



R.M.K. College of Engineering and Technology

Affiliated to Anna University, Chennai Approved by AICTE New Delhi
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Department of Electronics and Communication Engineering

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Technical Newsletter – July – December 2019

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Congratulations

Mr. Akash Arumugam B S



**Topper in
Programming in C
NPTEL Elite + Gold
Certificate**

Topper July – Sep -2019

Message about Education from World leaders

Recent censuses till 2015 shows that the degree of literacy in India was about 72%, with the majority of literate Indians being men. It is estimated that the global literacy rate for people aged 15 and above is about 86%. Most important messages from the World Leaders: According to the UNESCO Institute for Statistics, two-thirds of children and adolescents worldwide who aren't achieving minimum proficiency in literacy and math are actually in school. Next year's G20 has the opportunity to broaden their approach and stress that access to quality education that fosters learning is a human right.

Leader's emphasis particular on the importance of girl's education. This is the key because girls still face specific barriers to education in poorest countries. World report states that in low – income countries less than two-third completes primary school and one-third completes secondary education. Skills matter in a rapidly changing world education systems do not exist in a vacuum. They should be designed to best prepare students for the future of work, and to excel in tomorrow's economy. The G20 acknowledged that education, employment and economic empowerment are all connected and that there are needs to foster skills that will help young people thrive, such as cognitive and digital skills.

“Your attitude, not your aptitude, will determine your altitude.”

Recent Innovation in Electronics

Controlling Light with Light

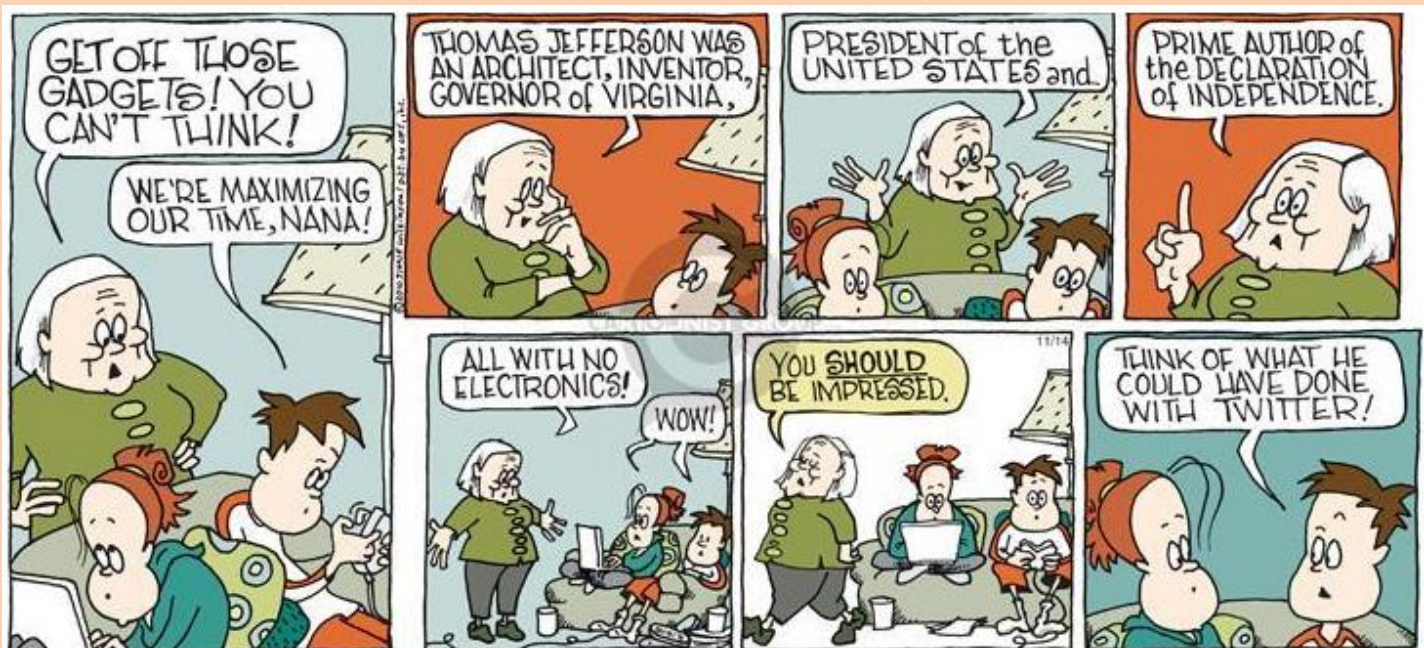
February 6, 2020, Source: Harvard John A. Paulson School of Engineering and Applied Sciences. Researchers have developed a new platform for all optical computing, means computations done solely with beam of light.



