



# **GRT INSTITUTE OF ENGINEERING AND TECHNOLOGY, TIRUTTANI**

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



**DEPT OF ECE**

## **NEWSLETTER 2019-20 JUN'19-DEC'19 ISSUE**



**GRT MAHALAKSHMI NAGAR,  
CHENNAI-TIRUPATHI HIGHWAY,  
TIRUTTANI-631209.**

**THIRUVALLUR DISTRICT.**

**Ph.No: 044-27885400/6400**

**ADMINISTRATIVE OFFICE**

**No.31, Venkatesan Street,  
T-Nagar,  
Chennai-600017.**

**Ph.No:044-24352020.**



**Visit us @[grt.edu.in](http://grt.edu.in)**

# 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 Anandapadmanabhan- 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 Mahalakshmi Vidyalaya Matriculation Hr.Sec. School, GRT Institute of Engineering and Technology, GRT College of Nursing and GRT College of Education. 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. (Civil, Mechanical, Electrical & Electronics), Automobile, Electronics & Communication, Computer Science), M.E. (Communication & Networking, Manufacturing Engineering), M.B.A (Business Administration)





## ABOUT THE DEPARTMENT

**The department was established in 2008 with 60 students. The department has the post graduate course (M.E.-Communication and Networking) with intake of 24 established in the year 2013. 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

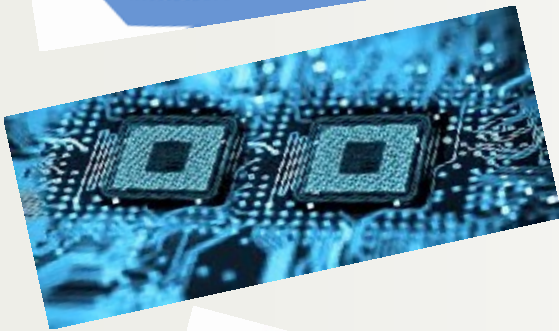
**M1.** To provide a special learning environment to empower the students to confront the challenges of the Electronics and Communication Engineering field.

**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.

# ECE







## Message from the Management

I am extremely happy in releasing the half-yearly newsletter, highlighting the activities of the department between 2019 and 2020 (June 2019 - December 2019). 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**

## Message from the Head of the Institution



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**

## Message from HOD/ECE



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. 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 2019 - 20 (June 2019 - December 2019). I congratulate the Editorial Board for their effective work in making this into a reality.

**Dr.P.Sivakumar**

## STAFF ACHIEVEMENTS

S.No	Name of the Faculty	Event	Topic	Date /Year/ Venue Details
1	Mr.NARESHKUMAR	TRAINING PROGRAMME	Green communication networks and simulation of wireless networks using NS-3	02.12.19-07.12.19 S.A.Engineering college
2	Mr.G.TAMIZINIYAN	FDP	CS6003- Adhoc and sensor Networks	04-12-2019- 09-12-2019 Uni- versity college of Engineer- ing, Kancheepuram
3	Mr.D.SARATHY	FDP	Entrepreneurship develop- ment	02.12.19-07.12.19 RMK COLLEGE OF ENGG & TECH
4	Mr.V.SORNAGOPAL	FDP	Illustration and infographic software tool for SCI- Journal writing	02.12.19-06.12.19 Chase re- search and development de- partment, Chennai,
		Workshop	Demystifying data analytics	07-09-19 , Meenakshi sundarrajan engineering college, chennai
5	Ms.R.NATHEA	FDP	Microprocessor and Microcontrollers	17-06-2019 to 22-06-2019, RMD Engineering college
6	Mr.S.SENTHILKUMAR	FDP	Soft computing techniques and its applications	10-06-2019 to 14-06-2019 Sri venkateswara college of engineering, sriperumbudur

## STUDENTS INDUSTRIAL VISIT

Our department II year students was accompanied to an industrial visit to VI Microsystems pvt.Ltd - Perungudi, Chennai on 13.07.2019

Our department II year students was accompanied to an industrial visit to Sansbound - Kodambakkam, Chennai on 22.07.2019

Our department IV year students was accompanied to an industrial visit to ISRO-SDSC-SHAR, Sriharikota Nellore on 5.08.2019

Our department IV year students was accompanied to an industrial visit to KAASHIV INFOTECH - Anna nagar, Chennai on 13.08.2019

Our department III year students was accompanied to an industrial visit to KAASHIV INFOTECH - Anna nagar, Chennai on 3.10.2019

Our department III year students was accompanied to an industrial visit to JAI BALAJI CONTROL GEARS PVT LTD - Ambattur ,Chennai on 27.08.2019





## STUDENTS INDUSTRIAL VISIT



“keep your eyes on the stars, and your feet on the ground”



## GUEST LECTURES / SEMINARS

Our department proudly conducted one day guest lecture on “Current & Future Trending Technologies ” 3.08.2019 by Mr.P.Narendra Babu B.E, M.B.A Technical Architect-Application Development, BNY Mellon Technology, Chennai & Mr. Kiran Dhananjayan B.E Program Manager-IoT Solutions Architect, Tata Consultancy Services, Bengaluru.

