

PO 2 : Identify, formulate and solve complex engineering problems

PO 3 : Apply functions and principles of various courses such as communication systems, linear integrated circuits and VLSI design circuits to design electronic circuits and systems using software and hardware

PO 4 : Examine, analyze and evaluate software/hardware system or component or process and decide if it meets the requirements of end users

PO 5 : Understand the need and acquire skills to use modern engineering tools that are necessary to become successful software and hardware professionals

PO 6 : Understand and analyze the impact of solutions in the local and global societal context including health, safety and legal issues

PO 7 : Understand the importance of environment to develop skills and knowledge for sustainable development

PO 8 : Realize and understand professional, ethical and cultural responsibilities

PO 9 : Work as a team player and strive for self-excellence

PO 10: Communicate effectively with an elite audience

PO 11: Understand the various principles of management and apply the same in their day to day aspects

PO 12: Engage in life-long learning towards enduring professional development

Program Specific Outcomes (PSOs):

The Electronics and Communication Engineering Graduates should be able to

- Demonstrate principles of electronics, digital systems, microprocessors and signal processing in the field of consumer electronics, medical electronics, defense and space craft electronics industry.
- Design a variety of electronics and computer-based components and systems for applications including signal processing, communications, computer networks, and control systems.
- Identify indigenous materials and methods for producing high quality, compact, energy efficient, eco-friendly entertainment and consumer goods at affordable price.



R.M.K COLLEGE OF ENGINEERING & TECHNOLOGY
R.S.M NAGAR, PUDUVOYAL



DEPARTMENT OF ELECTRONICS AND COMMUNICATION ENGINEERING

JAN-JUNE 2015

NATIONAL CONFERENCE:

- The Department Conducted the **Fourth National Conference** on **“Recent Advancements in Signal Processing and Communication (NCRASPC - 2015)”** on 09.03.2015. It was inaugurated by the Chief guest **Shri. Ramaswamy S.**, Chairman, IETE, Chennai Chapter & Former Chief Engineer of All India Radio, Doordarshan (South Zone).

Engineer of All India Radio ,
Doordarshan (South Zone).



- **IET Sponsored One Day Workshop on “How to implement Solar Energy”** on 03.01.2015. It was inaugurated by the Chief guest **Dr.PRABAHARAN S.R.S.**, School of Electronics Engineering (SENSE), VIT University, Chennai .



- **Intra “Department Mini Project Contest”** on 21.02.2015.

OTHER ACTIVITIES:

The Department conducted:

- **IET Sponsored One Day Workshop on “XPLORE ROBOTICS”** by EPR Labs on 09.03.2015. It was inaugurated by the Chief guest **Shri. Ramaswamy S.**, Chairman, IETE, Chennai Chapter & Former Chief



- **Anna University approved 7 days FDTP on “Electronic Circuits-I (EC6304)”** from 30.05.2015 to 06.06.2015. It was inaugurated by the Chief guest **Mr.Santhanakrishnan J.**, Former Dy.General Manager, Enterprise Business, BSNL & Chief Consultant, Knet Solutions, Chennai.



4. II Year ECE D Section students visited DDK, Chennai, on 22.01.2015.
5. III Year ECE A,B & C Section students visited SHAR, Sriharikotta, on 22.01.2015.
6. II Year ECE A,B,C& D Section students visited Tamil Nadu Science and Technology Centre, Chennai, on 20.02.2015.



GUEST LECTURES:

Guest Lectures were delivered by:

- **Ms.Nancy Blessie S.**, Engineer, Renault Nissan Technologies Ltd. (Alumni), on **“Future Scope of Electronics in industries”** for II Year , on 24.01.2015.



INDUSTRIAL VISITS:

1. II Year ECE A Section students visited DDK, Chennai, on 19.01.2015.
2. II Year ECE B Section students visited DDK, Chennai, on 20.01.2015.
3. II Year ECE C Section students visited DDK, Chennai, on 21.01.2015.



- **Ms.Vaishnavi J.P.**, Inautix Technologies India Pvt. Ltd. (Alumni) on **“Placement tips”** for III Year , on 07.02.2015.

- **Mr.Rajamanickam M.E.**, Managing Director, Shri Gemini kits and Spaare Pvt. Ltd., on **“Analog ICs and its Applications”** for II Year , on 07.02.2015.



- **Dr. Mohammed Yacin**, HOD/ Bio Medical Engineering, Rajalakshmi Engineering, College, on **“ Medical Electronics”** for III Year , on 21.02.2015.



- **Dr.Klutto Milleth J.**,Chief Technologist, CEWiT, IIT Madras, Research Park, on **“Antennas and Wave Propagation”** for III Year, on 14.03.2015.

INPLANT TRAINING:



- **Deva Pavan K. M.**, of IV year underwent inplant training at Satish Dhawan Space Center (SDSC),SHAR,Sriharikotta, from 12.01.2015 to 18.01.2015.



