PMC TECH
INSPIRE TO INNOVATE

Er. PERUMAL MANIMEKALAI COLLEGE OF ENGINEERING

(Accredited by NAAC with 'B++' Grade / ISO 9001:2015 Certified Institution)

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TÜV SÜD ISO 9001

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ECE ANNUAL NEWS LETTER 2019

INSTITUTION AT A GLANCE

PMC TECH Institution established in the year 1996 by the founder chairman Er.PERUMAL & sponsored by Er.PERUMAL MANIMEKALAI Telugu minority educational and charitable trust situated next to the Industrial hub hosur. The Institution is branched with engineering college, polytechnic college and ITI matriculation school.

PMC TECH ENGINEERING COLLEGE AT A GLANCE

Established in the academic year 2002 and 2003 approved and affiliated by AICTE and Anna university respectively, the college inculating values of education into the young generation attained outstanding results and thereby created name for itself in the region as a leading Institution.

ABOUT THE DEPARTMENT

Embarked on the PME TECH Engineering college, the Department of Electronics & Communication Engineering has made a steady growth in almost all the aspects .On the strength factor, the intake started with 40seats in 2002,gradually increased to 60 seats in 2004 and 120 seats from 2006 onwards. The department offers a regular four year B.E Programme in "Electronics and Communication Engineering" and effective June 2012 started two year M.E programme in "Applied Electronics".

The Department has well equipped laboratories such as VLSI Design, DSP, Microwave, RF Communication system, Microprocessor, Microcontroller, Linear and digital IC and Electronics Labs. The Department, with two-level quality assessment rating for teaching and also reputation for research, registered tremendous growth in teaching/research and has attained its recognition at National and International levels.

The Department with its experienced faculties ensure that the students concerned thoroughly acquire subjects knowledge (hard-skills). Simultaneously soft skill training with internal/external team, glimpse of Industrial visits, Seminars, Workshops etc are provided from time to time and thus the students are gainfully employed in reputed organizations.

VISION OF THE DEPARTMENT

To emerge as a vibrant department in imparting quality education through industrial experiences, interdisciplinary research, innovation and group activity in Electronics and Communication Engineering.

MISSION OF THE DEPARTMENT

- ✔ To prepare Electronics and Communication graduates to meet global challenges by inculcating engineering values and quest for modern technologies.
- ✔ To impart technical quality education through research outlook and industry relevant skills enhancing employability of graduating engineers.
- ✔ To create centers of excellence in emerging areas of national importance with industry and university collaborations.
- ✔ To develop entrepreneurial skills among graduates and provide them with incubation assistance.

CHAIRMAN'S MESSAGE

"Next in important to freedom and justice is popular education, without which neither freedom nor justice can be permanently maintained"

It is the high time to realize your dream which is in the main stream of your professional career and to feel proud to be part of this most prestigious Institution. PMC Tech has a history of more than 10 years. Degree in the technical education like engineering has become the foremost academic qualification for all leading industries. Academicians and Industrialists alike have recognized the value of the degree in the developing challenges of the rapidly changing technical environment. Equip the student with advanced knowledge in the field of Electronics and Communication Engineering as well as professional skills which is necessary to face the challenges of the future. Engineer them to engage in research activities leading to innovative applications of technology for the benefit of mankind. Enable them to become responsible citizens of the country with willingness to serve the society.

SECRETARY'S MESSAGE

"Education is better safeguard of liberty than a standing army"

My heart felt compliments to the fifth issue of "Annual ECE NEWS Letter". It is a new way for us to communicate with our constituents – students, college members, alumni and industrial partners. The newsletter reflects the board activities of ECE Dept of our college. True education indeed paves the path for the children to learn new things in a correct manner. It helps them to broaden their perspectives and enrich their knowledge to face the globally competitive era. The Department has a global reach with its wide and strong alumni network. It includes among them Entrepreneurs, Teaching professionals, Managers, Scientists and Administrators at the highest levels in their respective fields. We hope this newsletter will serve as a useful resource as you get to know the Department.

TRUSTEE'S MESSAGE

"Education is the manifestation of the perfection which is already in man"

PMC TECH works towards preparing highly qualified team of technocrats not only by making them technically fit as well. Yes, we at PMC Engineering College stress also upon human values and professional ethics besides making them technically sound. Our students find their teachers as role models and believe in posing ethics instead of posing illusion. The Goal of the ECE Department is to impart technical knowledge and expertise to the students in the field of Electronics and Communication Engineering to enable them in understanding the real – world problems and solve them for the betterment of society. We strive for excellence and interaction opportunities with scholars and this is being amply reflected in this fifth issue of annual newsletter. I congratulate the editorial team to come up with fifth issue of annual newsletter PMC ECE newsletter and wish them All the Best.