Abstract Beam of light

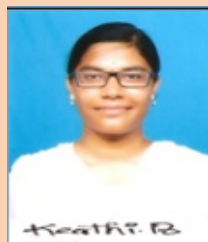
--The future of computation is bright with beam of light.

"Most computation right now uses hard materials such as metal wires, semiconductors and photodiodes to couple electronics to light," said Amos Meeks, a graduate student at SEAS and co-first author of the research. "The idea behind all-optical computing is to remove those rigid components and control light with light. Imagine, for example, an entirely soft, circuitry-free robot driven by light from the sun."



ACADEMIC SEMESTER TOPPERS

Over all ECE Department Toppers till Odd Semester Academic Results



CGPA - 9.023
Keerthi B

111616106056



CGPA - 9.023
Gowri Priya Reddy M

111616106070



CGPA - 8.96
Jahnavi S

111618106124



CGPA - 8.953
Sweta R

111616106153



CGPA - 8.93
Kayalvizhi S

111618106062



CGPA - 8.92
Sree Mouna Maheswarla




111618106151

IV – YEAR ECE - VII Semester toppers



S.No	Register No.	Name of the Student	GPA	Photo
1.	111616106008	AISHWARYASHRI R	8.364	
2.	111616106066	LOKESWARI R	8.364	
3.	111616106044	HEMACHITHRA V	8.227	
4.	111616106067	MAALAVI A S	8.227	




III – YEAR ECE, Fifth Semester Toppers

S.No.	Register No.	Name of the Student	GPA	Photo
1.	111617106146	VARSHA IRENE P	8.760	
2.	111617106140	UMA R V	8.720	
3.	111617106050	KEERTANA B	8.640	



II – YEAR ECE – Third Semester Toppers



S.No	Register No.	Name of the Student	GPA	Photo
1.	111618106122	SAI RAKESH K V	9.04	
2.	111618106062	KAYALVIZHI S	8.888	
3.	111618106151	SREE MOUNA MAHESWARLA	8.720	

Technical Events - Organized



ECE ASSOCIATION OFFICE BEARERS'

TWYSTRA 2K19

On August 03, 2019 National Level Technical Symposium, TWYSTRA 2K19 was conducted. The Chief Guest Mr. V. Nandakumar gave an inspiring talk on the importance of the symposia and workshop. Students from surrounding colleges participated in the various technical activities were conducted on the same day.

ECE Student's Association

ECE Student's Association was organized on 03.08.2019. It was inaugurated by the Chief Guest Mr. Srinivasan Thanukrishnan, Founder & CEO of Glosys Technology Solution Pvt. Ltd, Chennai. On the same day Guest Lecture was given by Dr. J. Klutto Milleth, Chief Technologist, CEWiT, IIT Research Park, on the topic "Massive MIMO systems in 5 G and Challenges in Implementation of 5G", for ECE students. Chief Guest conducted interview for the students to provide internship in Glosys Technology Solution.



Inaugural address by Our Chief Guest Mr. V. Nandakumar



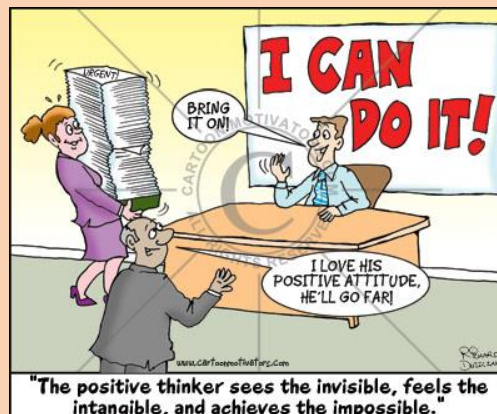
Mini Project Contest

The Department of Electronics and Communication Engineering organized a one day Intra department Mini project contest on 29.08.2019. This one day content urged the students to think innovatively and made it possible for them to relate their academic knowledge to real time products available in the market. There were 78 students participated from IV, III and II years. The adjunct faculty Mr. Shabarinath P, R & D Head of ResPro Labs and Dr. C. Arun Professor shortlisted the winners.