- **Sowmiyaa .S and Lakshmi .G**, of III year underwent inplant training at Amara Raja Batteries Ltd Corporate Operations Office,Chennai, from 12.01.2015 to 14.01.2015.
- **Kundhavaram Dimple, Golla Madhavi, Yaram Sai Harshini and Goalla Tripurasundari** of IV year underwent inplant training at Amara Raja Batteries Ltd Corporate Operations Office, Chennai ,from 15.01.2015 to 17.01.2015.
- **Dhivya Lakshmi V. G., Dhanalakshmi J., Pasirla Siva, Dummala Siva Kalyan, Murthigari Nagendrasai, Poonjali Pradeep Kumar, Marni Manikanta Swamy and Naveen Kumar V. G**, of IV year underwent inplant training at BSNL ,Chennai , from 22.05.2015 to 27.05.2015.
- **Pavithra K and Jayashree M.**, of III year underwent inplant training at Kaashiv Infotech, Chennai, from 22.05.2015 to 26.05.2015.
- **Soniya Priya B., Nishanth R.,Gopala Krishnan S., Divya S., Rajesh P., and Aathira T. I.**, of III year underwent inplant training at HCL Career Development Centre, Chennai, from 25.05.2015 to 27.05.2015.
- **Sivarama Krishnan R., Vishal B., Yogesh D., Vignesh N., Thiru Kumaran R and Raagul S.**, of IV year underwent inplant training at Doordarshan Kendra, Chennai, from 25.05.2015 to 29.05.2015.
- **Usha Nandhini C.**, of III year underwent inplant training at Pro Rajiv Gandhi Memorial Telecom Training Centre, Chennai ,from 25.05.2015 to 30.05.2015

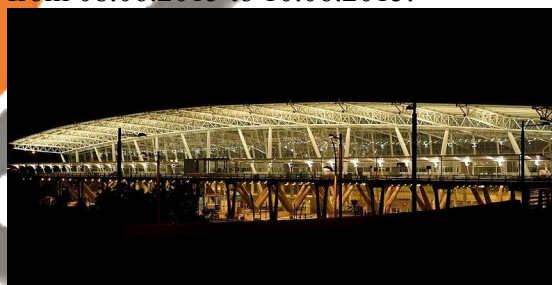


- [Indumathi K.](#), of III year underwent inplant training at Neyveli Lignite, Chennai, from 27.05.2015 to 03.06.2015.
- [Pavithra S.](#), of III year underwent inplant training at Peerless Technologies, Chennai, from 27.05.2015 to 07.06.2015.
- [Kumaresan V.](#), of IV year underwent inplant training at Airport Authority of India ,Chennai, from 01.06.2015 to 03.06.2015.
- [Gopala Krishnan S.](#), of III year underwent inplant training at BSNL, Tambaram from 01.06.2015 to 05.06.2015.
- [Kamalesh P.](#), [Balavinayagam B.](#), [Arjuna Menon P.](#), [Kishore Kumar T.](#), [Nishanth R.](#), [Hari Govind R.](#), [Balaji V](#) and [Kalaiselvam S.](#), of III year underwent Inplant Training at BSNL, from 01 to 05.06.2015.



- [Janani U.](#),[Lavanya S.](#),[Diksha R.](#),[Baby Meena P.](#),[Sowmiyaa S.](#),[Sushma K .M.](#),[Agalyadevi K.](#), and [Lakshmi G.](#), of IV year underwent inplant Training at BHEL (Bharat Heavy Electrical Limited), Ranipet,from 01.06.2015 to 06.06.2015.
- [Manisha A.](#), [Muthu Lakshmi S](#) and [Lakshmi E.](#), of IV year underwent inplant training at PEERLESS Technologies ,Chennai, from 01.06.2015 to 07.06.2015.

- [Ata.Venkataramaiah](#) of IV year underwent inplant training at BSNL, VRC Center, Chennai ,01.06.2015 to 15.06.2015.
- [Swathi P.](#), [Sridevi S](#) and [Singaravelan N.](#), of III year underwent inplant training at Kaashiv Infotech ,Chennai, from 06.06.2015 to 10.06.2015.
- [Arjuna Menon P.](#), of III year underwent inplant training at HCL Career Development Centre, Chennai, from 08.06.2015 to 10.06.2015.
- [Hari Govind V.](#),[Balaji S.](#), [Harish J. G.](#), [Avinash V](#) [Swetha A.](#),[Thangam V.](#),[Usha Nandhini C.](#),[Swetha Dharanai.](#),[Seenirathi V.](#),[Prasanna Kumar A.](#),[Anandhi S.](#), of III year underwent inplant training at HCL Career Development Centre, Chennai, from 08.06.2015 to 10.06.2015.



- [Ganesh R.](#), [Hariharan G. P .S.](#), [Hariharan G. T.](#), [Karthik M .S.](#), [Kiran Sai V. K.](#), [Kumaresan V.](#), [Shilavanth E.](#), [Sundeep M. K. S.](#), and [Yogesh V.](#), of III year underwent Inplant Training at Chennai Airport, Chennai, from 08.09.2015 to 12.06.2015.
- [Rajesh P.](#), [Nishanth R.](#), [Reesha R.](#), [Nishia Jenisha S.](#), [Nivetha C.](#), [Ramya B.](#), [Vaishnavi A. R.](#), [Premalatha M.](#), [Lipika T.](#), [Nivedha M.](#), and [Rupesh John J.](#), of III year underwent Inplant Training at All India Radio, from 08.06.2015 to 12.06.2015.
- [Radhika R.](#), of III year underwent inplant Training at All India Radio, Chennai, from 08.06.2015 to 12.06.2015.
- [Abinaya P.](#), [Lakshmi.E.](#), [Raveena Reddy D.](#), [Manisha A.](#), [Priyadarshini K.](#), [Quietline Liana A.](#), and [Priyanka](#)

D., of IV year underwent Inplant Training at Doordarshan Kendra, from 08.06.2015 to 12.06.2015.



- Sidharth T., of II year underwent inplant training at BSNL, Chennai, from 08.06.2015 to 12.06.2015.
- Maheswari S., Hinduja A and Keerthana S., of IV year underwent inplant training at Vi-Microsystem,Ltd., Chennai, from 08.06.2015 to 12.06.2015.
- Gopala Krishnan S., of III year underwent inplant training at Chennai Port Trust, Chennai, from 09.06.2015 to 13.06.2015.