"Education is not all about studying and getting good marks. It is really a means to discover new things which we don't know about and increase

An educated person has the ability to differentiate between right and wrong or good and evil. A person becomes perfect with education as he/she is not only gaining something from it, but also contributing to the growth of nation. Therefore it is the foremost responsibility of a society to educate its citizens and PMC TECH goes a step further by ensuring that its students surmount in their field of studies. This is possible but because of the best efforts of the Department concerned and obviously exhibiting their developmental activities as newsletter is most welcome and my complements to ECE for instant commencement.

PRINCIPAL MESSAGE

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

To educate a student in mind and in morals is the most significant need of the hour. We at PMC TECH provide quality education adhered to discipline that composes every student to realize the self and inspires them to build their career with greater confidence in this ever changing competitive society. PMC TECH has a long list of achievements in providing quality education while meeting the basic ceiteria of affordability, accessibility and quality, "Tell me and I'll forgot, show me and I may not remember, Involve me and i'll understand." I am delighted to know the Electronics and Communication Department has released a newsletter. The initiative by students and faculty members show the attachment and commitment to this Engineering profession. I am sure this newsletter will be a strong resource to the student and researchers and keep them in touch with attachment in this area. I wish all the best and promise all possible support for ECE Department.

HOD MESSAGE

"Education is the key to unlock the golden door of freedom"

Electronics and Communication Engineering is the branch that deals with designing and testing circuits which that use the electromagnetic property of electronics components such as resistors, capacitors, inductors and transistors to achieve a particular functionality. The theoretical, together with the practical content of the course provides a thorough knowledge of the core concepts relating to transmission of signals along the globe. Our aim is to develop young technocrats, ability to solve design oriented problems in electronic circuits, communication systems and signal processing. Electronics and Communication engineers have good employment opportunity in Smart Phones, Microwave, Satellite communication, Telecommunication, Embedded systems, VLSI Design and IT domain.

TECH EXPO 2019 – ECE

The Department of ECE had conducted two days Technical Exhibition on 31st January 2018 and 01st February 2019 in our campus.

The Chief Guest Mr.B.GANAGADHARA RAO, General Manager, IIGM Private Limited, Bangalore, Er.P.Perumal the chairman, Smt.P.Mallar the Trustee, Er.P.Kumar the Secretary and Dr.S.Chitrathe principal, of our college was present for the Inaugural Function.

In this Exhibition ECE Department displayed 37 Projects. About 9000 students from various colleges, Polytechnic, School and other department students visited to see the projects.

Among the department level three best projects have been selected and awarded with a cash prize of Rs.2500, Rs.2000, and Rs.1500 with 1st, 2nd and 3rd respectively.

NATIONAL LEVEL TECHNICAL SYMPOSIUM 2K18

On 18th September 2018 the national level technical symposium ELECTROVISION – 2K18 was organized in our college campus.

The Chief Guest Dr.R.Sakthivel, Associate Professor, School of Electronics Engineering, VIT University, Vellore, Er.P.Perumal the chairman, Smt.P.Mallar the Trustee, Er.P.Kumar the Secretary and Dr.S.Chitra the principal, of our college was present for the Inaugural Function.

In this programme, 30 Papers Presentations of various colleges from Tamilnadu, Karnataka and Andra Pradesh were presented in the area of VLSI Design, Communication System, Digital Signal Processing, Image Processing and Real Time Embedded Systems etc.,

TECH EXPO DETAILS

S.NO	PROGRAMME	CHIEF GUEST	PARTICIPANTS	DATE
1	TECH EXPO 2019	Mr.B.Ganagadhara Rao, General Manager, IIGM Private Limited, Bangalore.	Various other College, Polytechnic & School Students and PMC College Students	31st January 2019 & 01st February 2019

SYMPOSIUM DETAIL

S.NO	PROGRAMME	CHIEF GUEST	PARTICIPANTS	DATE
1	SYMPOSIUM ELECTROVISION 2K18	Dr.R.Sakthivel.Ph.D., Associate Professor School of Electronics Engineering VIT University, Vellore.	Various Other College Students and PMC College Students	18th September 2018

VALUE ADDED COURSE

S.NO	PROGRAMME TOPIC	RESOURCE PERSON	PARTICIPANTS	DATE
1.	MOBILE CIRCUIT DESIGNING CONCEPTS	Mr.C.Velumani, Trainee & Project Developer, New Technologies, Coimbatore.	II Year ECE Students	03rd December 2018 to 07th December 2018

1. Value Added Course on "Mobile Circuit Designing Concepts" - 03.12.2018 to 07.12.2018

The five days value added course on "Mobile circuit designing concepts" was conducted from 03rd December 2018 to 07th December 2018 (9 am to 4.30 pm). The value added course is about Mobile circuit designing concepts. Around 38 students of ECE II year participated in this program. We are invited the resource person Mr.C.Velumani, New Technologies, Coimbatore.

