/08/21
		Online Course	Python for Data Science	NPTEL - SWAYAM	Aug-21
		FDP	Artificial intelligence and IoT Applications in Electrical Engineering.	Arasu Polytechnic College, Kumbakonam	31.08.21 to 04.09.21
		Seminar	Qualitative and Quantitative Matrix in RAAF and NAAC	Rajalakshmi Engineer- ing College, Chennai	17.09.21
		Workshop	Internet of Things - Master Class	PANTECH	19.09.21 to 18.10.21
		Workshop	Self Driving Car	PANTECH	21.10.21 to 23.10.21

S.No	Name of the Faculty	Event	Topic	Venue Details	Date /Year
		FDP	Internet of Things	ATAL - AICTE	7.6.21 to 11.6.21
		FDP	Information and Cyber security	ATAL - AICTE	14.6.21 to 18.6.21
		WORKSHOP	Development of IoT Products and Patenting	Dr. MCET, Pollachi.	25.6.21 to 26.6.21
		WORKSHOP	ELECTRONIC CIRCUITS AND PCB DESIGN	Pantech eLearning	12.7.21 to 16.7.21
8	Ms. R. NATHEA	WORKSHOP	LEARN TO CODE FOR WEB- JAVA PROGRAMMING	Pantech eLearning	19.7.21 to 23.7.21
		WORKSHOP	ARDUINO PROGRAMMING	Pantech eLearning	26-7-21 to 30-7-21
		one day webinar	Student Support Systems & practices	REC, Chennai	21-7-21
		FDP	Digital VLSI Design and Verification	Bangalore Institute of Technology, Banga- lore	23.8.21 to 27.8.21
		Online Course	Python for Data Science	NPTEL - SWAYAM	Aug-21
		Workshop	Internet of Things - Master Class	PANTECH	19.9.21 to 18.10.21
	Mr. A. S. LOGANATHAN	FDP	Emerging Techniques in Bio- medical Instrumentation-2021	KL University, Viya- wada, Andra pradesh	28.6.21 to 3.7.21
9		workshop	ARDUINO PROGRAMMING	Pantech eLearning	26-7-21 to 30-7-21
		Online Course	Python for Data Science	NPTEL - SWAYAM	Aug-21
		International Journal	Energy Efficient and Hybrid Bio- Inspired A-C Algorithm for WSN	BBRC	4.6.21
		FDP	ML - Recent Trends and Applications	SRIT, Anantapuramu, A.P.	7.6.21 to 12.6.21
		FDP	Machine Learning on Recent Trends and Applications Phase-IV	SRIT, Anantapuramu, A.P.	21.6.21 to 26.6.21
10	Mr. S. NIJANDAN	FDP	Emerging Techniques in Biomedical Instrumentation - ETBI-2021	KL University, Viyawada, Andra pradesh	28-6-21 to 3-7-21
		workshop	ARDUINO PROGRAMMING	Pantech eLearning	26-7-21 to 30-7-21
		WEBINAR	ROLE OF ML IN DATA SCIENCE	Pantech eLearning	14-07-21
		Online Course	Python for Data Science	NPTEL - SWAYAM	Aug-21