- Ethish Manickam M .R., Girish Y.,Karthik D.,Sivarama Krishnan R and Maruthi Vignesh M., of IV year underwent inplant training at Southern Railway, Chennai, from 09.06.2015 to 15.06.2015.
- Sangeetha K., Maheswari S.,Pavithra P.,Quietline Liana A.,Priyadarshini K.,Sruthy K .C and Saranya H., of IV year underwent inplant training at Integral Coach Factory, Chennai ,from 09.06.2015 to 16.06.2015.
- Rayapaneni Prasanthi and Routhu Sri Lakshmi Pravallika., of III year underwent inplant training at HCL Career Development Centre ,Chennai ,from11.06.2015 to 13.06.2015.
- Wasim Akram, Santhosh Kumar S and Hariharan G.P.S .,of IV year underwent inplant training at Unique Technologies ,Chennai, from 12.06.2015 to 13.06.2015.

- Meenakshi R., of Iii year underwent inplant training at Codebind Technologies, Chennai, from12.06.2015 to 16.06.2015.
- Sruthy Janani V., Vinoth Kumar.M., Abhishek Raj A., Anto Gladwin K., Vinodh Kumar M., Venkatachalam M. S., Srinithi Sridharan., of III year underwent Inplant Training at Codebind Technologies, from Codebind Technologies 14.06.2015 to 18.06.2015.
- Logeswari M., Indumathi K., Hemalatha U., Jacklin Marietta B., Hema Pavithra S., Gayathri S., Hemalatha D., Kavya G., Keerthana R., Maruthi Vignesh , Avinash S., of IV year underwent Inplant Training at Unique Technologies15.06.2015 to 16.06.2015.
- Sukanya S and Vidhya Sri U., of II year underwent inplant training at Unique Technologies, Chennai, from 15.06.2015 to 16.06.2015.



BSNL

STUDENT ACTIVITIES:



LOOK AHEAD-LOOK SOUTH

AWARDS/HONOURS

RECEIVED BY STUDENTS:

- Padmanaabhan N.C., of IV year has received "Sir C.V Raman Research Award" from the Professional Society(IET) on 22.03.2015.



- Padmanaabhan N.C., of IV year has received "Dr. Rajendra Prasad

Leadership Award from the Professional Society(IET) on 22.03.2015.



- **Manoj Kumar V.R.**, of IV year has received **“The Golden Salute Award”** from the Professional Society(IET) on 22.03.2015.



- **Mohideen Abdhul Lathif K.**, of IV year has received **“Mother Teresa Award”** from the Professional Society(IET) on 22.03.2015.



- **Karthik D.**, of III year has received **“Michael Faraday Academic Performance Award”** from the

Professional Society(IET) on 22.03.2015.

- **Kumaresan V.**, of III year has received **“Er. K.B. Subramaniam Regularity Award”** from the Professional Society(IET) on 22.03.2015.



JOURNAL:

1. **Manoj Kumar.V.R.**, **“Effects of Scaling Factor for Non-Blind Watermarking of Colour Images in DWT-SVD Domain”** International Journal of Applied Engineering Research (IJAER) ,Volume 10,Issue 31,March 2015.
2. **Manoj Kumar.V.R. R.Pravesh Anand, U.Manoranjan and K.Mohideen Abdhul Lathif**, **“Non-Blind Watermarking of Colour Images in DWT-SVD Domain & Robustness to Various Attacks”**, International Journal of Advanced Information Science and Technology, Volume 35,Issue 35, March 2015.
3. **Arunprakash T.V. and Avinash S.**, **“Design a U-slotted Microstrip Antenna for Indoor and Outdoor Wireless LAN”** Australian Journal of Basic and Applied Sciences, ISSN:1991-8178,Volume 9,Issue 15,Page:148-154,April 2015.



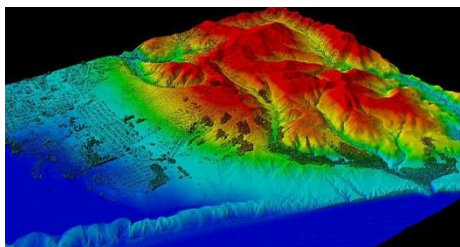
4. **Aju John, Balasubramaniam P.S, Dodavarapu J.P.R. Nischal and Krishna Kumar .R, “Remote Frequency Monitoring System”,** International Journal of Advanced Research in Electronics and Communication Engineering, Volume.4.Issue.4., pp.1057.-1063, April-2015.
5. **Indhumathi K.S, Niveditha P., DeepikaK.G., and Jeevitha R., “Analysis and Simulation of Low power and Area Efficient Integer DCT architecture”** International Journal of Applied Engineering Research (IJAER), Volume 10, Issue 2, pp.31221-31224, June 2015.

CONFERENCE :



1. **Arunprakash T.V., Avinash S.,** of III Year Presented paper on **“Design a U-Slotted Microstrip Antenna for Indoor and outdoor wireless LAN”** in International Conference and won **Best Paper Award, at** Kalaignar Karunanidhi Institute of Technology, Coimbatore, on 06.03.2015 & 07.03.2015.