Our department proudly conducted one day guest lecture on “Signal theory for Communication Engineering ” 30.09.2019 by Dr. Vinoth Babu Kumaravelu Phd, Associate Professor, Department of



## WORKSHOP/SEMINAR/SYMPOSIUM

Our college proudly conducted one day symposium GRT TEXPO 2019 - Reloaded “ 8th national level technical symposium” on 14th September 2019.



“Don’t watch the clock, do watch it does keep going”



## STUDENTS SYMPOSIUM / CONFERENCE/ WORKSHOP/SPORTS

Name of the student	Sem/ Year	Name of the event	Topics	Month/ Year	Organizing Institution
PRAGATHI S	V / III	Workshop	Amazon Web Service <i>Workshop</i>	21/2/2019 & 22/2/2019	Prathyusha Engineering college, Chennai with Software Technical clubs
LAKSHMI M	VII / IV	Workshop	Practical demo on Industrial exposure	3/10/2019	WikiTechy, Chennai
MANJULA M	VII / IV	Workshop	One day international workshop on Manual & automation testing	21/09/2019	ABHIS Overseas Education Pvt. Ltd., Chennai.
MANJULA M	VII / IV	Workshop	Practical demo on Industrial exposure	3/10/2019	WikiTechy, Chennai
SHAANTHINI R	VII / IV	Workshop	One day international workshop on Manual & automation testing	21/09/2019	ABHIS Overseas Education Pvt. Ltd., Chennai.
RUKESH KUMAR A	VII / IV	Workshop	Workshop on IOT from Ground UP	31/8/2019	Top Engineers, Chennai.
RUKESH KUMAR A	VII / IV	Workshop	IETE Zonal Seminar on Smart Engineering for Sustainable Development	20/9/2019	The Institute of Electronics and Telecommunication Engineers, Chennai.
RUKESH KUMAR A	VII / IV	Workshop	Workshop on Machine Learning	28/12/2019 to 29/12/2019	Kyrion Technologies Pvt. Ltd at IIT Madras Research park
DIVYA P	V / III	Workshop	One day international workshop on Manual & automation testing	21/09/2019	ABHIS Overseas Education Pvt. Ltd., Chennai.
MAHALAKSHMI L	VII / IV	Workshop	One day international workshop on Manual & automation testing	21/09/2019	ABHIS Overseas Education Pvt. Ltd., Chennai.
MAHALAKSHMI L	VII / IV	Workshop	Practical demon on Industrial exposure	3/10/2019	WikiTechy, Chennai

<b>DIVYASRI M</b>	<b>VII / IV</b>	<b>Worksshop</b>	<b>Practical demon on Industrial exposure</b>	<b>3/10/2019</b>	<b>WikiTechy, Chennai</b>
<b>BHAGYALAKSHMI M R</b>	<b>VII / IV</b>	<b>Worksshop</b>	<b>One day international workshop on Manual &amp; automation testing</b>	<b>21/09/2019</b>	<b>ABHIS Overseas Education Pvt. Ltd., Chennai.</b>
<b>AILEEN JULIET J</b>	<b>VII / IV</b>	<b>Worksshop</b>	<b>One day international workshop on Manual &amp; automation testing</b>	<b>21/09/2019</b>	<b>ABHIS Overseas Education Pvt. Ltd., Chennai.</b>
<b>SOWMITHRA D</b>	<b>VII / IV</b>	<b>Worksshop</b>	<b>One day international workshop on Manual &amp; automation testing</b>	<b>21/09/2019</b>	<b>ABHIS Overseas Education Pvt. Ltd., Chennai.</b>
<b>SIREESHA K</b>	<b>VII / IV</b>	<b>Worksshop</b>	<b>One day international workshop on Manual &amp; automation testing</b>	<b>21/09/2019</b>	<b>ABHIS Overseas Education Pvt. Ltd., Chennai.</b>
<b>SIREESHA K</b>	<b>VII / IV</b>	<b>Worksshop</b>	<b>Practical demo on Industrial exposure</b>	<b>3/10/2019</b>	<b>WikiTechy, Chennai</b>
<b>SHAANDHINI R</b>	<b>VII / IV</b>	<b>Worksshop</b>	<b>One day international workshop on Manual &amp; automation testing</b>	<b>21/09/2019</b>	<b>ABHIS Overseas Education Pvt. Ltd., Chennai.</b>
<b>MONISHA S</b>	<b>V / III</b>	<b>Worksshop</b>	<b>World's biggest international hands-on IoT &amp; ethical hacking workshop</b>	<b>15/8/2019</b>	<b>WikiTechy, Chennai</b>
<b>MONISHA S</b>	<b>V / III</b>	<b>Worksshop</b>	<b>One day workshop on Android</b>	<b>11/6/2019</b>	<b>Codebind technologies, Chennai.</b>
<b>MONISHA S</b>	<b>V / III</b>	<b>Worksshop</b>	<b>Two days workshop on Graphical tool 3D unity</b>	<b>21/2/2019 &amp; 22/2/2019</b>	<b>Prathyusha Engineering college with Software technical clubs</b>
<b>KOKILA P</b>	<b>V / III</b>	<b>Worksshop</b>	<b>One day workshop on cloud computing</b>	<b>5/12/2019</b>	<b>Codebind technologies, Chennai.</b>
<b>KAVYA S</b>	<b>V / III</b>	<b>Worksshop</b>	<b>One day workshop on cloud computing</b>	<b>5/12/2019</b>	<b>Codebind technologies, Chennai.</b>
<b>KALAINILA C M</b>	<b>V / III</b>	<b>Worksshop</b>	<b>Workshop on Android</b>	<b>10/12/2019</b>	<b>Uniq technologies, Chennai.</b>