Value Added Course on "Mobile Circuit Designing Concepts"

WORKSHOP

S.NO	PROGRAMME TOPIC	RESOURCE PERSON	PARTICIPANTS	DATE
1.	ARDUINO WITH IOT	Mr.G.Jaisarathy, Embedded Project Developer, One Yes Technologies, Chennai.	II Year ECE Students	18th February 2019 to 21st February 2019
2.	OPTIMIZATION OF VLSI CIRCUITS USING ASIC GUI	Mr. R. Ravikumar Reddy, SANARYS, Bangalore.	III Year ECE Students	18th February 2019 to 19th February 2019
3.	ELECTRONIC SYSTEM DESIGN AND MICROCONTROLLERS	Mr.M.E.Rajamanikam, Bits 'N' Watts Embedded Solution, Chennai.	II Year ECE Students	12th September 2018 to 15th September 2018
4.	PYTHON PROGRAMMING	Mr. R. Ravikumar Reddy, SANARYS, Bangalore.	III Year ECE Students	11th September 2018 to 14th September 2018
5	AUTOMOTIVE EMBEDDED SYSTEMS USING ARM	Mr.G.Jaisarathy, Embedded Project Developer, One Yes Technologies, Chennai.	IV Year ECE Students	06th September 2018 to 08th September 2018

1. Workshop on "ARDUINO with IOT" – 18.02.2019 to 21.02.2019

The four days workshop on "ARDUINO with IOT" was conducted from 18th February 2019 to 21st February 2019. The workshop is about Programming of ARDUINO Microcontroller with IOT. Around 85 students of ECE II year participated in this program. We are invited resource person Mr.G.Jaisarathy, Embedded Project Developer, One Yes Technologies, Chennai.

Workshop on "ARDUINO with IOT"

2. Workshop on "Optimization of VLSI circuits using ASIC GUI" – 18.02.2019 to 19.02.2019

The two days workshop on "Optimization of VLSI circuits using ASIC GUI" was conducted from 18th February 2019 to 19th February 2019. The workshop is about various optimization techniques of VLSI circuits using ASIC GUI. Around 69 students of ECE III year had participated in this program. We are invited the resource person Mr.R.Ravikumar Reddy, SANARYS, Bangalore.

Workshop on "Optimization of VLSI circuits using ASIC GUI"

3. Workshop on "Electronic System design and Microcontrollers" – 12.09.2018 to 15.09.2018

The three days workshop on "Electronic System design and Microcontrollers" was conducted from 12th September 2018 to 15th September 2018. Around 87 students of ECE II year participated in this program. We are invited resource person Mr.M.E.Rajamanikam, Bits 'N' Watts Embedded Solution, Chennai.

Workshop on "Electronic System design and Microcontrollers"

5. Workshop on "Python Programming" – 06.09.2018 to 08.09.2018

The three days workshop on "Python Programming" was conducted from 11th September 2018 to 14th September 2018. Around 68 students of ECE III year participated in this program. We are invited resource person Mr. R. Ravikumar Reddy, SANARYS, Bangalore.

Workshop on "Python Programming"

5. Workshop on "Automotive Embedded systems using ARM" – 06.09.2018 to 08.09.2018

The three days workshop on "Automotive Embedded systems using ARM" was conducted from 06th September 2018 to 08th September 2018. Around 74 students of ECE IV year participated in this program. We are invited resource person Mr.G.Jaisarathy, Embedded Project Developer, One Yes Technologies, Chennai.

Workshop on "Automotive Embedded systems using ARM"

GUEST LECTURE:

S.NO	PROGRAMME TOPIC	RESOURCE PERSON	PARTICIPANTS	DATE
1	ELECTROMAGNETIC FIELDS	Mr.S.Sree Soudhary, Assistant Professor, Depaetment of ECE, Sona College of Technology, Salem.	II Year ECE Students	22nd February 2019
2	SIGNALS AND SYSTEMS	Dr.M.RAMASAMY, Associate Professor, Department of EEE, K.S.R. College of Engineering, Tiruchengode, Tamilnadu.	II Year ECE Students	30th August 2018 & 01st October 2018