S.No	Name of the Faculty	Event	Торіс	Venue Details	Date /Year
		WEBINAR	Green Wireless Communication	Pantech E Learning	1.6.21
		WEBINAR	PCB Design and its Apllication	Pantech E Learning	2.6.21
		FDP	Multidimensional Skillset of CurrentGeneration of Teaching Professionals	Prathyusha Engineering College, Tiruvallur.	14.6.21 to 18.6.21
	Mr. C. E. MOHAN KU- MAR	FDP	Machine Learning on Recent Trends and Applications Phase-IV	SRIT, Anantapuramu, A.P.	21.6.21 to 26.6.21
		FDP	Recent Trends in Electrical Engineering	Geethanjali Institute of Science and Technology	16.8.21 to 23.8.21
		Online Course	Deep Learning for Computer Vision	NPTEL - SWAYAM	Aug-21
		FDP	Internet Of Things	ATAL - AICTE	7.6.21 to 11.6.21
		WEBINAR	Early Stage Entrepreneurs – Startup and Related Ecosystem	Dr. T. Thimmaiah Institute of Technology	14.6.21
		WORKSHOP	Flutter	Pantech Solutions	16.6.21 to 18.6.21
		WORKSHOP	Development of IoT Products and Patenting	Dr.Mahalingam College of Engineering and Technology	25.6.21 to 26.6.21
		FDP	FPGA Based Deep Learning Applications in Signal Processing	AICTE ATAL	05.7.21 to 09.7.21
		Workshop	ELECTRONIC CIRCUITS AND PCB DESIGN	Pantech eLearning	12.7.21 to 16.7.21
	Mr. K. NARESH KU-	one day webinar	Student Support Systems & Practices	REC, Chennai	21.7.21
	MAR	Workshop	LEARN TO CODE FOR WEB- JAVA PROGRAMMING	Pantech eLearning	19.7.21 to 23.7.21
		Workshop	ARDUINO PROGRAMMING	Pantech eLearning	26.7.21 to 30.7.21
		Workshop	Learn MATLAB with IMAGE Processing	Pantech e-Learning	02.8.21 to 08.8.21
		FDP	Recent Trends in Electrical Engineering	Geethanjali Institute of Science and Technology	16.8.21 to 23.8.21
		Online Course	Python for Data Science	NPTEL - SWAYAM	Aug-21
		FDP	Artificial intelligence and IoT Applications in Electrical Engineering.	Arasu Polytechnic College, Kumbakonam	31.8.21 to 4.9.21
		Seminar	Qualitative and Quantitative Matrix in RAAF and NAAC	Rajalakshmi Engineer- ing College, Chennai	17.9.21

S.No	Name of the Faculty	Event	Topic	Venue Details	Date /Year
		WEBINAR	Early Stage Entrepreneurs – Startup and Related Ecosystem	Dr. T. Thimmaiah Institute of Technology	14.6.21
		WORKSHOP	Flutter	Pantech Solutions	16.6.21 to 18.6.21
		one day webinar	Student Support Systems & Practices	Rajalakshmi Engineering College, Thandalam, Chennai	21-07-21
13	Mr. C. AUGUSTINE	Workshop	Arduino Programming	Pantech eLearning	26-07-21 to 30-07-21
	MI CITIC COSTINE	one day webinar	STRESS MANAGEMENT	Rajalakshmi Engineering College, Thandalam, Chennai	26.07.21
		FDP	universal human value in education	AICTE	12.07.21 to 16.07.21
		FDP	emerging techniques in biomedi- cal instrumentation	KL university	28.06.21 to 03.07.21
		Online Course	Python for Data Science	NPTEL - SWAYAM	Aug-21
		FDP	Introduction to Software Robots and Automation	ATAL - AICTE	7.6.21 to 11.6.21
		FDP	Research Avenues and Challenges in Industry 4.0.	ATAL - AICTE	14.6.21 to 18.6.21
		WORKSHOP	Development of IoT Products and Patenting	Dr. MCET, Pollachi.	25.6.21 to 26.6.21
		One Day Webi- nar	Student Support Systems & Practices	Rajalakshmi Engineering College, Chennai	21.7.21
14	Mr. D SARATHY	Workshop	Arduino Programming	Pantech eLearning	26.7.21 to 30.7.21
14	WII. D SAKATITI	One Day Webi- nar	STRESS MANAGEMENT	Rajalakshmi Engineering College, Chennai	26.7.21
		FDP	emerging techniques in biomedi- cal instrumentation	KL university	28.6.21 to 3.7.21
		FDP	Digital VLSI Design and Verification	Bangalore Institute of Technology, Bangalore	23.8.21 to 27.8.21
		Online Course	Python for Data Science	NPTEL - SWAYAM	Aug-21
		FDP	Artificial intelligence and IoT Applications in Electrical Engi- neering.	Arasu Polytechnic College, Kumbakonam	31.8.21 to 04.9.21

