



# **APOLLO ENGINEERING COLLEGE**

(Approved by AICTE, Govt. of India, New Delhi, Affiliated to Anna University)

Mevaloorukuppam, Chennai – 602105.

*DEPARTMENT OF ELECTRONICS AND COMMUNICATION ENGINEERING*

# **ELECTROCOMM'16-17**

## **ABOUT THE DEPARTMENT**

The Department of Electronics and Communication Engineering was established in the year 2007. The department comprises of well qualified and experienced faculty members. The department is well equipped with Electronics Lab, Integrated circuits lab, Embedded and Networks lab, Microprocessor lab, Communication lab and DSP/VLSI lab. The department consistently strives for the overall development of the students by way of guiding them in all endeavors through Value added Courses, Career Development Programs etc.,

## **NI LabVIEW ACADEMY**

The department is certified to be an official NI LabVIEW Academy School by National Instruments, Bangalore.



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## QUALITY POLICY

Apollo Engineering College is committed to achieve excellence in providing quality education to students in the field of Engineering, Technology and Management, through state of art infrastructure, highly skilled and qualified faculty with totally encouraging support systems & environment.

## SHORT TERM GOALS

- To achieve higher academic results
- Aim to get University Ranks
- To place more students in core companies
- To involve the students to do real time Projects in Companies / Industries

## LONG TERM GOALS

- To develop Centre of Excellence in the field of VLSI, Embedded Systems and Signal Processing.
- To setup Research and Development laboratory

## ACADEMIC PERFORMANCE

### UNIVERSITY RESULTS

YEAR / SEM	PERCENTAGE
2014-2015 EVEN	64.21
2015-2016 ODD	64.95
2015-2016 EVEN	80.47
2016-2017 ODD	82.38

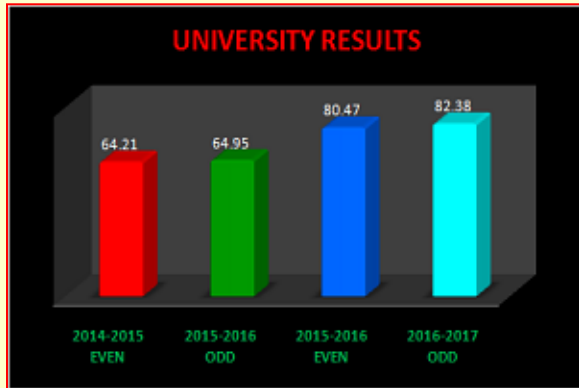


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## WORKSHOP ORGANIZED

### 1. Introduction to Matlab and Simulink for Beginners

Two days hands on training workshop on "Introduction to Matlab and Simulink for Beginners" has been conducted on 19.08.2016 and 20.08.2016 in association with Zora Technologies, Chennai.



### 2. Workshop on ARM Processor

Two days hands on training workshop on "ARM Processor" has been conducted in association with ENTHU TECHNOLOGIES, Coimbatore, on 19.09.2016 and 20.09.2016. The workshop covers the interfacing modules with the ARM Processor.





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## PONGAL CELEBRATIONS

Thamizhar Thirunaal celebration was held at Apollo Engineering College campus on 12.01.2017. The eventful day began with the eye-catching display of the rangolis marking the tradition of the Tamil culture. Students exhibited their creative talents by drawing the colourful rangolis. The students participating in various sports events including the "Uriyadi".





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## WOMENS DAY

International women's day celebration were conducted on 09.03.2017. Dr. Usha Vishwanath, MBBS, MD, Dip. in Hospital Administration , Professor and Senior Consultant, Department of Obstetrics and Gynecology, Sri Ramachandra Medical College, Chennai delivered the special address.

## ONAM CELEBRATIONS

Thiruvonam, is a traditional Hindu harvest festival celebrated in our campus.







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## FORUM INAUGURATION

Department Forum was inaugurated on 29/7/16 by **Mr.V.UdaySankar , Regional Lead of Nascomm, Chennai**. The department toppers were given certificate of merit and the Student Secretaries and Joint Secretaries were nominated for the academic year 2016-17.

## FIRST YEAR INAUGURATION

The Inaugural function of the BE program for the 2016-17 batch was held on 04.08.2016 at Sakuntallammal Auditorium, AEC campus. **Dr.R.Jayavel, Director (Research), Anna University** delivered the inaugural address.



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Engineering 2K16" between 13.10.2016 to 22.10.2016. "AEC proudly takes a hand, opens a mind, and touches a heart by emphasizing the higher-order thinking skills and providing hands-on learning activities to outperform the school students significantly". ECE department demonstrates the working of basic electronic components, Communication Equipments; Electronic experiments used day to day life etc.



### SOCIAL RESPONSIBILITIES

### XPLORE ENGINEERING 2K16

Apollo Engineering College organized a workshop for pre-college students titled "Xplore







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## TREE PLANTATION PROGRAMME

Tree Plantation programme organized in the premises of Apollo Group of institutions on 05.08.2016. The Programme was inaugurated by Mr.Ganesh, Regional Manager, Mahindra Housing Ltd., Chennai.