S.NO	PROGRAMME TOPIC	RESOURCE PERSON	PARTICIPANTS	DATE
3	CONTROL SYSTEMS	Mr.Sundaravadivel, Associate Professor, Department of EEE, K.S.R. College of Engineering, Tiruchengode.	II Year ECE Students	04th September 2018 & 01st September 2018
4	DIGITAL SIGNAL PROCESSING	Dr.C.Gowri Shankar, Associate Professor, Department of EEE, K.S.R. College of Engineering, Tiruchengode.	III Year ECE Students	30th August 2018 & 01st October 2018
5	TRANSMISSION LINES & WAVE GUIDES	Mr. D. Venkatesh, Assistant Professor, Department of ECE, PSG Institute of Technology and Applied Research, Coimbatore.	III Year ECE Students	15th September 2018
6	DIGITAL IMAGE PROCESSING	Dr.C.Gowri Shankar, Associate Professor, Department of EEE, K.S.R. College of Engineering, Tiruchengode.	IV Year ECE Students	30th August 2018 & 01st October
7	RF & MICROWAVE ENGINEERING	Mr. D. Venkatesh, Assistant Professor, Department of ECE, PSG Institute of Technology and Applied Research, Coimbatore.	IV Year ECE Students	15th September 2018

1. Guest Lecture on "Electromagnetic Fields" – 22.02.2019

The one day Guest Lecture on "Electromagnetic Fields" was conducted on 22nd February 2019. The Guest Lecture is about Electromagnetic Fields. Around 85 students of ECE II year participated in this program. We are invited resource person Mr.S.Sree Soudhary, Assistant Professor, Department of ECE, Sona College of Technology, Salem.

Guest Lecture on "Electromagnetic Fields"

2. Guest Lecture on "Signals and Systems" – 30.08.2018 & 01.10.2018

The two days Guest Lecture on "Signals and Systems" was conducted on 30th August 2018 and 01st October 2018. The Guest Lecture is about Signals and Systems. Around 87 students of ECE II year participated in this program. We are invited resource person Dr.M.Ramasamy, Associate Professor, Department of EEE, K.S.R. College of Engineering, Tiruchengode.

Guest Lecture on "Signals and Systems"

3. Guest Lecture on "Control Systems" – 04.09.2018 & 01.10.2018

The two days Guest Lecture on "Control Systems" was conducted on 04th September 2018 and 01st October 2018. The Guest Lecture is about Control Systems. Around 87 students of ECE II year participated in this program. We are invited resource person Mr.Sundaravadivel, Associate Professor, Department of EEE, K.S.R. College of Engineering, Tiruchengode.

Guest Lecture on "Control Systems"

4. Guest Lecture on "Digital Signal Processing" – 30.08.2018 & 01.10.2018

The two days Guest Lecture on "Digital Signal Processing" was conducted on 30th August 2018 and 01st October 2018. The Guest Lecture is about Digital Signal Processing. Around 68 students of ECE III year participated in this program. We are invited resource person Dr.C.Gowri Shankar, Associate Professor, Department of EEE, K.S.R. College of Engineering, Tiruchengode.

Guest Lecture on "Digital Signal Processing"

5. Guest Lecture on "Transmission Lines & Wave Guides" – 15.09.2018

The one day Guest Lecture on "Transmission Lines & Wave Guides" was conducted on 15th September 2018. The Guest Lecture is about Transmission Lines and Wave Guides. Around 68 students of ECE III year participated in this program. We are invited resource person Mr. D.Venkatesh Assistant Professor, Department of ECE, PSG Institute of Technology and Applied Research, Coimbatore.

Guest Lecture on "Transmission Lines & Wave Guides"

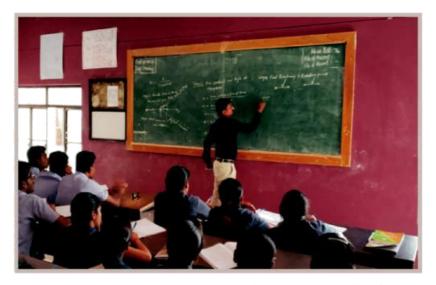### 6. Guest Lecture on "Digital Image Processing" – 30.08.2018 & 01.10.2018

The two days Guest Lecture on "Digital Image Processing" was conducted on 30th August 2018 and 01st October 2018. The Guest Lecture is about Digital Image Processing. Around 74 students of ECE IV year participated in this program. We are invited resource person Dr.C.Gowri Shankar, Associate Professor, Department of EEE, K.S.R. College of Engineering, Tiruchengode.

Guest Lecture on "Digital Image Processing"

7. Guest Lecture on "RF & Microwave Engineering" – 15.09.2018

The one day Guest Lecture on "RF & Microwave Engineering" was conducted on 15th September 2018. The Guest Lecture is about RF & Microwave Engineering. Around 68 students of ECE IV year participated in this program. We are invited resource person Mr. D.Venkatesh Assistant Professor, Department of ECE, PSG Institute of Technology and Applied Research, Coimbatore.

Guest Lecture on "RF & Microwave Engineering"

MEMORANDUM OF UNDERSTANDING (MOU)

The ECE Department of PMCTECH made MOU with SANARYS Private Limited, Bangalore, Rajiv Gandhi Memorial Telecom Training Centre (RGMTTC), an Institute under Bharat Sanchar Nigam Limited (BSNL), TamilNadu Telecom Circle, Chennai.