2. **Padmanaabhan N.C.,** of IV Year Presented paper on **“Automation of process control using PLC programming and SCADA(HMI)”** in National Conference and won **Best Paper award** ,at Sri Krishna College of Engg.& Technology, on 20.03.2015 & 21.03.2015.
3. **Padmanaabhan N.C., Manoj kumar R., Pravesh Anand R., Manoranjan U. and Mohideen Abdhul Lathif K.,** of IV Year Presented paper on **“Non-Blind watermarking of colour images in DWT-SVD domain and robustness to various attacks”** in International Conference and selected for ANNEXURE-II, at Sethu Institute of Technology, Kariapatti, on 26.03.2015.
4. **Manoj Kumar V.R. ,** of IV Year Presented paper **“Semi-Blind Watermarking of Colour Images in DWT- SVD Domain & Robustness to Various Attacks”** in 2nd International conference VLSI Computation, Networking, Drives and System Design at Sethu Institute of Technology, Kariapatti, on 26.03 2015.
5. **Manoj Kumar V.R. ,** of IV Year Presented paper on **“Hi-tech Trends in Emerging Computational Technologies”** in 3rd International Conference (ICECT 2015) at Sethu Institute of Technology, Kariapatti, from 08 to 09.04.2015.
6. **Shruthi K., Yazhini D.,** of IV Year Presented paper on **“Automatic aircraft recognition using satellite remote sensing images”** in National Conference on Technological Advancement in Networking and Communication at R.M.D engineering college on 09.04.2015.



STUDENTS ACTIVITY (ACADEMIC- In Symposium- Laurels Won) :

7. **Manoj Kumar V.R.**, of IV Year Presented paper on **“Non-Blind Watermarking of Colour Images in DWT- SVD Domain & Robustness to Various Attacks”** in 2nd International Conference on Trends in Technology for Convergence - TITCON'15, at **AVS Engineering College, Salem**, on 10.04.2015 and 11.04.2015.

STUDENT ACTIVITY (SPORTS):



1. **Madhusoodhanan M.**, of IV year Participated in 11TH All India Open Karate Championship 2015 and **won FIRST** Place in the Black belt ,individual kata in above 18 years, held at J.J Indoor Stadium Kilpauk Garden,Chennai,on 07.02.2015& 08.02.2015 .
2. **Madhusoodhanan M.**, of IV year Participated in 11TH All India Open Karate Championship 2015 and **won SECOND** Place in the Black belt ,individual Kumite in 61-65KG weight, held at J.J Indoor Stadium Kilpauk Garden,Chennai,on 07.02.2015& 08.02.2015.
1. **Gopalakrishnan S.**, of II year participated in the Event, Recruitment Room (**won II PRIZE**),in the National Level Symposium, at B.S.Abdur Rahman University, on 28.01.2015.
2. **Hariharan G.P.S., Hariharan G.T., Gokul M.S. and Kumaresan V.**, of III Year Participated in the Event Project Display and **won IV PRIZE**, at Easwari Engg.College, Chennai, on 18.02.2015.
3. **Kumaresan V. and Kiran Sai V.K.**, of III Year Participated in the Event Line Follower and **won III PRIZE**,held at Easwari Engg.College, Chennai,on 18.02.2015.
4. **Girish Y.,Sivaramakrishnan R.,Karthik D., Dheeraj KrishnaA. and Janish Subhash Pandian P.**, of III Year Participated in the Science Project Exhibition and **won I PRIZE** , at Dept. of S&H RMKCET, on 02.03.2015.
5. **Sivaramakrishnan R., Girish Y. and Karthik D.**, of III Year Participated in the Event Project Presentation E-Summit and **won II PRIZE** , at MIT,Chennai,on14.03.2015 & 15.03.2015.
6. **Girish Y., Sivaramakrishnan R., Janish Subhash Pandian P. and Karthik D.**, of III Year Participated in the Event Project Mania-Robotic drone with ARM

and **won II PRIZE**, at Velammal Institute of Technology, on 21.03.2015.



STUDENTS ACTIVITY (ACADEMIC-Participation)

1. **Reshma G.S., Srinidhi.S., Vishal B and Thirukumar R.**, of II year ECE attended Workshop on **“PCB Design”**, by Shastra 2015 at IIT Madras on 03.01.2015.
2. **Gopalakrishnan S and Balaji S.**, of II year ECE attended IET Sponsored one day Workshop on **“How to Implement Solar Energy”**, at RMK College of Engineering and Technology on 03.01.2015.
3. **Radhika R.**, of II year ECE attended Training on **“Corporate Training Test”** based on Placement Aptitude Questions and attended Workshop on **“ANDROID”** at Code Bind Technologies, Chennai on 04.01.2015.
4. **Reesha R and Nisha Jenisha S.**, of II year ECE attended Workshop on **“Ezsystems Kurukshetra 2015”**, at College of Engineering, Guindy from 28.01.2015 to 31.01.2015.



5. **Srinidhi S and Sruthijanani V.**, of II year ECE attended Two day workshop on **“RAM Cortex M4 Series Microcontroller”**, by Starcom information Technology Ltd. And Texas Instruments at Velammal Engineering College on 05.02.2015 & 06.02.2015

6. **Balavinayagam B.T., Haraharan T and Karthikeyan M.**, of II year ECE attended Workshop on **“Android”** and **“4G TO 5G wireless”**, at MIT on 06.02.2015 & 07.02.2015.
7. **Prasanna Kumar A.**, of II year ECE attended Workshop on **“Waston Public API by IBM”**, at Anna University Guindy on 07.02.2015.
8. **Sophia S., Vicithra A and Swetha Dharani A.**, of II year ECE attended Workshop on **“Object tracking Robot Using Image Processing”**, at MIT, Chennai on 20.02.2015 & 21.02.2015.



9. **Divya R., Gothai R and Anu M.S.**, of II year ECE attended Workshop on **“Embedded Processor in FPGA and Switched Capacitor”** at SRM University, Chennai on 26.02.2015.
10. **Vinitha K.G., Sirisha B., of III year and Dhivya S.**, of II year ECE attended Workshop on **“Ethical Hacking”**, at MIT, Chennai on 27.2.2015 & 28.2.2015.