## NSS

ECE NSS volunteers spent quality time with hearing impaired children on 22.01.2016, organizing

*Electrocomm'16-17 News Letter*





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various games and activities to engage children in a fun filled environment.



## GUEST LECTURE

A day long guest lecture was organized for final year students of on 15.10.2016.

**Mr.IssacPatturaja, Manager - HR, Sanmina - SCI India Pvt Ltd** delivered the lecture on Industry Expectations from Fresh Engineering Graduates for the students.



## RAKSHA BANDHAN

Raksha bandhan celebration was organized on 18.08.2016 in view of strengthening the bond of love and fostering brotherhood. The celebration was followed with the good enthusiasm among the students and staff as well.



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## BONFIRE NIGHT

Bonfire Night is celebrated on 20.08.2016, as this is where our final year students spend their Cultural Night out with friends. The students had a blazing bonfire night with Cultural programmes which would ever cherish their memories.







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## INTERNSHIP / INPLANT

### TRAINING

#### BSNL

The following students have undergone internship training on Telecom held at RGM TTC from 20.6.2016 – 24.6.2016.

Almoda. L	Amalda. S
Amutharanjith .J	Anushya. V
Asha.N	Avinash.R
Banupriya.R	Bharanidharan .R
Geetha .S	Jayaseelan .K
Kamaleeshwari .S	Kumaresan .G
Matcy .D	Nandhinee .S
Nivedha .C	Pavithra .S
Priya .N	Pryanka .C
Ramya .J	Reshma .P
Sangeetha .T	Saraswathi .M
Vaishali .R	Soundarajan .S
Salmankhan .R	

The following students have undergone Inplant Training on Telecom held at RGM TTC from 20.6.2016 – 24.6.2016.

Anushya.R	Chandru.P
Gayathri. G	PavithraPooja .K
Gajayalakshmi.A	Priscilla .A
Gowthami.D	Priti Saai. K
Sangamithra.R	Sanjay Tiwari.R
Sathish Kumar.V	Sivakumar. L
Sridevi. M	Suganya. V
Swarnalatha.S	Vinodhini. R

### UNIQ TECHNOLOGIES

Ms.A.Savitha and Ms.R.Priyadharshini of third year students have undergone Inplant Training on Android Applications at UNIQ Technologies, Chennai from 30.07.2016 -31.07.2016.

### HCL

Ms.A.Saveetha has completed her inplant training in Real Time concepts of software and Networking Domain in HCL career development Centre, Chennai from 27.06.2016 to 29.06.2016.



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## WAVEGUIDE TECHNOLOGIES

The Following students of Final year ECE have undergone internship training in “WAVEGUIDE TECHNOLOGIES“, Chennai. They designed their own antenna in the same premises.

Ajith .M	Arasu .K.V
Bharanidharan .R	Anusuya .R
Banupriya .R	S.Geetha
Durga .R	Muralikrishnan S
Vignesh S	Vineeth B
Pavithra D	Preethi V
Nevitha R	Nivedha C
Subhashini R	Monica V
Mohanapriya M	VijayadharshiniK

## SANMINA – SCI INDA PVT LTD

The Following students of Final year ECE have undergone internship training in “SANMINA - SCI INDIA PVT LTD “, Chennai from 17.03.2017 to 31.03.2017.

L.Almoda	S.Kamaleeshwari
G.Kumaresan	V.Prabhakaran
M.Saraswathi	C.Priyanka
S.Pavithra	R.Banupriya
V.Anushuya	N.Asha

## TOUR

The second and third year students were going to tour to Cochin, Kerala from 21.09.2016 to 23.09.2016.







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“ Automated Smart Trolley using RF ID based LiFi Technology “ in the International Conference on Contemporary engineering & technology held on 24 & 25<sup>th</sup> March 2017 at Madha Engineering College, Chennai.



Ms.C.Priyanka, Ms.T.Sangeetha Ms.S.Pavithra, Ms.M.Saraswathi, Ms.B.Ramya and Ms.T.Ragavi have participated the workshop on “ Raspberry Pi” at Spiro Solutions Pvt Ltd , Chennai on 18.09.2016.



Ms.T.Ragavi has participated the workshop on “Internet of Things” at Spiro Solutions PvtLtd , Chennai on 25.09.2016.

## CONFERENCES / SYMPOSIUM / WORKSHOP ATTENDED

Ms.JayashreeAnnal and Ms.Hari Chandana Voora of third year ECE presented their paper titled

Ms.C.Priyanka, Ms.T.Sangeetha , Ms.S.Pavithra , Ms.M.Saraswathi, Ms.B.Ramya and Ms.T.Ragavi have participated in the symposium ELECTRUZE'16 at Sree Sastha



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Institute of Engineering and Technology, Chennai on 24.09.2016.