❖ Providing telecom training services through instructor led training.

❖ Workshops, Seminars and also.

❖ Distance - Learning through Web Based Seminars etc.

PROFESSIONAL BODIES

THE INSTITUTION OF ELECTRONICS & TELECOMMUNICATION ENGINEERING

INDIAN SOCIETY FOR TECHNICAL EDUCATION

FACULTY DEVELOPMENT PROGRAM

S.NO	PROGRAMME TOPIC	RESOURCE PERSON	PARTICIPANTS	DATE
1.	IOT & ITS APPLICATION	Dr. Shriram K. Vasudevan Assiant Professor, Computer Science, School of Engineering, Amrita Vishwa Vidyapeetham, Coimbatore.	External & Internal Faculties	29th November 2018 to 30th November 2018

1. Faculty Development Programme on "IOT & its Application" – 29.11.2018 to 30.11.2018

The two days IETE and IEEE chapter Faculty Development Programme on "IoT & its application" was conducted from 29th November 2018 to 30th November 2018. The FDP is about IoT and its application. Around 52 faculties participated in this program. We invited two research persons Dr. Shriram K. Vasudevan, and Mr.A.Baskar, Assistant Professor, Computer Science, School of Engineering, Amrita Vishwa Vidyapeetham, Coimbatore.

Faculty Development Programme on "IOT & its Application"

S.No	Faculty Name	Title of the Publication	Publisher	Year
1	Dr.V.Vijayakumari HOD / ECE	Genetic Algorithm Based Location of Optic Disc in Retinal Images	Academic Open Internet Journal	2006
		Performance measure of Local Operators in Finger Print Detection	Academic Open Internet Journal	2008
		Comparative Survey of the Detection of Optic Disk and Exudates in Retinal	Medwell Journal of Engineering and Applied Science.	2008
		Detection of Optic Disk in Retinal Images-A Comparison	International Journal of Computer Science and Engineering	2009
		Diabetic Retinopathy-Early Detection Using Image Processing Technique	International Journal of Computer Science and Engineering	2010
		Exudates Detection Methods in Retinal Images Using Image Processing Techniques	International Journal of Scientific and Engineering Research	2010
		Blood Vessel Extraction Using Wiener Filter and Morphological Operations	International Journal of Computer Science and Emerging Technologies	2010
		Comparison of SVD based Image Watermarking Techniques Implemented for Gray scale and Color Image	International journal of Machine Intelligence	2011
		Survey on the Detection Methods of Blood Vessel in Retina Images	European Journal of Scientific Research	2012
		Comparison of DCT-SVD Based Image Watermarking Techniques Implemented for Gray Scale and Color images	Bonfring International Journal of Advances in Image Processing	2012

S.No	Faculty Name	Title of the Publication	Publisher	Year
		Comparison of DCT-SVD Based Image Watermarking Techniques Implemented for Gray Scale and Color Images	Bonfring International Journal of Advances in Image Processing	2012
		Automatic Detection of Defects in Industrial applications Using Block Processing	International Journal of Artificial Intelligence and Mechatronics	2012
		An Efficient Image Compression Technique with Dead Zone Quantization Through Wavelet-Based Contourlet Transform with SPIHT Encoding	International Review on Computers and Software	2013
		Detection of Haemorrhages in Retinal Images	Indian Journal of Applied Research	2013
		Energy Efficient Routing protocols in Wireless Sensor Networks	International Journal of Computer networks and Wireless Communication	2013
		Face RecognitionTechniques	A Survey World Journal of Computer Application and Technology	2013
		Power Optimization Technique for Circuits Using Fine Grain Clock Controller at Leaf Nodes	Asian Journal of Information Technology	2014
		Matched filter based spectrum sensing for Cognitive radio at low signal to noise ratio	Journal of Theoretical and Applied Information Technology	2014
		Grained Network for Leakage Power Optimization in FPGA Controlled Devices	Advances in Natural and Applied Sciences	2014

S.No	Faculty Name	Title of the Publication	Publisher	Year
		Reversible data embedding using wavelet technique and lossless recovery of original images	The International Journal Of Engineering And Science	2015
		Real Time Implementation of RGB Colour Sensor based on the Jaundice Detection system	International journal of Applied and Environmental Sciences(IJAES)	2014
		Performance Analysis of Various Edge Detection Techniques In Cleft Lip Images Using Curvelet Transform	International Journal of Applied Engineering Research	2015
		Healthcare IOT-A Multilayer Security Mechanism using Linear Programmable Pre-coded Matrix Decomposition Method	International Journal of Applied Engineering Research	2015
		Pulsed CMOS Neural Network Design in Subthreshold Region using Translinear Principle	International Journal of Applied Engineering Research	2015
		Performance Analysis and Characterization Of Clock Network In CMOS Processor	Journal of Applied Sciences Research	2015
		CMOS Asynchronous Pulse Converter circuit for voltage modePWN analog neuron	Journal of Applied Sciences Research	2015
		Security Enhanced channel pre-authentication and data Access using Hadamard pattern in wireless Personal area networks	ARPN Journal of Engineering and Applied Sciences	2016