S.No	Name of the Faculty	Event	Торіс	Venue Details	Date /Year
		FDP	Internet Of Things	ATAL - AICTE	7.6.21 to 11.6.21
		FDP	Cyber Security: A step towards awareness to Cyber Crime	ATAL - AICTE	14.6.21 to 18.6.21
		FDP	Machine Learning on Recent Trends and Applications Phase-IV	SRIT, Anantapuramu, A.P.	21.6.21 to 26.6.21
		FDP	Multitechnology	Dr. RGITR & Brainovision	28.6.21 to 3.7.21
	Mr. S. V. DHARANI KUMAR	Workshop	Arduino Programming	PANTECH	26.7.21 to 30.7.21
		FDP	Recent Trends in Electrical Engineering	Geethanjali Institute of Science and Technology	16.8.21 to 23.8.21
		Online Course	Python for Data Science	NPTEL - SWAYAM	Aug-21
		Patent Publications	Machine Learning and Fuzzy Logic Based Smart Detaction of Chronic LungCancer	Official Journal of Patent Office - Application No. 202141033357 A	06.08.21
		FDP	Artificial intelligence and IoT Applications in Electrical Engineering.	Arasu Polytechnic College, Kumbakonam	31.08.21 to 04.09.21
		Seminar	Qualitative and Quantitative Matrix in RAAF and NAAC	Rajalakshmi Engineering College, Chennai	17.09.21
		FDP	Industrial Internet of Things	ATAL - AICTE	7.6.21 to 11.6.21
		FDP	Information and Cybersecurity	ATAL - AICTE	14.6.21 to 18.6.21
		WORKSHOP	Development of IoT Products and Patenting	Dr. MCET, Pollachi.	25.6.21 to 26.6.21
	Mr. M. KAMESH	WORKSHOP	ARDUINO PROGRAMMING	Pantech eLearning	26.7.21 to 30.7.21
	WII. W. KAWLSH	FDP	FPGA Based Deep Learning Applications in Signal Processing	AICTE ATAL	05.7.21 to 09.7.21
		One Day Webinar	Student Support Systems	REC, Chennai	21-07-21
		One Day Webinar	STRESS MANAGEMENT	REC, Chennai	26.07.21
		WORKSHOP	LEARN TO CODE FOR WEB- JAVA PROGRAMMING	Pantech eLearning	19.07.21 to 23.07.21
		WORKSHOP	ELECTRONIC CIRCUIT AND PCB DESIGN	Pantech eLearning	12.07.21 to 16.07.21

STAFF ACHIEVEMENTS								
S.No	Name of the Faculty	Event	Topic	Venue Details	Date /Year			
		FDP	Digital VLSI Design and Verification	Bangalore Institute of Technology, Bangalore	23/8/21 to 27/8/21			
		FDP	Recent Trends in Electrical Engineering	Geethanjali Institute of Science and Technology	16/8/21 to 23/8/21			
		Online Course	Python for Data Science	NPTEL - SWAYAM	Aug-21			
16	Mr. M. KAMESH	FDP	Artificial intelligence and IoT Applications in Electrical Engineering.	Arasu Polytechnic College, Kumbakonam	31.08.21 to 04.09.21			
		Seminar	Qualitative and Quantitative Matrix in RAAF and NAAC	Rajalakshmi Engineering College, Chennai	17.09.21			
		Workshop	Internet of Things - Master Class	PANTECH	19.09.21 to 18.10.21			
		Workshop	Self Driving Car	PANTECH	21.10.21 to 23.10.21			
		FDP	Industrial Internet of Things	ATAL - AICTE	7.6.21 to 11.6.21			
		FDP	Information and Cybersecurity	ATAL - AICTE	14.6.21 to 18.6.21			
		WORKSHOP	Development of IoT Products and Patenting	Dr. MCET, Pollachi.	25.6.21 to 26.6.21			
		WORKSHOP	ARDUINO PROGRAMMING	Pantech eLearning	26.7.21 to 30.7.21			
17	Ms. U. SANDHYA	One Day Webinar	Student Support Systems & Practices	Rajalakshmi Engineering College, Chennai	21.7.21			
		One Day Webinar	STRESS MANAGEMENT	Rajalakshmi Engineering College, Chennai	26.7.21			
		WORKSHOP	LEARN TO CODE FOR WEB-JAVA PROGRAMMING	Pantech eLearning	19.7.21 to 23.7.21			
		WORKSHOP	ELECTRONIC CIRCUIT AND PCB DESIGN	Pantech eLearning	12.7.21 to 16.7.21			
		FDP	FPGA Based Deep Learning Applications in Signal Processing	AICTE ATAL	5.7.21 to 9.7.21			