11. **Jayapriyaa K.M and Lekshmi E.**, of III year ECE participated in Seminar on **“Recent Trends in Photonics”**, at M.S Ramaiah University of Applied Sciences, Bangalore on 27.02.2015 & 28.02.2015.
12. **Deeraj Krishna A.**, of III year ECE attended Workshop on **“Industrial Automation with PLC and SCADA”**, at Anna University Chennai from 01.03.2015 to 04.03.2015.
13. **Sivaramakrishnan R., Raagul S., Muthulakshmi S., Vishal B., Sriram K., of III year ECE and Gopalakrishnan S., Radhika R., Priyanka J., Priyadharshini K.**

Saranya H., of III year ECE attended Workshop on **“Design and Analysis of Antennas using ANSYS HFSS”**, at Saveetha University on 03.03.2015 & 04.03.2015.

14. **Kavya G.**, of III Year ECE participated in workshop on **“System Prototyping Arduino”**, at VIT Chennai on 05.03.2015 & 03.2015.

15. **Karthik D, Thirukumar R., Vignesh N and Raagul S.**, of III year ECE attended Workshop on **“Python”** at MIT Chennai on 06.03.2015.

16. **Nandhini K.S.**, of III Year ECE attended Workshop on **“Android”**, at MIT Chennai on 07.03.2015.

17. **Maheshwari S.**, of III Year ECE participated in **“Eminent record making achievement ROBOHACK’15-inn VSPARK”** at Kaashiv Info Tech on 08.03.2015.

18. **Gopalakrishnan S., Vaishnavi AR., Kalaiselvan S., Balaji S., Arjuna Menon P., Nishanth N .,** of II year ECE and Kavya G of III year ECE participated in IET Sponsored Workshop on **“Xplore Robotics”** at RMK College of engineering and Technology on 09.03.2015.

19. **Arjuna Menon P.**, of II year ECE participated in Workshop on **“Network Security”** at SRM University at MIT Chennai on 14.03.2015

20. **Gopalakrishnan S., Arjuna Menon P and Balaji S.**, of II year ECE attended Workshop on **“Hands on Training on NS3 Simulator”** at MIT Chennai on 15.03.2015.

21. **Kishore kumar T.R., Lokesh D., Anto Gladwin K and Abhishek Raj A.**, of II year ECE participated in workshop on **“Android controlled Robotics”**, at SRM University, Chennai on 19.03.2015 & 20.03.2015.



22. **Gopalakrishnan S.**, of II year ECE participated in **“Course- Professional email writing”**, at Twenty19, Chennai, on 04.04.2015.

23. **Gopalakrishnan S.**, of II year ECE attended Workshop on **“Android App Development”** at Uniq Technologies on 20.05.2015.

24. **Pavithra K and Jayashree M .,** of III year ECE attended Workshop on **“Ethical hacking”** at Microsoft Research Community on 26.05.2015

25. **Reshma G.S.**, of III Year ECE attended 6Days Training on **“Java Programming”** at MIT-Chennai from 03.06.2015 to 08.06.2015.

26. **Janani U.**, of II year ECE attended Workshop on **“Android App Development”** at Uniq Technologies on 06.06.2015.

27. **Gowtham.P, Gokul Raj V.**, of II year ECE attended workshop on **“Internet of things with Arduino”** at Altsense, Chennai on 06.06.2015 & 07.06.2015.

28. **Abhishek Raj A and Anto Gladwin K.**, of III Year ECE attended Workshop on “Android”, participated in **“Arduino IDE project competition”, Border detection Using Arduino IDE and Corporate training test”**, at Code bind Technologies from 08.06.2015 to 12.06.2015.





29. **Swathi.P., Sridevi.S and Singaravelan N.,** of III Year ECE attended Workshop on **“Ethical Hacking”** at Microsoft Research Community on 10.06.2015.
30. **Eunice Daphne J.,** of III Year ECE attended 3 days workshop on **“Big data Tools”** at MIT Campus Anna Univ-Chennai from 11.06.2015 to 13.06.2015
31. **Santhosh Kumar.S, Wasim Akram.,** of IV year ECE attended Workshop on **“Android App Development”** at Uniq Technologies on 13.06.2015.
32. **Venkatachalam M.S and Vinodh Kumar M.,** of III Year ECE attended One day workshop on **“Android at Code Bind Technologies”** on 14.06.2015.
33. **Venkatachalam M.S and Vinodh Kumar M.,** of III Year ECE participated in **“Corporate training test”** conducted by Code Bind Technologies ,on 14.06.2015.
34. **Jacklin Maretta B., Hemalatha D., Kavya G and Hema pavithra S.,** of IV year ECE attended Workshop on **“Android App Development”** at Uniq Technologies on 16.06.2015.



STAFF ACTIVITIES:

Patent

- **Dr. Padmavathy T.V.,** Published a Patent titled **“Design and Development of Cross Slotted Circular Microstrip Patch Antenna Strain Sensor for Wireless Structural Health Monitoring”**, under International classification H01Q , on 06.03. 2015.

AWARDS/HONOURS RECEIVED BY STAFF:

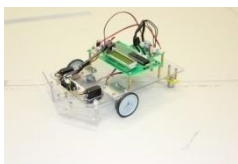
- **Dr.C.Arun** has received **“Young Faculty Award”** from Venus International Foundation, Centre for Advanced Research and Design, VIFFA 2015,Chennai, in the month of June 2015.