S.No	Faculty Name	Title of the Publication	Publisher	Year
		Pulsed CMOS Neural Network Design in Subthreshold Region using Translinear Principle	International Journal of Applied Engineering Research	2015
		Performance Analysis and Characterization Of Clock Network In CMOS Processor	Journal of Applied Sciences Research	2015
		CMOS Asynchronous Pulse Converter circuit for voltage modePWN analog neuron	Journal of Applied Sciences Research	2015
		Clock node power performance analysis in CMOS processor	International Journal of Advanced Research Trends in Engineering and Technology	2015
		Data Hiding Techniques for Authentication: A Comparison	International Journal of Human Machine Interaction	2015
		Security Enhanced channel pre-authentication and data Access using Hadamard pattern in wireless Personal area networks	ARPN Journal of Engineering and Applied Sciences	2016
		Fuzzy Neural Network Classification of all True Vessels from Segmented Retinal Images	Asian Journal of Research in Social Sciences and Humanities	2016
		A Strenuous Macro-analysis On the Substratals of Securing Bluetooth Mobile Workforce Devices	Indian Journal of Science and Technology	2016
		Intelligent MAC Protocol for Wireless Sensor Networks	International Journal of Advanced Research in Electrical, Electronics and Instrumentation Engineering	2016

		Air Pollution Monitoring Using WSN in Cement Factory	Journal of Computational and Theoretical Nanoscience	2018
		Clock node capacity minimization using lookup table based controller for ultrasound and medical imaging processor	Cluster Computing,	2018
2	Dr.A.Kavitha	Design and Development of Autonomous ground vehicle for wildlife monitoring	International Journal of Innovative Research in Computer and Communication Engineering	2016
		A novel automatic stepwise signal processing based computer aided diagnosi system for epilepsy- seizure detection and classification for EEG	Biomedical Research,Computational Life Science and Smarter Technological Advancement	2016
		Brain Abnormality Detection using the Harmonic Wavelet Packet Decomposition and Improved Compositional Pattern Producing Networks	International Journal of Control Theory Applictions	2016
		Implementing Automatic Brain Abnormality Detection System Using Reactive Optimized Convolution Neural Networks	Recent Advances In Big Data Analysis	2015
		EEG signal analysis for detection of Abnormalities with CWT and SVM Technique	Australian Journal of Basic and Applied Sciences	2015
		EEG Signal Clustring And Compression Using Enhanced Fuzzy C Means Clustring and Runlength Coding	International conference on Emerging Trends In Engineering & Technology	2015

S.No	Faculty Name	Title of the Publication	Publisher	Year
		Semi Automatic Epilepsy Spike Detection From EEG signal Using Genetic Algorithm & Wavelet Transform	National Conference on Organic Electronics	2014
		Compressed sensing & Epilepsy detection using EEG with Fuzzy C means Based Clustring Methods	First National Conference on Emerging Trends in Civil, Computer, Elelctrical, Electronics &Mechanical Engineering	2015
3	Mr.S.PrasannaVenkatesan	PAPR and ICI reduction in OFDM systems using modified raised cosine power pulse	European Journal of Scientific Research	2016
4	Mrs.S.Geetha	Energy Optimized Video Transmission over LTE Networks using Quasi-Qam	REACT'15, SRM University, Chennai	2016
5	Mrs.S.Vidhya	Human following intelligent cart	International journal of electrical, electronics and data communication(IJEEDC)	2018
		Genuine stage detection of brain tumor segmentation in MRI images using neural images	IEEE international conference on electronics communication and aerospace technology	2018
		A novel method of Controlling Wheel chair Using HandGlove	International Conference on Communication and Technology	2017
		IOT Based Smart Agriculture	International Conference on Communication and Technology	2017
6	Mr.E.Veera Boopathy	Design and Analysis of 1T DRAM architectures using Ambipolar MISFETs	Microelectronics, Springer	2018

S.No	Faculty Name	Title of the Publication	Publisher	Year
		FPGA realization of high-efficient address generator algorithm for WiMAX Deinterleaver	Microelectronics, Springer	2018
		Realization of high speed low power MCC adder using dynamic CMOS transistors	IEEE Explore	2018
		RFID based Automatic smart navigation cart using IOT	IJIERM	2017
		Design and implementation of Low power area efficient rounded truncated multiple constant multiplier for FIR filters	IJERT	2016
		Low power and high performance MOSFET	IEEE Explore	2015

