

SAEC Digest

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2014 - 2015

A Newsletter from the SYED AMMAL ENGINEERING COLLEGE



Correspondent's Message

I am immensely happy and privileged to release the SAEC digest with the blessing from the Almighty. I consider providing students with the excellent education the kindles innovation which creates and stimulate ethical value thereby enabling student fraternity to excel in the global arena. We focus on excellent infrastructure and faculty for imparting highest quality education and emphasize on including the right values through harmony with the latest demands, aspiration and expectations of society. I personally believe in unleashing the potential of students by providing them a platform to confront with challenges every time. This newsletter also gives an opportunity to faculty and students to spotlight their insights, ideas and innovations to show how this can be applied in a almost any organizations. I express my best wishes to all the students, teaching and non-teaching staff members for their commendable work in our institution.

**Rtn. Dr. Chinnadurai Abdullah M.B.B.S., M.D.,
Correspondent**



Principal's Message

It is with great pride and tremendous sense of honour that I put forth the SAEC digest with the grace of God. Under the guidance of our Correspondent who have rich experience, vast knowledge and a marvelous attitude, we are confident of fulfilling our aspirations. I advice my students to work in teams whether for seminars, projects, assignments, exam preparation, events or lab practicals to achieve good results. I also urge my team of faculty to be united and work for the single cause. The main of this Newsletter SAEC digest is not only to inform you about the activities and accomplishments of the college but also bring all the members of the college together. I wish everyone my hearty congrats in releasing our SAEC digest successfully.

