

CAMPUS

Department of **ECE**

CHRONICLES

PEACE

PERI ASSOCIATION OF COMMUNICATION ENGINEERS



www.periit.com

Term : Newsletter | Volume1 Issue | Date : 1 July 2017

- Message from patrons
- Department Vision, Mission & PEO
- Events Organized by the Department
- Student's Achievements



Presented By

PERI
INSTITUTE OF TECHNOLOGY

ABOUT THE ASSOCIATION

PERI Association of Communications Engineers (PEACE) is an association formed in PERI Institute of Technology for the benefit of students in Department of Electronics and Communications Engineering. The main aim of the association is to improve both the technical and non-technical skills of the students so that they will come out in flying colours and excel in their field of engineering.



Mr. Saravanan Periasamy
 CHAIRMAN

I am proud to have students from Electronics And Communication engineering department to come up with such a good collection of information. I would like to encourage them to continue their good work.

Mr. Sasikumar Veerarajan
 COO

I congratulate all the students who have put their effort in bringing forth this newsletter of their department and also I like to congratulate all the faculty members and the HOD for motivating their students towards this fulfilment.



Dr. R. Palson Kennedy
 PRINCIPAL

I'm very happy to know that ECE department is bringing this newsletter in a much enthusiastic manner. The dedication shown by faculty members towards developing knowledge as well as inculcating the right attitude and skills in the students for a skilled education relevant to industry need is appreciable. The activities of PERI Association of ECE in the campus also ensure that the PERI'ians are dynamic and well trained in public and other event management skills. It is very nice to know that the students of ECE department have come up with a Non Profitable Organization called 'Elytra', which depicts the Entrepreneurial attitude of the young minds. I profoundly feel that all the students are competent enough in their field to be placed in leading companies and be successful in their future endeavours. My sincere wishes to all the Staff members & Students of ECE Department who worked towards bringing out this newsletter.

PREFACE

Welcome to the annual news letter “**Campus Chronicles**”. We have chosen this newsletter as an appropriate way to communicate the perpetual achievements of our Department. We wish to encourage and promote the rich professional community that is built to nurture our brand ‘PERI’ by providing opportunities to one and all in their respective areas of interest. We still strive together to strengthen our efforts and improve our activities in both curricular and co-curricular areas that would enrich the goals of the Department and ultimately bring added value to our students. It’s our privilege to get Connected with Parents, Alumni and Peers so that we are all updated with latest informations.

“Success comes with effective communication”

*Dr. P. R. Jasmine Jeni, Professor,
Head of the Department*

Department Vision, Mission & Program Educational Objectives

VISION

To Produce Electronics and Communication Engineers with dynamic Personalities adaptable to ever increasing demands of emerging technologies involving analytical skills.

MISSION

To educate and prepare the students as engineers and citizens who can contribute to the society and progress of the nation through creation, integration, application and transfer of Engineering Knowledge.

Program Educational Objectives (PEO)

PEO 1:

Graduates will possess fundamental prerequisites in mathematical, scientific and engineering fields required to solve technical problems.

PEO 2:

Graduates will possess proficiency in hardware languages and use of latest software tools so as to comprehend, analyze, design and create novel solutions for the real life problems.

PEO 3:

Graduates will involve in professional and ethical environment, to build effective communication skills, multidisciplinary and teamwork skills and to relate engineering issues to broader social context.

PEO 4:

Graduates will have the knowledge to adapt to the changing industrial needs and to become an entrepreneur to lead a successful professional career in lifelong learning.

Events Organized in (2016-17) Academic Year

Events

1. Industrial Visit
2. Educational Tour
3. Technical Conference
4. Technical Seminar
5. Personality Development Program

Student's Achievements

1. Academic
2. Placement
3. Projects
4. Extra & Co Curricular Activities
5. Internship



Industrial Visit



III Year ECE 'A' & 'B' students visited BSNL, Maraimalai Nagar on 30th, 31st Jan 2016 & 2nd Feb 2016.

During the educational trip, the students gained practical knowledge on the latest Telecommunication Technology.