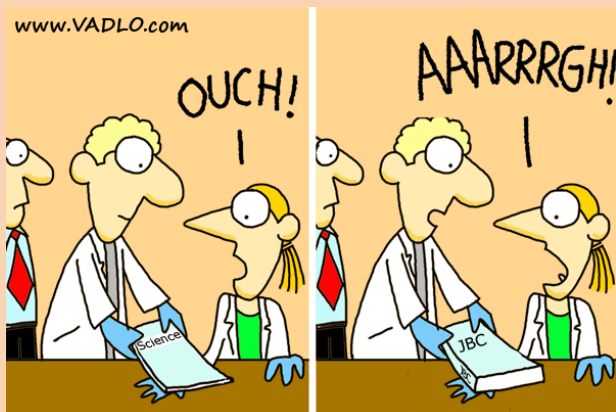


National Level Workshop

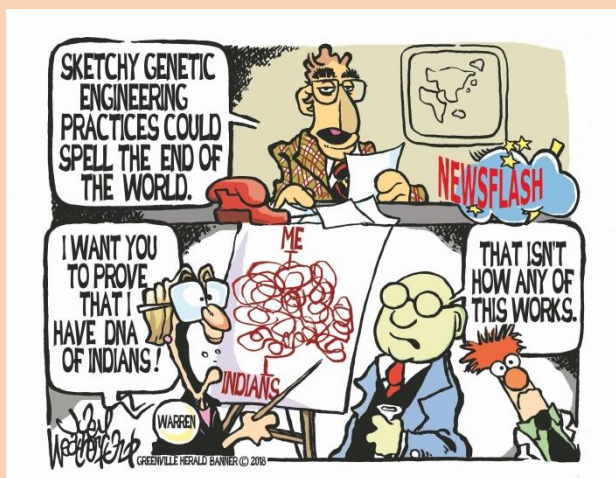
The Department of Electronics and Communication Engineering organized the two day's workshop on Machine learning using Python programming from 31st July and 01st August, 2019. The resource person was Mr. V. Govindaraj, Data Analyst, Enrich financial services, Trainer and Development head focusing minds, Chennai. **Machine Learning** is the narrow stream of Artificial Intelligence, where students learnt how the machines perceive data for processing using Python programming. Coordinators: **Dr. C. Arun** and **Mr. Sk. Hedayath Basha**.



Paper Published in Journals by Faculty



"Issue settled. JBC has it higher!"



1. **Shanthi K. G and Manikandan A**, "An Improved Adaptive Modulation and Coding for Cross Layer Design in Wireless Networks", *Wireless Personal Communications*, Vol. 108, No. 2, September 2019, pp. 1009 – 1020, DOI 10.1007/s11277-019-06448-1 SCIE, WEB OF SCIENCE, IF= 1.20)
2. **Bharatha Sreeja G., T.M.Inbamalar., Ciyamala Kushbu S.,** Lasipa A., Aileen Jocy A S., "Detection of Signature Based Forgeries Using Artificial Neural Network", *International Journal of Innovative Technology and Exploring Engineering* , Vol. 9, Issue - 1s, November 2019, pp. 400-403. **(Scopus Indexed).**
3. **Sesha Vidhya S., Rukmani Devi and Shanthi K. G**"Performance Enhancement of Microstrip UWB Patch Antenna with SRR for Wireless Body Area Networks", *International Journal of Innovative Technology and Exploring Engineering* ISSN: 2278-3075, Vol. 9 Issue-1S, November 2019, pp. 112-115. **(Scopus Indexed).**
4. **Kannagi V** and Jawahar A, " Epidermal Antenna In Palmar Arch Region For Anaemia Detection To Avoid Peripheral Perfusion Artifact In Optical Sensor During Hemoglobin Measurement", *Microsystems Technologies*, November 2019, pp. 1-9, <https://doi.org/10.1007/s00542-019-04675-x> **(SCIE, WEB OF SCIENCE, IF= 1.513).**

Insight of MBA Program

Top Five Countries to Study MBA abroad

1. Canada
2. United Kingdom
3. Germany
4. Australia
5. Singapore



Indian Institute of Management, Ahmadabad



London Business School – London

Top Colleges in India to Study MBA

1. Indian Institute of Management, Ahmedabad.
2. Xavier School of Management, Jamshedpur.
3. Management Development Institute, Gurgaon.
4. Faculty of Management Studies, University of Delhi.
5. Institute of Management and Technology, Ghaziabad.