**Dr. P. Marimuthu, B.E., M.E., PhD., FIE., MISTE.,
Principal**

**SYED AMMAL ENGINEERING COLLEGE
RAMANATHAPURAM**

FOUNDER



Dr.E.M.ABDULLAH



ANNA UNIVERSITY RANK HOLDERS - 2014 -2015



A. Hamidha Shinas
ECE (9.04 CGPA)
University 22nd Rank



M. Hemalatha
CSE (8.75 CGPA)
University 33rd Rank



M. Kanmani
CSE (8.72 CGPA)
University 36th Rank



S. Rajasekaran
Civil Engg. (8.61CGPA)
University 45th Rank



G. Divya
IT (8.51CGPA)
University 49th Rank



J. Anuradha
M.E PED (8.85 CGPA)
University 13th Rank



**D. Indira
Priyadharshini**
M.E CSE(8.91 CGPA)
University 16th Rank



R. Kalyana Sundaram
M.E MFE (8.63 CGPA)
University 20th Rank



K. N. Narmadha Devi
M.E VLSI (8.69 CGPA)
University 27th Rank



K. M. Uma Maheswari
M.E VLSI (8.68CGPA)
University 28th Rank



T. Dhivya Bharathi
M.E EST (8.58 CGPA)
University 29th Rank



C. Abinaya Devi
M.E CSE(8.71 CGPA)
University 31st Rank



P. Veeramurugajothi
M.E PED (8.58 CGPA)
University 32nd Rank



B. Sangeetha
M.E PED (8.58 CGPA)
University 32nd Rank



**T. Leela
Priyadharshini**
M.E EST (8.52 CGPA)
University 33rd Rank



M. Rajeswari
M.E PED (8.47 CGPA)
University 40th Rank



B. Sindhumathi
M.E CSE(8.57 CGPA)
University 41st Rank



M. Vasanthi
M.E CSE(8.53 CGPA)
University 44th Rank



S. Mekaladevi
M.E CSE(8.49 CGPA)
University 47th Rank



B. Madhan Kumar
M.E PED (8.33 CGPA)
University 50th Rank



K. Sabitha Banu
M.E VLSI (8.60 CGPA)
University 33rd Rank

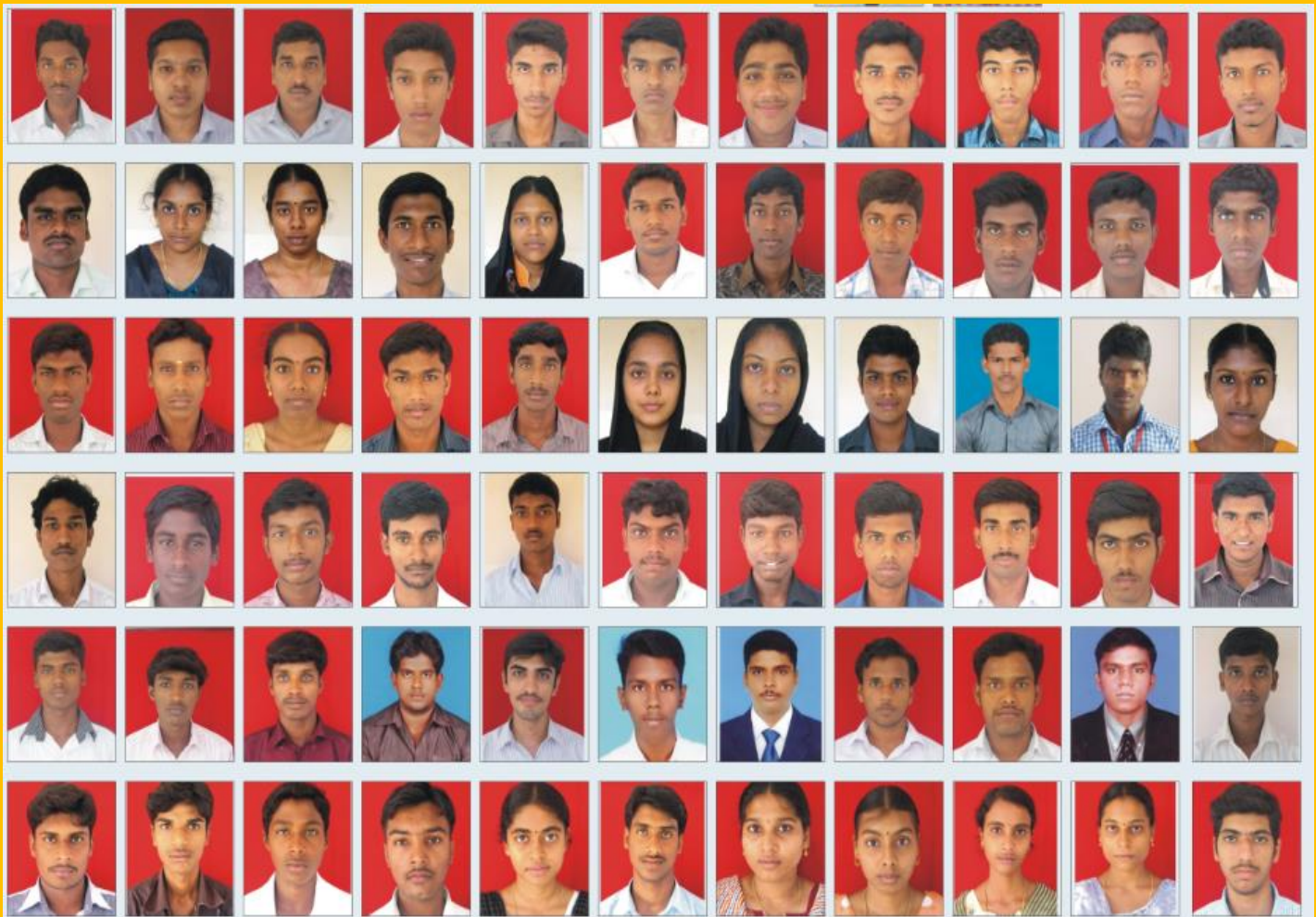


A. Deepa
M.E VLSI (8.54 CGPA)
University 37th Rank



S. Praveen Kumar
M.E PED (8.50 CGPA)
University 38th Rank

PLACED STUDENTS IN THE ACADEMIC YEAR 2014 – 2015





Our Recruiters

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HINDUJA
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RELIANCE



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Engineering Services



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SRI Ramana Building Construction Pvt. Ltd.