INDUSTRIAL VISIT

S.NO	PROGRAMME TITLE	INDUSTRY NAME	PLACE	VISITERS	VISITED DATE
1	INDUSTRIAL VISIT	ISRO SATELLITE CENTER	BENGALORE	III YEAR ECE STUDENTS	08.07.2018

1. Industrial Visit to "ISRO SATELLITE CENTER" at Bangalore on 12th July 2018

Third year ECE students attended one day Industrial Visit to "ISRO Satellite Centre" at Bangalore on 23.07.2018 was conducted for III year ECE Students. Around 68 students and 2 staffs had a chance to visit the ISRO Satellite Centre, Bangalore. In this industrial visit, the students had a glimpse of the various components belonging to the field of satellite and space communication.

STUDENTS CLUB ACTIVITIES

Our ECE Department always motivate and enhancing research work to provide the solution for recent issues in different areas.

HOD and staffs induce the technical knowledge and communication skills to the students by conducting the technical quiz and group discussion periodically.

MOTIVATIONAL PROGRAMME

As a part of motivating our students in achieving their goals and by guiding them in a right way so many motivational programs are being conducted in our campus.One such motivational program was conducted by Mr. Marabin Maindan Muthiah, Chief Editor & Journalist, NamathuNambikai & Team members.

National Conference & Symposium Participation

S.No	STUDENT NAME	Dept/Year	EVENT	ORGANIZED BY	DATE
1	Ramya Shree B. Sekar	ECE/Fouth	Paper Presentation	Adhiyamaan College of Engineering, Hosur.	28.09.2018
2	S.Swetha	ECE/Fouth	Paper Presentation	Adhiyamaan College of Engineering, Hosur.	28.09.2018
3	I.Ayisha	ECE/Second	Paper Presentation	Adhiyamaan College of Engineering, Hosur.	28.09.2018
4	Kavya Shree B. Sekar	ECE/Second	Paper Presentation	Adhiyamaan College of Engineering, Hosur	28.09.2018
5	N.R.S.Archana	ECE/Third	Paper Presentation	PSV College of Engineering and Technology, Krishnagiri	07.09.2018
6	S.Ashwini	ECE/Third	Paper Presentation	PSV College of Engineering and Technology, Krishnagiri.	07.09.2018
7	S.Bhavya	ECE/Third	Paper Presentation	PSV College of Engineering and Technology, Krishnagiri.	07.09.2018
8	T.Afshan Taj	ECE/Third	Paper Presentation	PSV College of Engineering and Technology, Krishnagiri.	07.09.2018
9	V.Prakesh	ECE/Third	Paper Presentation	Priyadharshini Engineering College, Vanniyambadi.	25.08.2018
10	P.Dinesh Kumar	ECE/Third	Paper Presentation	Priyadharshini Engineering College, Vanniyambadi.	25.08.2018
11	S.Sathish	ECE/Third	Paper Presentation	Priyadharshini Engineering College, Vanniyambadi.	25.08.2018
12	V.Prakesh	ECE/Third	Quiz	Priyadharshini Engineering College, Vanniyambadi.	25.08.2018
13	P.Dinesh Kumar	ECE/Third	Quiz	Priyadharshini Engineering College, Vanniyambadi.	25.08.2018
14	S.Sathish	ECE/Third	Quiz	Priyadharshini Engineering College, Vanniyambadi.	25.08.2018

IN-PLANT TRAINING

S.No.	STUDENT NAME	DEPT/YEAR	COMPANY NAME	PLACE	PERIOD	NO OF DAYS
1	S.Aswini	ECE/Third	BSNL	Hosur	11.06.2018 to 15.06.2018	5 Days
2	A.Sheik Zaidh	ECE/Third	Flappjack Systems Pvt. Ltd.	Hosur	01.06.2018 to 30.06.2018	30 Days
3	M.Harikrishnan	ECE/Third	Gayathri Technocrats	Hosur	11.06.2018 to 14.06.2018	4 Days
4	B.Baby Prasanna	ECE/Second	Hosur Technika Pvt. Ltd.	Hosur	26.11.2018 to 30.11.2018	5 Days
5	S.Roopasri	ECE/Second	Hosur Technika Pvt. Ltd.	Hosur	26.11.2018 to 30.11.2018	5 Days
6	C.Ashwini	ECE/Second	Hosur Technika Pvt. Ltd.	Hosur	26.11.2018 to 30.11.2018	5 Days
7	K.S.Ramya Lakshmi	ECE/Second	Hosur Technika Pvt. Ltd.	Hosur	26.11.2018 to 30.11.2018	5 Days
8	M.Archana	ECE/Second	Hosur Technika Pvt. Ltd.	Hosur	26.11.2018 to 30.11.2018	5 Days
9	V.Monika	ECE/Second	Hosur Technika Pvt. Ltd.	Hosur	26.11.2018 to 30.11.2018	5 Days
10	S.R.Amrisha	ECE/Second	Hosur Technika Pvt. Ltd.	Hosur	26.11.2018 to 30.11.2018	5 Days
11	K.Punithavalli	ECE/Second	Hosur Technika Pvt. Ltd.	Hosur	26.11.2018 to 30.11.2018	5 Days
12	AN.Alagumeenal	ECE/Second	Hosur Technika Pvt. Ltd.	Hosur	26.11.2018 to 30.11.2018	5 Days
13	P.Kirtan	ECE/Second	Hosur Technika Pvt. Ltd.	Hosur	26.11.2018 to 30.11.2018	5 Days

