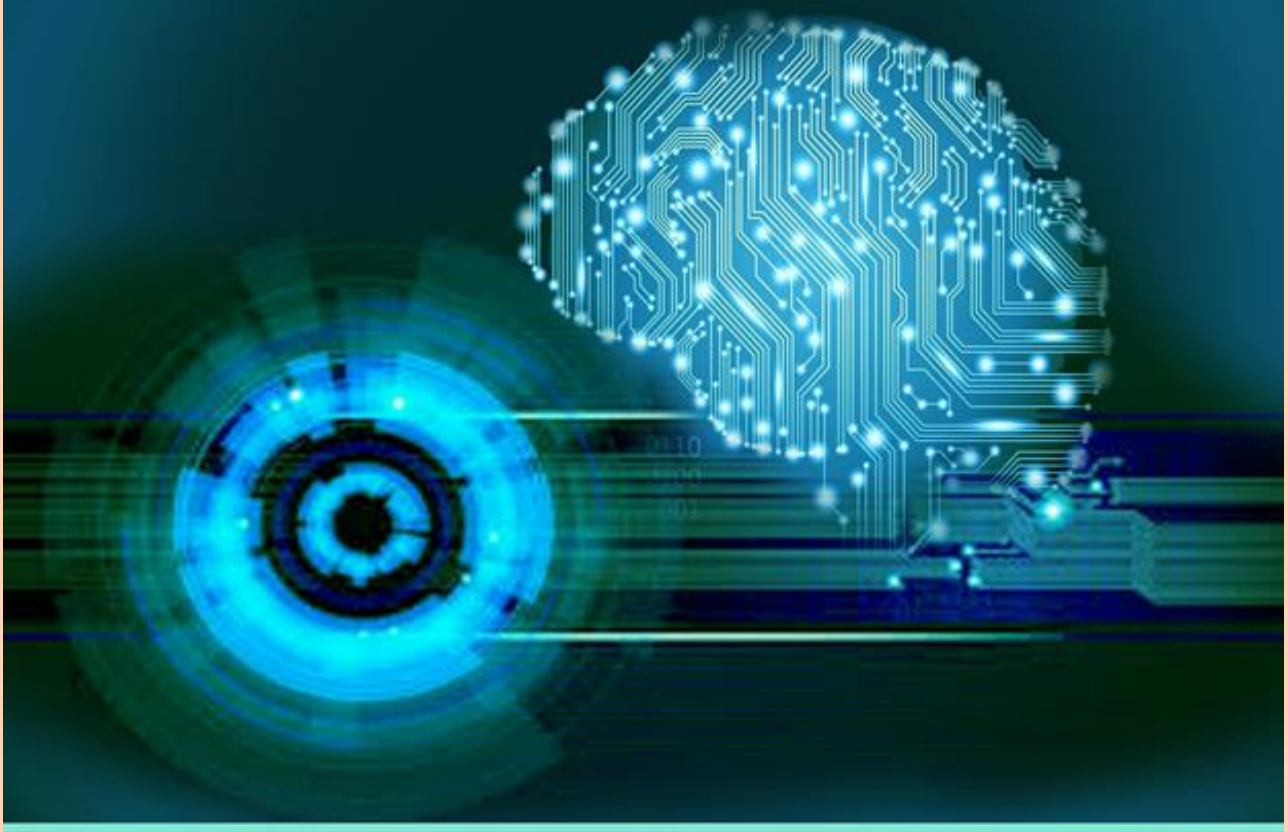
2017-2018 EVEN

The Pulse

Newsletter

Department of

Electronics and Communication Engineering



St.Xavier's Catholic College of Engineering

Chunkankadai, Nagercoil-629 003

NAAC Accredited with 'A' Grade

Events organized:

The ECE department conducted its first International conference on “Recent Advances on Energy-efficient Computing and Communication” on March 01 and 02, 2018. The conference was aimed to provide an intellectual forum for professionals of different culture to exposits and emphasis the application of science and technology for elated existence of human life. The conference received more than 90 papers and among them 75 papers was selected. They were presented on various venues. Papers were presented on various topics under Mobile IOT, Cloud Computing, Smart city security and privacy, Real time Image processing, Signal processing, Multiuser MIMO-OFDM systems.