ATTENDED SEMINAR,WORKSHOP & FDP:

1. All Faculties attended IET Sponsored one day Workshop on **“How to Implement Solar Energy”**, at RMKCET, on 03.01.2015.
2. **Mr. Babu M., Asst Prof,** attended a Workshop on **“PCB Design”** by Shaastra 2015, at IIT Madras, on 03.01.2015.
3. **Mr.Vijayanandh R., Asst Prof, and Mr. Kannan K., Asst Prof,** attended a BRNS (DAE) Sponsored One day National Seminar on **“Innovative Techniques to Control Nuclear Hazards in Various Fields”**at RMKCET, on 23.02.2015. All Faculties attended Workshop on

“XPLORE ROBOTICS”, at
RMKCET, on 09.03.2015.



4. **Ms.Poovizhi S., Asst Prof, Ms.Aarthi. K. J. Veronica, Asst Prof**, attended Workshop on **“Brain SENSE”** at VIT University ,Chennai, on 28.03.2015.



5. **Ms.Vijayakumari D., Asst Prof, Ms.Seshavidhya S., Asso. Prof, Ms.Dhivya K., Asst Prof, and Ms.Kannagi V., Asso. Prof**, attended a Workshop on **“Recent Trends in RF System Design”** at Velammal Engineering College on 30.03.2015 & 31.03.2015.
6. **Mr.Arulananth T.S., Asst Prof**, attended a Hands on training program on **“TMS320C6745 Digital Signal Processor”** at Pondicherry Engineering College ,on 27.04.2015 & 28.04.2015.



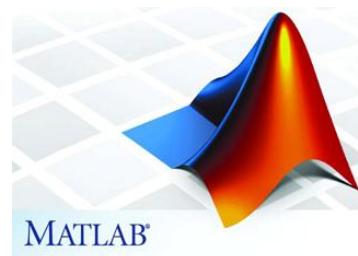
7. **Dr.Gangatharan N., Prof & Head, Dr.Arun C., Prof, Dr.Padmavathy T.V., Prof**,

Ms.Chitra A. Asst Prof, and Ms.P.Sivalakshmi P., Asst Prof, attended a AICTE sponsored Two week FDP on **“Opportunities and Challenges in World Class Manufacturing”** , at MECH. Dept. RMKCET, from 22.04.2015 to 06.05.2015.

8. All Faculties attended Anna university approved 7 days FDTP on **“Electronic Circuits- I (EC6304)”**,at RMKCET, from 30.05.2015 to 06.06.2015.

9. **Mr.Muthumanickam S., Asso. Prof, Mr.Ramachandran R., Asst Prof, and Ms.Vijayakumari D., Asst Prof**, attended UKIERI sponsored two days workshop on **“Next Generation RF and Wireless Technologies for Rural India”**, at Indian Institution of Information Technology, Kancheepuram, on 04.06.2015 & 05.06.2015.

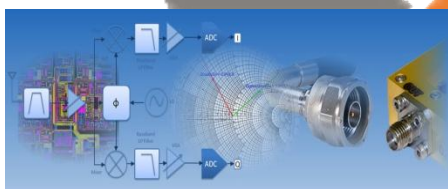
10. **Ms.Dhivya K., Asst Prof**, attended ISTE approved STTP on **“MATLAB Applications in Science and Engineering (MASE'15)”**, at Annamalai University, from 08.06.2015 to 12.06.2015.



11. **Mrs.Praveena N.G, Asso Prof, Ms.Nimitha N., Asst Prof, Ms. Indhumathy T., Asst Prof**,

Mr.Arulananth T.S., Asst Prof, and ,Mr.Sathish Kumar G., Asst Prof, attended Anna university approved 7 days FDTP on **“Signals and Systems (EC6303)”** at Vellammal Institute of Technology, from 11.06.2015 to 18.06.2015.

12. **Mr.Ramachndran .R, Asst Prof, and Ms.Vijayakumari.D ,Asst Prof,** attended Anna University approved 7 days FDTP on **“RF and Microwave Engineering (EC2302)”** at Rajalakshmi Engineering College, from 08.06.2015 to 15.06.2015.



13. **Mr. Kannan K., Asst Prof,** attended Anna university approved 7 days FDTP on **“Signals and Systems (EC6303)”** at Rajalakshmi Engineering College, from 08.06.2015 to 15.06.2015.

14. All Faculties attended Two days Refresher Course on **“Academic Excellence”** at RMKCET, on 15.06.2015 & 16.06.2015.

PUBLICATIONS:

CONFERENCE PROCEEDINGS:

1. **Gangatharan N., “An Efficient Reduction Complexity Approach for Multicarrier OFDM Systems”**, Second International Conference on Contemporary Challenges in Engineering and Management (ICCCEM-2K15), at

ARM College of Engineering and Technology, Chennai, from 10.04.2015 to 12.04.2015 (Paper ID ARMECE25).

2. **Arun C., “To Manage Traffic in P2P Live Streaming using Adaptive Routing Scheduling over Video-On Demand Service”**, International Conference on Electrical, Electronics And Computer Engineering - ICEECE '15, at Vivekanandha College of Engineering for Women, Tiruchengode, on 11.03.2015 and 12.03.2015.
3. **Arun C., “Super Peer Selection Algorithm for Peer-to-Peer Live Streaming Networks using Gossip Protocol and Firefly Algorithm”**, International Conference on Science Technology Engineering and Management (ICONSTEM 2015), at Jeppiaar Engineering College”, Chennai. on 26.03.2015 & 27.03.2015.