	STAFF ACHIEVEMENTS						
S.No	Name of the Faculty	Event	Торіс	Venue Details	Date /Year		
		FDP	Digital VLSI Design and Verification	Bangalore Institute of Technology, Bangalore	23/8/21 to 27/8/21		
		FDP	Recent Trends in Electrical Engineering	Geethanjali Institute of Science and Technology	16/8/21 to 23/8/21		
		Online Course	Python for Data Science	NPTEL - SWAYAM	Aug-21		
16	Ms. U. SANDHYA	FDP	Artificial intelligence and IoT Applications in Electrical Engineering.	Arasu Polytechnic College, Kumbakonam	31.08.21 to 04.09.21		
		Seminar	Qualitative and Quantitative Matrix in RAAF and NAAC	Rajalakshmi Engineering College, Chennai	17.09.21		
		Workshop	Internet of Things - Mas- ter Class	PANTECH	19.09.21 to 18.10.21		
		Workshop	Self Driving Car	PANTECH	21.10.21 to 23.10.21		
		FDP	Statistical Analysis using R	ATAL - AICTE	17.6.21 to 20.6.21		
		FDP	Research Avenues and Challenges in Industry 4.0.	ATAL - AICTE	14.6.21 to 18.6.21		
		One Day Webinar	Student Support Systems & Practices	Rajalakshmi Engineering College, Chennai	21.7.21		
17	Ms. A. P. SARANYA	Workshop	Arduino Programming	Pantech eLearning	26.7.21 to 30.7.21		
		One Day Webinar	STRESS MANAGEMENT	Rajalakshmi Engineering College, Chennai	26.7.21		
		WORKSHOP	LEARN TO CODE FOR WEB-JAVA PROGRAMMING	Pantech eLearning	19.7.21 to 23.7.21		
		WORKSHOP	ELECTRONIC CIRCUIT AND PCB DESIGN	Pantech eLearning	12.7.21 to 16.7.21		

	STAFF ACHIEVEMENTS							
S.N o	Name of the Faculty	Event	Торіс	Venue Details	Date /Year Details			
		FDP	Digital VLSI Design and Verification	Bangalore Institute of Technology, Bangalore	23/8/21 to 27/8/21			
	Ms. A. P. SARANYA	Online Course	Python for Data Science	NPTEL - SWAYAM	Aug-21			
18		FDP	Artificial intelligence and IoT Applications in Electrical Engineering.	Arasu Polytechnic College, Kumbakonam	31.08.21 to 04.09.21			
		Seminar	Qualitative and Quantitative Matrix in RAAF and NAAC	Rajalakshmi Engineering College, Chennai	17.09.21			
		Workshop	Internet of Things - Master Class	PANTECH	19.09.21 to 18.10.21			
		Workshop	Self Driving Car	PANTECH	21.10.21 to 23.10.21			

### STUDENTS WORKSHOP PARTICIPATION

STUDENT NAME	YEAR	EVENT	торіс	VENUE DETAILS	DATE OF THE EVENT
MANDALAM CHITRALEKHA	IV	WEBINAR	Green Wireless Communication	Pantech E Learning	1.6.21
		WEBINAR	Wireless Charging for Electric Vehicle Application	Pantech E Learning	3.6.21
		WEBINAR	The Evolution of Mobile Wireless Network - towards 5G and IoT	Pantech E Learning	9.6.21
		Online STTP	Machine Learning & Deep Learning with Deployment.	ASIET, Kalady, Kerala	22.7.21 - 24.7.21
AKILA C N	IV	Online STTP	Machine Learning & Deep Learning with Deployment.	ASIET, Kalady, Kerala	22.7.21 - 24.7.21
KANIMOZHI D	IV	Online STTP	Machine Learning & Deep Learn- ing with Deployment.	ASIET, Kalady, Kerala	22.7.21 - 24.7.21
		Symposium	Cloud Computing	GRTIET, Tiruttani	30.10.21
NITHISH KUMAR B L	IV	WORKSHOP	GITHUB	CBIT, Hyderabad	23.10.21
		Certification Program	Automobile Transmission	AEU	25.1.22
ATTIRALA SURYA PRAKASH	IV	WORKSHOP	GITHUB	CBIT, Hyderabad	23.10.21
SHARAN G	IV	WORKSHOP	GITHUB	CBIT, Hyderabad	23.10.21
PAVITHRA N	IV	Online Training	Web Development Uing Django	APSSDC	12.7.21 - 24.7.21
KALAISELVAN S	IV	Online COurse	Python for Machine Learning	Great Learning	Sept 21
		Online Training	MATLAB Master Class	PANTECH	13.9.21 - 12.10.21
		Online Program	National Intellectual Property Awareness Mission.	NIPAM	30.12.21
SUPRAJA R K	IV	Internship	Industry Details	Kaashiv Infotech	14.9.21 - 14.10.21
		Symposium	Wireless Capsule Endoscopy Pill Camera	GRTIET, Tiruttani	30.10.21
VIJAYALAKSHMI L	IV	Internship	Industry Details	Kaashiv Infotech	14.9.21 - 14.10.21
THAMILARASI C	IV	Symposium	Efficient Reconstruction of Compression of large size of ECG.	GRTIET, Tiruttani	30.10.21