International Conference on Recent Advances in Energy-efficient Computing and Communication (ICRAECC 2018) - March 01&02

Release of Proceedings -ICRAECC 2018- March 01&02

Er. A. Basker, Technical Advisor, Oman delivered the inaugural address who highlighted the recent advancement in technologies and also stressed the significance to live in harmony with the nature by indicating the present condition persisting in Cape Town.

Key note Address- Er. A. Basker, **Technical Advisor, Oman**

Dr. S. Rajaram, Associate Professor ECE Department, Thigarajar College of Engineering delivered a speech on Energy Efficient Wireless Communication who insisted that reconfigurable computing systems retain the execution speed of dedicated hardware but also have a great deal of functional flexibility.

Key note Address- Dr. S. Rajaram, Thigarajar College of Engineering

Conference paper presentation

The valedictory address for the conference was delivered by Mr. A. BenzigarRajan, Deputy Manager, Cryogenic Instrumentation Systems, ISRO-Mahendragiri who indicated the importance of Cryogenics system in building an effective satellite communication system

Valedictory-conference and electros

Parents Teachers Interaction (PTI) Meeting

PTI Meeting - 10-03-2018

Publications

1. Ablin R, Helen Sulochana C, Iterative-based visualization-oriented fusion scheme for hyperspectral images‟, Journal of signal, Image and Video processing, vol.12, No.4, (2018), pp. 757-765
2. Judson, D, Bhaskar, V, Selvaraj, K, Pre-Equalization Schemes for MIMO CC-CDMA Systems over Frequency-Selective Fading Channels‟, Springer-Wireless Personal Communication, vol 98, no.1, pp. 1587–1603, 2018.
3. Judson, D, Bhaskar, V, Interference Cancellation in CDMA Systems Employing Complementary Codes Under Rician Fading Channels ,Wireless Personal Communication SPringer ,2018, doi.org/10.1007/s11277-018-5732-3.
4. S. Absa, Dr. Shajulin Benedict, Anto Kumar R.P ,Monitoring IaaS using various Cloud Monitors ,Cluster Computing ,Springer, 2018, Cluster Computing DOI 10.1007/s10586-017-1657-y.
5. Preethi, BC & Vijayakumar, M 2018,A novel Cloud Integration Algorithm (CIA) for Energy Efficient High Performance Computing Applications in Big Data Multimedia Applications‟, Romanian Journal of Information Science and Technology., vol. 21, no. 1, pp. 1-11.