4. **Arun C., “Scrupulous Variable Chunking (SVC) De-Duplication for Space Optimization in Private Cloud Storage Backup”** International Conference on Engineering Technology and Science (ICETS'15), at Muthayammal College of Engineering, Rasipuram, 05.03.2015 & 06.03.2015.

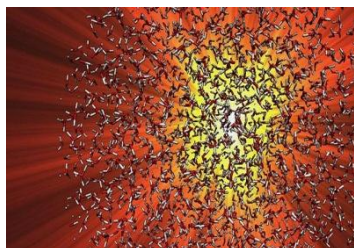
5. **Arun C., “A study of Tuberculosis, Computed Tomography imaging segmentation and automatic screening of Tuberculosis”**

International Conference on Engineering Technology and Science (ICETS'15), at Muthayammal College of Engineering, Rasipuram, on 05.03.2015 & 06.03.2015.



6. **Padmavathy T.V., “Design a U-slotted Microstrip Antenna for Indoor and Outdoor Wireless LAN”**, International Conference on Information, Computation and Communications (ICIC² – 2015), **got Best paper award** at Kalaignar Karunanidhi Institute of Technology, Coimbatore, India, on 06.03.2015 & 07.03.2015.

7. **Vijayakumari D. and Divya K., “High Efficient General Purpose Fast Motion Estimation Processors”**, 6th National Conference on Internet of Things, at R.M.D Engineering College, on 09.03 2015.



8. **Vijayakumari D., Divya K. and Sandhiya G., “Terahertz Technology- A Race between Photons and Electrons”**,

International Conference on Recent Trends in Engineering Science and Management, at Jawaharlal University, on 15.03. 2015.

9. **Praveena N.G., Sreelatha T. and Indhumathy T., “Early detection of skin cancer using thermal images with hough transformation”**, Second International Conference on Sensing, Signal Processing and Security, at St.Peter’s College of Engineering, from 06.05.2015 to 08.05.2015.

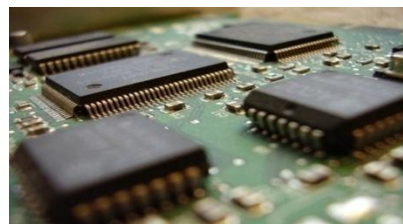
10. **Poovizhi .S, “Automatic Aircraft Recognition Using Satellite Remote Sensing Images”**, National Conference on Technological Advancement in Networking and Communication, at R.M.D Engineering College, on 09.04 2015.



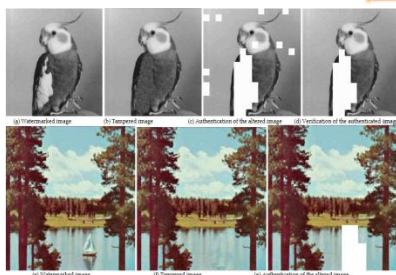
11. **Manikandan A., “Automation of Conveyor System and Process Control with Power Reduction using PLC programming and SCADA(HMI)”** and **won Best Paper award** National Conference at Sri Krishna College of Engineering & Technology, Coimbatore, on 20.03.2015 & 21.03.2015.

12. **Muthumanickam S., Arun C., “Non-Blind Watermarking of Colour Images in DWT- SVD Domain & Robustness to Various Attacks”**, 3rdInternational

Conference on Hi-tech trends in emerging computational technologies (ICECT 2015) at Sethu Institute of Technology, Kariapatti, on 08.04.2015 & 09.04.2015.



13. **Muthumanickam S., Arun C.,** “**Non-Blind Watermarking of Colour Images in DWT- SVD Domain & Robustness to Various Attacks**”, 2nd International Conference on Trends in Technology for Convergence - TITCON'15, at AVS Engineering College, Salem, 10.04.2015 & 11.04.2015.



14. **Muthumanickam S., Arun C.,** “**Semi-Blind Watermarking of Colour Images in DWT- SVD Domain & Robustness to Various Attacks**”, 2nd International Conference on VLSI Computation, Networking, Drives and System Design, at Sethu Institute of Technology, Kariapatti, on 26.03.2015.

2. **Manikandan A.,** “**Automation of Conveyor System and Process Control with Power Reduction Using Efficient PLC Programming and SCADA**”, IJRSET, Volume 4, Issue 1, Jan 2015.

3. **Arun C.,** “**BANG of LER and RDF in CMOS Devices**”, ARPN Journal of Engineering and Applied Sciences, Vol. 10, No. 4, March 2015, ISSN 1819-6608.

4. **Vijayakumari D., Divya K. and Sandhiya G.,** “**Terahertz technology- a race between photons and electrons**”, International Journal of Advance Technology in Engineering and Science, Volume 03, Issue S.I (01), March 2015. ISSN 2348-7550.

JOURNAL PUBLICATIONS:

1. **Manikandan A.,** “**Adaptive Modulation and coding for Cross layer design- A Case study**”, International Journal of Applied Engineering Research (IJAER), pp. 20255-20265, Jan 2015.



5. **Aarthi K.J Veronica, Nimitha N. and Iyswariya A.,** “**Design of PI Controller using First Order Plus Time Delay Model for**

Process Control”, International Journal of Advanced Research in Electronics and Communication Engineering (IJARECE), Volume 4, Issue 3, March 2015.

6. **Muthumanickam S., Arun C.**, “**Effects of Scaling Factor for Non-Blind Watermarking of Colour Images in DWT-SVD Domain**” International Journal of Applied Engineering Research (IJAER) , Volume 10, Issue 31, March 2015.

7. **Arun C., Muthumanickam S.**, “**Non-Blind Watermarking of Colour Images in DWT-SVD Domain & Robustness to Various Attacks**”, International Journal of Advanced Information Science and Technology, Volume 35, Issue 35, March 2015.