List of top 6 MBA Entrance Exams

CAT- Common Entrance Test

XAT – Xaviers Admission Test

MAT – Management

SNAP - Symbiosis National Aptitude Test

NMAT – Narsee Monjee Management Aptitude Test

CMAT – Common Management Admission Test

List of Placed Students

Name of the Student	Placed Company	Name of the Student	Placed Company
AARTHI S	CTS	NIVEDITHA G	MPHASIS
ABINAYA K	SUTHERLAND	NIVEDITHA M	TATA ELXSI
ABIRAMI P L	WIPRO	NIVIYA B R	EY
ABIRAMI R	KPIT	AJAY P	CTS
AISHWARYA S S	KPIT	PAVAN K	AVASOFT
AISHWARYASHRI R	CTS	PEREZHIL N M	TCS
ARTHY V	WIPRO	SAI SRINIVAS REDDY P	TCS
ASTLE ROSE T	CTS	POOJITHA S	CTS
BALAJI K R	CTS	KRISHNA SAI AVINASH P	FORD MOTORS
CHERUKURI EASWAR M	INFOSYS	PRASANTH S R	INFOSYS
LIKITHA SAI D	CTS	PREM KUMAR M R	ECON
DHANUSH ADITHYAN P R	CTS	PRIYA M	SUTHERLAND
DIVYA R	SUTHERLAND	PRIYA S G	CTS
DIVYA SHRUTHI J S	CTS	PURUSHOTHAMAN V	SUTHERLAND
DURGA PRIYA V	KPIT	RAGHAVARAJU LOHITHA	TCS
EVANGELIN S	EY	RAJALAKSHMI B	CTS
JASWANTH G	SUTHERLAND	RESHMA R	CTS
GAYATHRI D	INFOSYS	RIZWANA BEGAM B	TCS
HARIHARASUDHAN P	SUTHERLAND	SAIVEL M	SUTHERLAND
HARSHINI R R	CTS	SANDHYA S	INFOSYS
HEMACHITHRA V	CTS	SANGEETHA K	VENBA
HEMADARSHNI H	EY	SENTHIL A	WIPRO
ISAAC JOHN G	CTS	SHAMALA DEVI G	MPHASIS
JAISREE S M	CTS	SHARMILA S	WIPRO
JOSE STARLEY A	CTS	SRIDHAR A	SUTHERLAND
KAMALESH R	SUTHERLAND	SRIDHAR S G	KPIT
KEERTHI B	HCL	SRILEKHA G D	CTS
KIRAN R	CODA GLOBAL	SRI SRAVANI V	CTS
KIRTHIKA N	WIPRO	SRUTHI P	CTS
LAKSHMAN SIVAKUMAR D	CTS	SUGANYAA SREE A B	CTS
LAKSHMIPRABA P	CTS	SUNDARA PRIYADHARSHINI G	HCL
MAALAVI A S	CTS	SWETA R	HCL
MAHALAKSHMI M	CTS	TAMILARASI S	MPHASIS
MALLAVARAM GOWRI PRIYA REDDY	CTS	TATA HARIKA	CTS
MANIMEGALAI S	TCS	TEEKAARAM V	CTS
MANISHA A	CTS	VEERAMREDDY MOUNIKA	TCS
MANISHA G	SYRMA	VIDHYA SHREE C	HCL
MOHAMED RIZWAN M E	CTS	VINISHA S	SUTHERLAND
MOHAMMED IMRAN Z	CTS	VISHNU C	CODA GLOBAL
MOHEED S K	SUTHERLAND	VISWA PRASANNA M	CTS
SAI KUMAR REDDY N	WIPRO	DHANISTA W L N	INFOSYS
NISHA A	HCL	YAMINI KRISHNA M	HCL
NISHA E	EY	YUVASHREE V	KPIT
NITHESH KUMAR J	CTS		

Required Interview Skills



Editorial Staff Committee

Dr. N. Gangatharan, Professor and Head of the Department

Dr. C. Arun, Professor

Mr. Sk. Hedayath Basha, Assistant Professor

Editorial Student Committee

Sathvikaa. PGK, III Year ECE - C

Sohith Reddy. V, III Year ECE - C