Employability Enhancement Training Program (EETP) at BSNL

- ✓ This Program was conducted by AICTE in collaboration with Rajiv Gandhi Memorial Telecom Training Centre (RGM TTC). BSNL facilitates engineering graduates with latest and state of the art telecom technologies thereby enhancing competency and employment skills.
- ✓ Twenty students of ECE Department attended this program and got benefited.

Educational Tour

The final year students went for an educational tour to Kodaikanal, Munnar and Cochin from 14th Sep 2016 to 18th Sep 2016 and also visited the industries like "Rectifiers & Electronics" in Pallakkad. Students gained knowledge in design and development of electronics control system, and consumer application products and microcontroller based controller and voice IC's.

EDU Tour PERI



Technical Conference PERISE'16

PERISE 2016, an one-day national conference on Pure Emphatic Research in Science & Engineering was jointly organized by all the Engineering departments of PERI Institute of Technology. The program was conducted on 7.4.2016 at the Conference Hall. Dr. T.V. Gopal, Professor in the Dept. of Computer Science and Engineering, College of Engineering, Guindy, Anna University, Chennai inaugurated the Conference and delivered the inaugural address. The Principal of PERI IT Dr.R.Palson Kennedy welcomed the gathering and presented the keynote address. The participants were Teachers, Research Scholars and students from various Universities and colleges. Among the papers received around 80 papers were shortlisted and permitted to present in the conference. The Proceedings of the conference was released by our distinguished Chief Guest.

Dr. S.Venugopal, an outstanding Scientist from IGCAR, Kalpakkam was the Chief Guest for the Valedictory function. He delivered the valedictory address and distributed the certificates to the participants. The organizers of the conference were honored by the Chief Guest and Principal for their tireless efforts in conducting the conference successfully.

One Day National Conference on “Pure Emphatic Research Innovations in Science and Engineering “**PERISE'16**” was conducted on 7th April 2016. The Chief Guest Dr. T.V Gopal addressing the students and sharing his technical experience.



Technical Seminar



- ✓ The students of IV year ECE A & B attended the technical seminar on “Android Applications.”

- ✓ During this session, the students interacted with the technical convenor and gained knowledge on Android Applications.

- ✓ As an impact of this seminar, two final year students completed a project on ATM Security Alert System and Home Automation integrated with mobile applications using android.



One day Technical seminar on “Android Applications” was conducted on 20th August 2016. The resource person Mr. M. Sathish, Manager, App and Technologies Pvt Ltd, Chennai delivered the technical presentation on latest trends in Mobile Applications and the future of App Technology.

Personality Development Program



- ✓ Mr. R. Pandurangan, Head - Quality & Business Assurance, Steria (India) Limited addressed the seminar.
- ✓ All students of the II, III and final year attended the seminar and got benefitted.
- ✓ During question hour, soft skill related events were conducted to enhance the personality skills of the individual participant.
- ✓ The final year students interacted with II, III year students to share their experience and knowledge gained from the previous year personality development program conducted by Mr. Ramprasad, HR Department of HCL, Chennai.

Personality Development program conducted for II, III and final year ECE students by Mr.R.Pandurangan Head - Quality & Business Assurance, Steria (India) Limited on 27th September 2016.