8. **Padmavathy T.V.**, “**Design a U-slotted Microstrip Antenna for Indoor and Outdoor Wireless LAN**” Australian Journal of Basic and Applied Sciences, ISSN:1991-8178, Volume 9, Issue 15, Page:148-154, April 2015.



9. **Sandhiya G.**, “**Hardware Implementation of 2D - DWT for Video Compression using Bit Parallel Architecture**”, International Journal of Science, Engineering and Technology ,Research , Volume 4, Issue 4, April-2015., pp.1211.-.1215.



10. **Nimitha N.**, “**Implementation of Real time Health monitoring system using ZIGBEE for military soldiers**”, International Journal for Research in applied science and Engineering Technology(IJRASET), Volume 3 , Issue 4, April 2015.

11. **Vijayakumari D. and Dhivya K.**, “**Wavelet packet tree based image transmission over MIMO Channel**”, International Journal for Scientific Research and Development, Volume 3, Issue 2, April 2015. ISSN: 2321 0613.



12. **Vijayakumari D. and Dhivya D.,** “**UWB and reconfigurable antennas for cognitive radio application using MEMS technology**”, International Journal for Scientific Research and Development, Volume 3, Issue 2, April 2015. ISSN: 2321 0613.



13. **Ramachandaran R.,** “**Efficient scheduling and interference alignment for hyper MIMO – OFDM in real time WI-MAX systems**”, International Journal for Scientific Research and Development, Volume 3, Issue 2, April 2015.

14. **Praveena N.G. , Sreelatha T.,** “**Throughput Optimization Using Cross Layer in wireless sensor network**” , International Journal for Science and Advance Research in Technology, Volume 1 Issue 4 April 2015 ISSN : 2395-1052.

15. **Kavitha R.,** “**Remote Frequency Monitoring System**”, International Journal of Advanced Research in Electronics and Communication

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2015,pp.1057.-.1063.



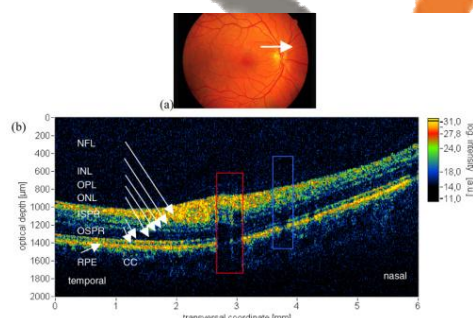
16. **Babu M and Kannan K.,** “**Real Time ECG Monitoring System: A Novel Architecture of Squaring Circuit For Spectral Estimation**”, International Journal of Emerging Technology and Innovative Engineering Volume I, Issue 5, May 2015 (ISSN: 2394 – 6598).



17. **Arulananth T.S. and Dr.Gangatharan N.,** “**GSM Optimization of Coverage Area Using Agilant Tool**”, International Journal of Advanced Research in Electrical, Electronics and Instrumentation Engineering, Volume 4, Issue 5, May 2015.

18. **Praveena N.G.**, “**Analysis of the Effect of Equalization in MIMO OFDM System**”, International Journal for Science and Advance Research in Technology, Volume 1 ,Issue 2, May 2015.

19. **Gangatharan N.**, “**Optimal Hyper Analytic Wavelet Transform for Glaucoma Detection in Fundal Retinal Images**”, Journal of Electronic Engineering and Technology, Volume 10, Issue 4, page 1899-1909, June 2015.

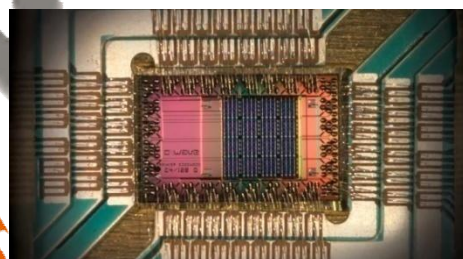


20. **Gangatharan N.**, “**A Hybrid Swarm Algorithm for optimizing glaucoma diagnosis**” Journal of Computers in Biology and Medicine, 63(2015)196–207, June 2015.

21. **Muthumanickam S and Arun C.**, “**A Novel semi blind watermark Extraction Algorithm**”, International Journal for Research in Applied Science and Engineering Technology(IJRASET), Volume 3, Issue 6, June 2015.

22. **Sangeethalakshmi K.**, “**Analysis and Simulation of Low power and Area Efficient Integer DCT architecture**” International Journal of Applied Engineering Research (IJAER), Volume 10, Issue 2, pp.31221-31224, June 2015.

23. **Arun C.**, “**A Study on 2 D and 3D Channel Models for Multiple Input Multiple Output Systems’, Future Generation Computer Systems**”, International Journal of Grid Computing and e-Science, Vol.72, ISSN: 0167-739X, Elsevier (Singapore) Ltd.(Annexure I, Sl. No. 3067-Accepted).



24. **Arun C.**, “**Performance Evaluation of Bio-Inspired Optimization Algorithms in Resolving Chromosomal Occlusions**”, Journal of Medical Imaging and health Informatics. ISSN: 2156-7018 (Print): EISSN: 2156-7026 (Online) (Accepted for publication) IF (Thompson Reuters ISI): 0.642 (Annexure 1).



“You have BRAINS in your HEAD.
You have FEET in your SHOES.
You can STEER yourself any
DIRECTION you CHOOSE.”
-Dr.Seuss



Technology won't replace teachers...



...but teachers who use technology will probably replace teachers who don't.

“It is the supreme art of the teacher to awaken the joy in creative expression & knowledge.”

~ALBERT EINSTEIN



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