<b>KALAINILA C M</b>	<b>V / III</b>	<b>Worksshop</b>	<b>Workshop on Android</b>	<b>11/6/2019</b>	<b>Uniq technologies, Chennai.</b>
<b>KAVYA S</b>	<b>V / III</b>	<b>Worksshop</b>	<b>One day workshop on cloud computing</b>	<b>5/12/2019</b>	<b>Codebind technologies, Chennai.</b>
<b>ASHWINI M</b>	<b>V / III</b>	<b>Worksshop</b>	<b>One day workshop on cloud computing</b>	<b>5/12/2019</b>	<b>Codebind technologies, Chennai.</b>
<b>ASHWINI M</b>	<b>V / III</b>	<b>Worksshop</b>	<b>World's biggest international hands-on IoT &amp; ethical hacking workshop</b>	<b>13/8/2019</b>	<b>WikiTechy, Chennai</b>
<b>SIREESHA K</b>	<b>VII / IV</b>	<b>Symposium</b>	<b>Paper Presentation in National Level Technical Symposium.</b>	<b>14/9/2019</b>	<b>GRTIET, Tiruthani.</b>
<b>SHAANDHINI R</b>	<b>VII / IV</b>	<b>Symposium</b>	<b>Paper Presentation in National Level Technical Symposium.</b>	<b>14/9/2019</b>	<b>GRTIET, Tiruthani.</b>
<b>KALAINILA C M</b>	<b>V / III</b>	<b>Worksshop</b>	<b>World's biggest international hands-on IoT &amp; ethical hacking workshop</b>	<b>15/8/2019</b>	<b>WikiTechy, Chennai</b>



## STAFF MEMBERS OF ECE

Dr.C.VISWANATHAN  
 Dr.K.GUNASEKARAN  
 Dr.P.SIVAKUMAR  
 Dr.S.A.YUVARAJ  
 Mr.V.SORNAGOPAL  
 Mr.S.SENTHILKUMAR  
 Mr.C.E. MOHANKUMAR  
 Mr.A.S. LOGANATHAN  
 Mr.S. NIJANDHAN  
 Mr.K.BALAJI  
 Mr.C.AUGUSTIN  
 Mr.NARESHKUMAR  
 Mr.D.SARATHY  
 Ms.R.NATHEA  
 Mr.S.KARTHICK  
 Ms.GOWTHAMI  
 Ms.K.PERIYARSELVAM  
 Mr.M.KAMESH  
 Ms.U.SANDHYA  
 Mr.S.V.DHARANIKUMAR  
 Mrs.PORKODI  
 Ms.J.FEBINA  
 Mr.TAMIZINIYAN  
 Ms.A.P.SARANYA

# SOCIETY OF ECE

PRESIDENT: Mr.RUKESH KUMAR.A - IV YEAR  
 VICE PRESIDENT: Ms.SOUNDHARYA.V - IV YEAR  
 SECRETARY:Ms.SAIPRIYA.P.V - III YEAR  
 JOINT SECRETARY:Mr.LOKESH.V - III YEAR

## PROFESSIONAL MEMBERS & ACADEMIC PARTNERS

- IETE
- CISCO NETWORKING ACADEMY





## TOPPERS LIST

S.NO	NAME OF THE STUDENTS	SEM/YEAR	RANK	CGPA
II YEAR				
1	SAI SUPRAJA R K	III/II	1	7.92
2	JAYAPRIYA T G	III/II	2	7.85
3	SUSHMITHA G	III/II	3	7.81
4	MANDALAM CITRALEKHA	III/II	4	7.5
III YEAR				
1	JAYA KEERTHANA S K	V/III	1	8.44
2	JYOTHISAI B	V/III	1	8.44
3	HARISH R	V/III	2	8.32
4	ARCHANA K	V/III	3	8.24
5	KAVYA S	V/III	4	7.96
6	MALATHI B	V/III	5	7.84
7	KALPANA D	V/III	5	7.84
8	KOKILA P	V/III	6	7.72
IV YEAR				
1	RAMYA TEJA S	VII/IV	1	8.27
2	MEENAKSHI K A	VII/IV	2	8.23
3	PRATHIMA M	VII/IV	3	8.19
4	ANITHA D	VII/IV	4	8.15
5	PRITHI K	VII/IV	5	8.12

## Editorial Team' s Epistle

*We are indeed of good cheer to publish the first 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*

*Dr.K.GUNASEKARAN*