Ms.T.Sangeetha, Ms.S.Pavithra, and Ms.B.Ramya have participated in ADZAP event and won II<sup>nd</sup> Prize in ELECTRUZE'16 at Sree Sastha Institute of Engineering and Technology, Chennai on 24.09.2016.

Mr.R.Avinash, M.P.Chandru and Mr.G.Kumaresan have participated in Microprocessor Debugging event in AAVISHKAR'16 at Prathyusha Engineering College on 03.09.2016.

Mr.R.Avinash and Mr.G.Kumaresan have participated in Mind Hack event and won I<sup>st</sup> prize in AAVISHKAR'16 at Prathyusha Engineering College on 03.09.2016.



## FAREWELL DAY

Farewell day celebrations for the final year students held on 21.03.2017.







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## NAKSHATRA

AEC Nakshatra is the most happening event, cherished by all Apollites every year, exclusively only for Apollites. All the participants charmed the audience with their skillful performances. The event happened on 25/3/17 with a filmy touch given by Actor Vimal. The students also witnessed an exotic bike stunt show for the evening entertainment. The show concluded on a high note, as all Apollites danced at the DJ music and colorfully ended with firework show.





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## SPORTS DAY

The Annual sports Meet of Apollo Engineering College was organized on 24th March 2017. Prof.Dr.S.Selladurai,Ph.D., Addl. registrar & Chairman-Anna University Sports board was the chief guest who inaugurated the sports meet.



To grace the occasion we also had Mr.V.Balakrishnan,IPS, Deputy Commisioner of Police, Mylapore as a guest of honor, who extended his warm greetings to the students & he shared his thoughts on the momentous occasion.



Dr.K.Jayanth Murali, IPS, Addl.Director General of Police, State





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Traffic Planning cell, was the chief guest for the valedictory function, with his presence he honored the occasion. He insisted the importance of wearing helmet & the safety precautions to be maintained while driving.





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## PUBLICATIONS

Faculty Name	Title of the paper	Journal Name
Janakiraman.V	Analysis of Timing and Frequency Offset Estimation of OFDM system using Scaled Precision Model	Indian Journal of Science and Technology
Nirmal.V	A Microstrip multiband MIMO antenna with high isolation	International Journal for Research and Development in Technology
Dharsana.P	Highly Randomized Digital Water marking for Image and Video	International Journal for Research In Applied Science and Engineering Technology(IJRASET)
Latha.G	Design of Bandpasses filter for Multiband Applications.	International Journal for Research In Applied Science and Engineering Technology(IJRASET)
Sowmiya.G	Character recognition and speech synthesis system using Lab VIEW	International Journal of Science and Research .(IJSR)
Kishore Kumar.V	FPGA implementation of Telecardiac system	International Journal for Research and Development in Technology
Balavigneswari.M	Highly Reconfigurable Prefix Computation adder for MAC Unit	International Journal for Research and Development in Technology
Swathi.R	High Speed Reconfigurable Accelerator for Word Matching Stage of BLAST IN.	International Journal for Research In Applied Science and Engineering Technology(IJRASET)
Jayamohan. M	Compact microstrip narrowband antenna for upper IoT application	International research Journal of Engineering and Technology
Ramadevi.G	Carrier interferometric code based variable rate transmission schemes for satellite communication system	International Journal for Research In Applied Science and Engineering Technology(IJRASET)





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## **PLACEMENT DETAILS**

### **SUTHERLAND**



**S.PAVITHRA**



**S.PAVITHRA POOJA**



**V.MONICA**



**B.VINEETH**



**B.RAMYA**



**S.NIREESH**



**S.KAMALESHWARI**



**L.ALMODA**



**R.BHARANIDHARAN**



**D.JEBIN JENALD**



**D.MATCY**



**R.BUNISHA**



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**R.KAVITHA**



**G.GAYATHRI**

**AVASOFT TECHNOLOGIES**



**L.ALMODA**



**R.BHARANIDHARAN**



**S.GEETHA**

**TECH MAHINDRA**



**V.ANUSHUYA**



**R.SANJAY TIWARI**



**S.MURALI KRISHNAN**



**T.RAGHAVI**





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**K.VIJAYADHARSHINI**

**SURYA INFORMATICS**



**S.KAMALEESHWARI R.KAVITHA R.SANGAMITHRA**

**AVALON TECHNOLOGIES**



**D.RAJA KUMARAN B.RAJ KUMAR R.RAGHUVARAN V.PRABAKARAN**



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## **HINDUJA GLOBAL SERVICES**



**S.PAVITHRA S.KAMALEESHWARI S.PAVITHRA POOJA D.MATCY**



**S.MURALI KRISHNAN R.BUNISHA T.SANGEETHA S.NANDHINEE**



**R.VAISHALI A.MOHAMMED ASIF A.ARTHISWARI R.ANUSUYA**