Student Achievements

Academic

ECE DEPARTMENT TOPPERS - ANNA UNIVERSITY NOV'16 EXAMINATION



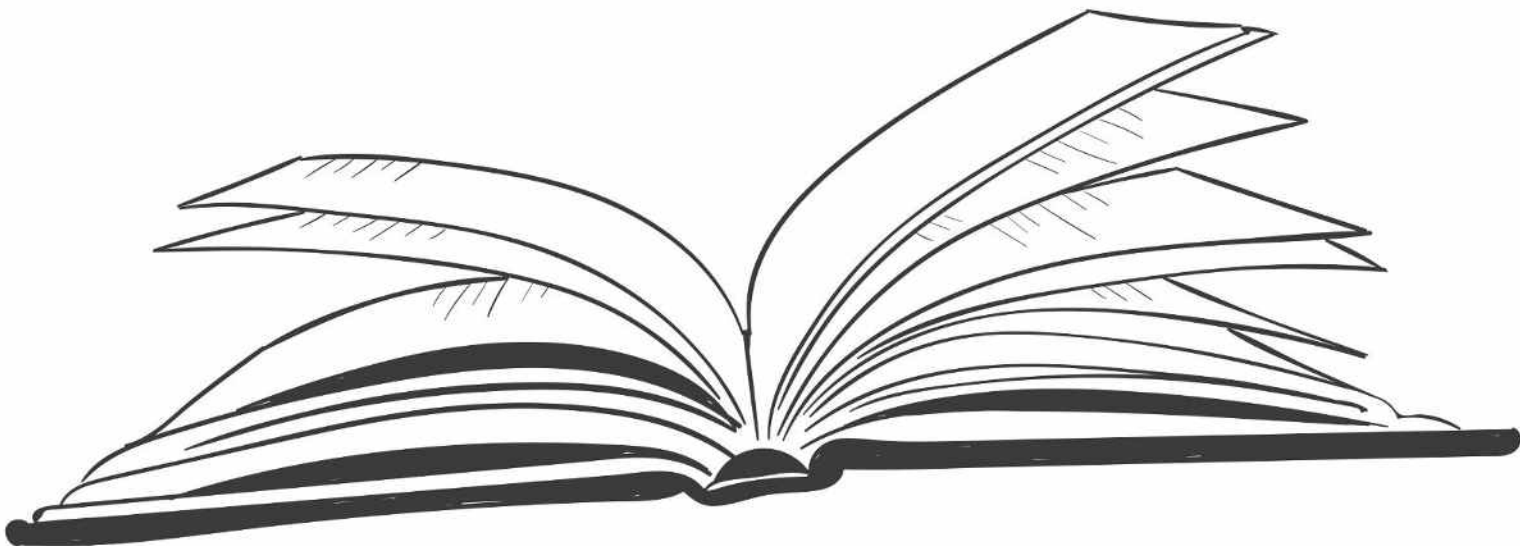
Nandhini. S
IV ECE
8.9 CGPA



Deepa. P
III ECE
8.8 CGPA



Naganandhini.G
II ECE
8.5 CGPA



PLACEMENT

PLACEMENT STATUS – CURRENT FINAL YEAR



Pavithra.P.R



Priya.S



Priyanka.D



Priyavardhini.S



Ramprasad.V



Sandhiya.A.P



Rishap Raj



Sanjana.J



Savitha Shree.B.S



Shakila.G



Sherine Emma



Shine Angel.R



Sindhuja.B



Usha Nandhini.S



Yadav Sathya rajangam



Antony Xavier



Anu.B



Aswini.P



Evangelin Ebenezer.A



Gopinath.G



Harinee.N



Harini Lakshmi.P



Heman Kumar.S.M.D



Hemavathi.P



Jacquelin.R



Joyce Rebecca.V



Karthik Vikram



Kevin Raj Kumar



Nandhini.S

INTERNSHIP AT SANMINA

SCI India Pvt. Ltd is an electronics design and engineering services providing company in Oragadam, Kanchipuram. The final year students of the ECE Department attended an internship program for 14 days and shared their experience about their internship as follows. "During the Internship, we have worked with different kinds of engineering solutions by designing Printed Circuit Boards for various applications. We were taught on the technologies involved in assembling components in a PCB and methods of inspections adopted to maintain quality products. During the course of our internship, we were divided into various groups and each group worked for different product development team for companies like Philips, KONE Elevators, Bull, G.E. Health Care etc. We had hands-on experience in understanding the electronic components and the updated technologies involved in designing printed circuit boards. This internship was overall very useful to us, as we learned and attained practical knowledge about the electronics manufacturing industry."