### STUDENTS WORKSHOP PARTICIPATION

STUDENT NAME	YEAR	EVENT	торіс	VENUE DETAILS	DATE OF THE EVENT
VIJAYALAKSHMI L	IV	Onile Quiz	Electric Cars: Technology	Pillai HOC College, Rasayani.	25.10.21
HARSHITHA S	IV	Onile Quiz	Electric Cars: Technology	Pillai HOC College, Rasayani.	25.10.21
AKILA C N	IV	Onile Quiz	Electric Cars: Technology	Pillai HOC College, Rasayani.	25.10.21
ATTIRALA SURYA PRAKASH	IV	Onile Quiz	Electric Cars: Technology	Pillai HOC College, Rasayani.	25.10.21
UMAPATHY A V	III	Online Training	RIPE Training Program (Best Performer)	RIPE	04.12.21
		WORKSHOP	Internet Of Things	TRIOS Technologies	15.9.21
LOGESHWAR V	III	Online STTP	Machine Learning & Deep Learning with Deployment.	ASIET, Kalady, Kerala	22.7.21 - 24.7.21
YUVARAJ S	III	Online STTP	Machine Learning & Deep Learning with Deployment.	ASIET, Kalady, Kerala	22.7.21 - 24.7.21
KARUNAKARAN R	III	Online Training Pro- gram	Web Development Uing Django	APSSDC	12.7.21 - 24.7.21
LEENA V	III	Online Training Pro- gram	Web Development Uing Django	APSSDC	12.7.21 - 24.7.21
KEERTHIKA P	II	WORKSHOP	GITHUB	CBIT, Hyderabad	23.10.21
DEEPIKA SHREE R	II	WORKSHOP	GITHUB	CBIT, Hyderabad	23.10.21
HARISH V	II	WORKSHOP	GITHUB	CBIT, Hyderabad	23.10.21
BHARATH N N	II	Online STTP	Machine Learning & Deep Learning with Deployment.	ASIET, Kalady, Kerala	22.7.21- 24.7.21
ARUNKUMAR S	II	Online STTP	Machine Learning & Deep Learning with Deployment.	ASIET, Kalady, Kerala	22.7.21- 24.7.21
AKASH G	II	Online Training Pro- gram	Web Development Uing Django	APSSDC	12.7.21 - 24.7.21



### STAFF MEMBERS OF ECE

**Dr.P.SIVAKUMAR** Dr.S.A.Yuvaraj Dr.C.RAVICHANDRAN Mr.S.SENTHILKUMAR Mr.V.SORNAGOPAL Mrs.K.PERIYARSELVAM Mr.K.BALAJI Mr.NARESHKUMAR Mr.A.S. LOGANATHAN Ms.R.NATHEA Mr.S. NIJANDAN Mr.C.E. MOHANKUMAR Mr.C.AUGUSTINE Mr.S.V.DHARANIKUMAR Mr.D.SARATHY Mr.M.KAMESH Ms.U.SANDHYA Ms.A.P.SARANYA

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# PROFESSIONAL MEMBERS & ACADEMIC PARTNERS

. IETE . CISCO NETWORKING ACADEMY





### Editorial Team's Epistle

We are indeed of good cheer to publish the issue of our newsletter Meticulous efforts have been put in to congregate the happenings in the department. We hope this newsletter would serve to be an informative one. We take pleasure in thanking our Management, Principal, HOD, faculty and students of Electronics and Communication Engineering for the kind support and encouragement. Feedback and suggestions are welcomed . For further Articles, Activities please

"Your imagination is your preview of life's coming attractions."

Editorial Board Members

Dr. P.SIVAKUMAR

Mr.S.V. DHARANI KUMAR