TRAINING AND PLACEMENT

ECE Department always believed in equipping students with the right talent and personally to face to the industry requirements.

Our focus on appropriate training through internal as well external resources, exploring / creating new approaches on placement to attract the best from the industry, have given outstanding results.

ECE department, the placement & training cell and selectively deployed personal function with the primary aim of placing students in top – notch companies.

The Department deployed team goes all out to train the students to meet the high industry expectations and attained a creditable record of placement of its final year ECE students.

Finally, a notable facts is, about 90% of eligible final year ECE students seeking placement are already placed with reputed organization even before their completing the course.

TRAINING PROGRAM

S.NO	PROGRAMME TITLE	RESOURCE PERSON	PARTICIPANTS
1	Placement Foundation Program	Dr.CyrilPrasanna Raj Dean R & D, M.S.Engineering College, Bangalore	II Year ECE Students
2	College to Corporate Training Program	Prof. VirendraSethi Prof. D Parthasarathy IIT Bombay	IV Year ECE Students
3	IIT Spoken Tutorial on C++, SCILAB & JAVA	Video Lecture From IIT Spoken Tutorials	II, III & IV ECE Students
4	Infosys Campus Connect	Mrs.Deepa, Mrs.Shalini	III Year ECE Students
5	Relax Training Program	Mr.Ragunath, Social Awareness Mentor, Chennai	II Year ECE

The following is the placement record of the Department of ECE for the past few years:

ACADEMIC YEAR	NO OF STUDENTS PLACED
2013 – 2014	80
2014 – 2015	85
2015 – 2016	90
2016 - 2017	104
2017 - 2018	85
2018 - 2019	40*

(* as on February 25th 2019)

PLACED STUDENTS (2019 Batch)

intelenet

ALIVELU.R	AMRITHA	GAYATHRI.M	GAYATHRI.S
HARITHA.V	ISHRATH.M.A	KAVYASHREE.M	MEGA.M
NEHA ANJUM	NIKITHA.R	NITHYASRI.G.V	NIVEDHITHA BAI.R
NIVETHA SHREE.S	PRIYANKA.L	RAGAVI.T	RAMYASHREE.B
SATHYA.S	SHAHINA.Y	SUBHASREE.P	SUJITHA.S

SUSMITHA.R

SWATHI.R

SWETHA.S

USHA.A

USHA.M

VIDHYA SHREE.S

YASHSHVINI.C

CHETHANA.S

ROJA.V

EUREKA FORBES

AVINASH S K

DINAKARAN.S

KISHORE.J

MOHAMMED SHAFIQ

PRADEEP.M

PRADEEP CHARLES.D

PRATHAP.M

SANAKKIYAN.K

SANTHOSH KUMAR.M

THEJESH.S

SARATH KUMAR V

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MBA | MCA

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Ph.D Computer Science & Engineering Management Studies

▶ POLYTECHNIC COLLEGE

Diploma CHEMICAL | CIVIL | CSE | ECE | EEE | MECH | MECH (T&D) | E-ROBOTICS

▶ INDUSTRIAL TRAINING INSTITUTE

▶ MATRICULATION SCHOOL

TNEA Counselling Code: 2621

Scientific and Industrial Research Organization (SIRO)

Women Technology Park (WTP)

e yantra IIT-B Robotics Lab Centre

MSME MICRO, SMALL & MEDIUM ENTERPRISES Business Incubation Centre

Innovation & Entrepreneurship Development Centre

iON TATA CONSULTANCY SERVICES TCS- Assessment Centre

PMKVY प्रधानमंत्री कौशल विकास योजना Pradhan Mantri Kaushal Vikas Yojana Skill Development Centre

IIT-B Spoken Tutorial Project

MISSION 10X Technology Learning Centre of WIPRO

campus CONNECT Infosys - Skill Enrichment Centre

NH-7, 17th Km, Hosur - Krishnagiri Highways, Koneripalli, HOSUR - 635 117.