SANMINA®

By
Pavithra. P.R
 Final Year

Project Expo

As part of the UG level Robotics and Automation program, four students S. Srinath, G. Rishi, K. Tamilselvan & P. Venkatesh Prasad of III year ECE along with their staff member Mr. T. Janarthan developed a moving Robot. The Robot was constructed in such a way that it responds to Human commands. The entire electronics of the Robot is powered by a 24VDC battery source and was connected to a mobile phone via Bluetooth connectivity which was wireless communication from Aurdino Uno Board. As a motive of encouraging the students with innovative projects, the management provided a Cash Reward of Rs 25,000/- to support the students to bring up their dream project in a better way."



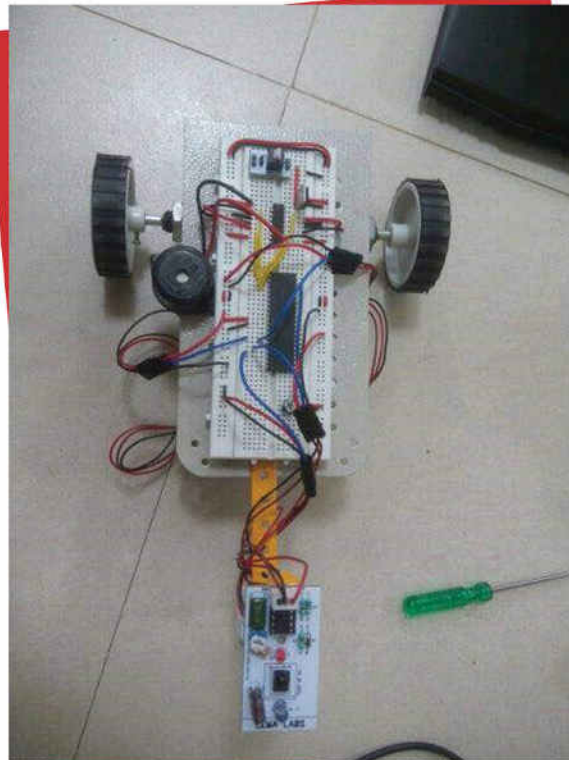
"The Robot"



Students interacting with the Robot



Student involved in the construction of Robot



The Base frame of the Robot

I feel that Engineering is a diverse field in academics which requires theoretical knowledge and also equal emphasis on practical applications. Myself along with my friends and with the support of our Staff members developed a line follower Robot. It consists of IR sensors, microcontroller, motor driver and DC geared Motor to control the movements of the Robot. This circuit is powered by a 24 VDC rechargeable battery. The microcontroller is programmed using Embedded C programming language.

Surya
III ECE A

Technical Papers Presented by Students

S No.	Name of the Student	Class /Dept	Name of the Event	Title	Venue	Date	Status
1	V. Struthi Narayani	III A/ECE	Paper Presentation	" Wizard Chess"	Adhiparasakthi Engineering College, Melmaruvathur	18.02.2017	1st Prize
2	W. Shakila T. Uma Maheshwari	III A/ECE	Paper Presentation	" Heady Cam"	Adhiparasakthi Engineering College, Melmaruvathur	18.02.2017	2nd Prize
3	W. Shakila E. Sowndharya S. Ramya	III A/ECE	Paper Presentation	" Heady Cam"	Crescent Engineering College, Vandalur	25.02.2017	Presented
4	T. Uma Maheshwari	III A/ECE	Paper Presentation	"Wizard Chess"	Sastha college of engineering, Chennai	20.02.2017	Presented
5	Sankaranarayan. K	III B/ECE	Paper Presentation	"Autolanding Quadcopter LIFI Technology:"	Tagore Engineering College, Chennai	25.02.2017	Participated
6	Senthamizh Vendhan. R	III B/ECE	Paper Presentation	"Autolanding Quadcopter LIFI Technology:"	DMI College of Engineering, Chennai	25.02.2017	Participated
7	S.M.D.Hemankumar D.X. Kevin Raj Kumar A. Antony Xavier	IV A/ECE	National Conference	"Facile way to access Traffic signal by Deploying Active RFID"	SRM university, Chennai	02.03.2017	Presented