FDPs Attended

1.	Dr. A. Milton	Outcome Based Education	18/06/2018 to 19/06/2018
2.	Dr. T. Latha	Outcome Based Education	18/06/2018 to 19/06/2018
3.	Dr. M. Mary Helta Daisy	Outcome Based Education	18/06/2018 to 19/06/2018
4.	Dr. D. Judson	Cryptography and Network Security	21-05-2018 to 27-05-2018
5.	Dr. D. Judson	Computational Enhancement Techniques in Forward and Inverse Problems	19-06-2018 to 23-06-2018
6.	Ms. S. Caroline	Special Electrical Machines	22-06-2018 to 29-06-2018
7.	Ms. S. Caroline	Outcome Based Education	18/06/2018 to 19/06/2018
8.	Ms. S. Mary Vasanthi	Outcome Based Education	18/06/2018 to 19/06/2018
9.	Ms. S. Absa	Outcome Based Education	18/06/2018 to 19/06/2018
10	Ms. Y.R. Annie Bessant	Outcome Based Education	18/06/2018 to 19/06/2018
11	Ms. C. Sheeja Herobin Rani	Outcome Based Education	18/06/2018 to 19/06/2018
12	Ms. Y. Mary Reeja	Outcome Based Education	18/06/2018 to 19/06/2018
13	Mr. R. Florin Raja Singh	Outcome Based Education	18/06/2018 to 19/06/2018
14	Mr. S. Edwin Lawrence	Pedagogical Initiatives in outcome based Education	18/06/2018 to 19/06/2018
15	Ms. R.L. Janne Helma	Outcome Based Education	18/06/2018 to 19/06/2018
16	Mr. Agnel Lvingston L.G.X	Outcome Based Education	18/06/2018 to 19/06/2018
17	Ms. T. Mary Little Flower	Outcome Based Education	18/06/2018 to 19/06/2018
18	Mr. X. Ascar Davix	Outcome Based Education	18/06/2018 to 19/06/2018
19	Mr. L. Maceal Tony	Outcome Based Education	18/06/2018 to 19/06/2018
20	Mr. T. Denvar Pravin Joy	Outcome Based Education	18/06/2018 to 19/06/2018
21	Mr. M. Starwin	Principles of Digital Signal Processing	16/06/2018 to 22/06/2018
22	Mr. Selvin Pradeep Kumar S.	Outcome Based Education	18/06/2018 to 19/06/2018

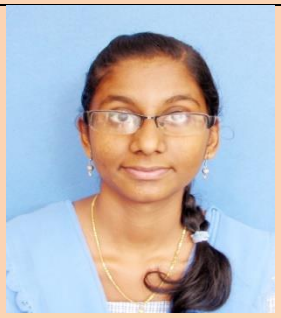
Student Activities and Achievements

S.NO	STUDENT NAME	AWARD/RECOGNITION	**AWARD** State/College/ National/ International
1.	Ms. Ankayarkanni R	2018 WIE Inspiring Student Member of the Year Award.	International
2.	Ms. Sajithra E. C	Second Prize-Paper Presentation, E-SPART 2018, Symposium, Rohini College of Engineering and Technology.	National
3.	Mr. Khalil Rose Samuel D	First Prize- Technical Quiz, YUKTHI'18, Symposium, Cape Institute of Technology.	National
4.	Mr. Dan Francis R	First Prize- District Level Inter College Quiz, Scott Christian College, Nagercoil.	District
5.	Mr. BlessoAnto Y. J	First Prize- RHYTHM of MARFESTA'2018, Marephraem College of Engineering and Technology.	District
6.	Mr. BlessoAnto Y. J	First Prize- Group Song, State Level Inter Collegiate Culture Fest, Rohini College of Engineering and Technology.	State
7.	Mr. BlessoAnto Y. J	Second Prize- ROCKON, MARFESTA'2018, Marephraem College of Engineering and Technology.	District
8.	Ms. SteffyAnto M	Second Prize- Group Dance Western, MARFESTA'2018, Marephraem College of Engineering and Technology.	District
9.	Ms. Aswini M. S	First Prize, YUVA'2018, Rohini College of Engineering and Technology.	State
10.	Ms. Aswini M. S	Second Prize- Western Dance, MIMICFEST'2018, Nesamony Memorial Christian College, Marthandam.	District
11.	Mr. BlessoAnto Y. J	First Prize- Group Song, MARFESTA'2018, Marephraem College of Engineering and Technology.	District
12.	Ms. Saranya V Kishore	First Prize- Solo Song, Kala Srishti, SreeAyyappa College for Women	District

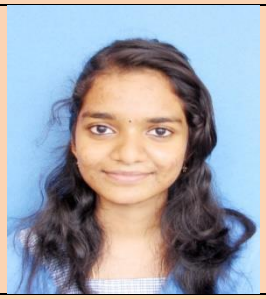
Indusrial Visits	
Name of the Organization	**Date of the Visit**
Keltron, Thiruvananthapuram.	18-01-2018 & 19-01-2018

KINFRA High-Tech Park, Kochi.	05-01-2018
Kerala Electrical and Allied Engineering Co. Ltd., Kochi.	04-01-2018
Central Marine Fisheries Research Institute (CMFRI), Kerala.	04-01-2018

Placed Students

		
SARANYA V KISHORE	**JENIFER SOLOMAN.S**	**ANUJA.B**
CO-CORE INDIA TECHNO SOLUTION	**TECH MAHINDRA, ALL SEC**	**VPG,CO-CORE INDIA TECHNO SOLUTION**
ANKAYARKANNI.R	**BABISHA.S**	**DAFFLIN MERLY.P**
FORMCEPT,INFOSYS	**INFOSYS,VPG**	**INFOSYS**
F. PRIYANKA	**RESHMA A.N**	**NIVETHA.R**
INFOSYS,INFOVIEW	**TECH MAHINDRA**	**TECH MAHINDRA**

THAMINI.T.S	**NISHALIN JUDITH.N**	**MARINA ROSE**
TECH MAHINDRA	**TECH MAHINDRA**	**SUTHERLAND,ALLSEC**
DHIBIAH A.L	**SHALICIA.A**	**ASHA.M**
SUTHERLAND	**SUTHERLAND**	**SUTHERLAND**
RAHUL G. NATH	**GEETHU S.V NAIR**	**MANICKA VASAGAM.S**
SUTHERLAND	**FOXCONN GROUP,ALLSEC**	**VPG SENSORS**
ANNIE VINISHA.V	**ASHA MADITHIN**	**SUGANTHI.B**
VPG SENSORS,SUBASH	**VPG SENSORS**	**VPG SENSORS**

RASHMA R.V	**ANU PRIYA.P**	**JESSIE JUDI ROBINSON**
VPG SENSORS	**JUST DIAL**	**JUST DIAL**
		
VAISHNAVI V.V	**ANLIN LORA CHARLES.C**	**BATHOOL AFRA.S**
JUST DIAL	**SUBASH TECHNOSIS**	**HEXAWARE**
ARUL ANGEETHA	**BABISHA R.P**	**BRITHA.M**
ALLSEC TECHNOLOGIES	**ALLSEC TECHNOLOGIES**	**ALLSEC TECHNOLOGIES**
BAVITHRA R.V	**BENCY.S**	**SHALOVIN G.D**
ALLSEC TECHNOLOGIES	**ALLSECTECHNOLOGIES**	**ALLSEC TECHNOLOGIES**

ARCHANA.S	**SHUNMUGA PRIYA.E**	**SHIJU DANIEL.D**
HEXAWARE	**HEXAWARE**	**SUBASH TECHNOSIS**

JENIFER JISHA MOL D.R	**GAYATHRI L.S**	**ASHMI M.K**
SUBASH TECHNOLOGIES	**SUBASH TECHNOLOGIES**	**SUBASH TECHNOLOGIES**

ASHA J.S	**SHRAVAN J.S**	**BABISHA.O**
IDBI	**IDBI**	**IDBI**

Vision of the Department

Developing technically competent Electronics and Communication Engineers with academic excellence, innovative research, ethical standards and international outlook to serve the society

Mission of the Department

M1: ***To provide quality teaching in order to produce graduates with academic excellence, technical competence and ethical values.***

M2: ***To develop advanced professionalism and exceptional career growth through inspiring faculty members and excellent infrastructure.***

M3: ***To create awareness on state of the art technologies through research and industry-institute collaboration.***

M4: ***To inculcate a sense of innovation and commitment among the students to apply knowledge and technologies for the benefit of the society.***

Program Educational Objectives (PEOs)

PEO1: ***To enable graduates to pursue research, or have a successful career in academia or industries associated with Electronics and Communication Engineering or as entrepreneurs.***

PEO2: ***To provide students with strong foundational concepts and also advanced techniques and tools in order to enable them to build solutions or systems of varying complexity.***

PEO3: ***To prepare students to critically analyze existing literature in an area of specialization and ethically develop innovative and research oriented methodologies to solve the problems identified.***