Events Participated by Students

S No.	Name of the Student	Class /Dept	Name of the Event	Title	Venue/Name of the Journal/Conference	Date	Status
1	Nikhil Raj Chauhan	III B/ECE	Inplant Training	-	DRDO CVRDE, Avadi, Chennai	05.12.2016 to 09.12.2016	Participated
2	Nikhil Raj Chauhan	III B/ECE	Inplant Training	-	BSNL, Meenambakkam, Chennai	09.10.2016 to 16.10.2016	Participated
3	Nikhil Raj Chauhan	III B/ECE	Symposium	LAVAZA	Vel Tech University, Chennai	17.03.2016 to 18.03.2016	2nd Prize (cash award Rs. 2000)
4	Juttiga Aravinda Balu	III B/ECE	Workshop	In the title of "Autocod"	SRKR Engineering College, Chennai	03.01.2017 to 05.05.2017	Participated
5	Juttiga Aravinda Balu	III B/ECE	Workshop	In the title of "Ethical Hocking"	Indian Institute of Technology, Guindy, Chennai	04.03.2016 to 05.03.2016	Participated

Students Participated in Inter College Sports & Culturals

S No.	Name of the Student	Class /Dept	Name of the Event	Venue	Date	Status
1	Nikhil Raj Chauhan	III B/ECE	Shooting	Tamilnadu shooting champion ship (state level)	19.08.2016 to 26.08.2016	2 Silver medals
2	Nikhil Raj Chauhan	III B/ECE	Shooting	All India Shooting Nationals, Pune, Maharashtra	19.12.2016 to 26.12.2016	Participated
3	Nikhil Raj Chauhan	III B/ECE	Shooting	All India Shooting Pre-Nationals, Mumbai, Maharashtra	09.11.2016 to 15.11.2016	Participated
4	Manigandan. G	I-B/ECE	Basketball (Anna University Zonal Meet)	Ramanujan Engineering College, Chennai	15.01.2017	Participated
5	Nikhil Raj Chauhan	III B/ECE	Shooting	Pre National South Zone, Madurai, Tamilnadu	22.10.2016 to 29.10.2016	1 Silver medals
6	Manigandan G	I-B/ECE	Basketball (State Level Tournament)	Dhanalakshmi College of Engineering, Chennai	08.03.2017	Runners
7	Sowmya Anandr	III-A/ECE	Solo Singing	VIT, Chennai	17.03.2017	First Prize
8	Juttiga Aravinda Balu	III B/ECE	Badminton	College Level	26.03.2017	Participated



W. Shakila, E. Sowndharya and S. Ramya of III year ECE responding to questions during the paper Presentation.



IV ECE students organized shipwreck event for other college participants.



Nikhil Raj Chauhan of III year ECE Participated in Anna University Gun Shooting Competition and won prizes.



Sowmya Anand of III year ECE performing Solo Singing in VIT Chennai.

SOCIAL ACTIVITIES

Our final & third year ECE students involved in social activities to help uplift the morale of under privileged kids by organizing events to encourage and motivate them, by taking them to places which every kid would love to go, by conducting free medical camps to enhance their health etc.”



Elytra Inauguration and Events

PARTICIPATING IN COLLEGE SPORTS & CULTURAL

Our department students have shown an active participation in various events held in and around colleges at Chennai. Among the participants, few of them got prizes in cultural and academic events which are mentioned in the student's participation section. In sports, Mr. Nikhil Raj Chauhan of III year ECE student has participated twice in All India Shooting held in Mumbai, Maharashtra.



OUR DEPARTMENT
STUDENTS ACTIVELY
PARTICIPATED IN THE
SPORTS DAY EVENTS AND
CULTURAL EVENTS
Editorial Team

FACULTY

Dr.P.R.Jasmine Jeni M.E,Ph.D
Head of the Department,ECE

Mr.K.Kannadasan, M.E., Assistant Professor, ECE
Mr.S.Sebastin Suresh, M.E., Assistant Professor, ECE

STUDENTS

Rishi Gopalan,III Year ECE
Soumya Anand III Year ECE
Venkatesh Prasad III Year ECE