Department of Computer Science and Engineering

Department Vision and Mission:

Vision:

Emerge as Centre of excellence in Computer Science Engineering through quality education, research and innovation.

Mission:

To provide quality engineering education to the students through state of art facilities in Computer Science and Engineering

To enrich students knowledge towards research, entrepreneur skill and employability.

To include value-based, socially committed professionalism to the cause of overall development of students and society.

Department Activities

One day workshop on “Appdhoom 2 - Mobile app Competition”



The Departments of Computer Science And Engineering and Information Technology organized one day workshop named as “Appdhoom 2 - Mobile app competition” in association with CSI and Target Soft Systems on 05th February 2015.

Symposium

One day National Level Technical Symposium was conducted on 06-Sep-2014. The Correspondent, Principal and HOD of CSE felicitated the gathering. Nearly 100 students from different colleges were participated in different events.



Chief Guest felicitation at symposium

Faculty Activities

	<ul style="list-style-type: none">➤ Published a paper on “Simulation Model to Attend Effective Resource Routing and Allocation Procedure for Bio Medical Applications in Cloud Computing” in International Journal of Applied Engineering Research, ISSN 0973-4562 Vol. 10 No.55 (2015). (Annexure II)➤ Published a paper on " An Efficient Causal Framework for Procuring Knowledge from Potential EMR", International Journal of Applied Engineering Research, 2015
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<p>Dr. N.KARTHIKEYAN</p>	<ul style="list-style-type: none"> ➤ Published a paper on " Simulation Model to Afford Effective Resource Routing and Allocation Procedure for Bio-medical Applications in Cloud Computing Environment", International Journal of Applied Engineering Research, 2015 ➤ Published a paper on "High Payload Reversible Watermarking for Securing Medical Images in a Cloud Environment", Advances in Intelligent Systems and Computing, 2014 ➤ Published a book for first year engineering students in the title of "Computer Programming" in charulatha Publications.
<p>Mrs. A. KANMANI</p>	<ul style="list-style-type: none"> ➤ Published a paper on "Cloud Computing in the Field of Rural Education" in International Journal of Applied Mechanics and Materials, Vol 573 (2014) pp 563-599. (Annexure II) ➤ Published a paper on "Simulation Model to Attend Effective Resource Routing and Allocation Procedure for Bio Medical Applications in Cloud Computing" in International Journal of Applied Engineering Research, ISSN 0973-4562 Vol. 10 No.55 (2015). (Annexure II) ➤ Published a paper on "SMS:Sparky Multiservice Load Stabilizing in Cloud Emporium using Genetic Algorithm" in International Journal of Applied Engineering Research, ISSN 0973-4562 Vol. 10 No.55 (2015). (Annexure II)
<p>Mr. S. HASSAN HUSSAIN</p>	<ul style="list-style-type: none"> ➤ Published a paper on "Listing Past, Current, and Upcoming Research in Ubiquitous Computing - A Review" in International Journal of Applied Engineering Research, ISSN 0973-4562 Vol. 10 No.55 (2015)(Annexure II) ➤ Published a paper on "Finest Energy Efficient Dispatch for Bidirectional Transmission using Clustering Techniques" in International Journal of Applied Engineering Research, ISSN 0973-4562 Vol. 10 No.55 (2015). (Annexure II) ➤ Published a paper on "Implementation of Ubiquitous Heathcare Services with a Unique Econamiel Cloud Paltform" in International Journal of Applied Mechanics and Materials, Vol 573 (2014) pp 565-570(Annexure II)
	<ul style="list-style-type: none"> ➤ Published a paper" PHR in Cloud Environment Using Enhanced

<p>Mr. T.B. SIVAKUMAR</p>	<p>Attribute Based Encryption and Advanced Encryption Standard” in Applied Mechanics and Materials Journal (ISSN print 1660-9336; ISSN cd 1660-9336; ISSN web 1662-7482) under the volume titled “Advancements in Electrical, Electronics, Automation and Control Engineering” (Annexure II)</p> <ul style="list-style-type: none"> ➤ Published a paper on “Role Based Access Control Policy in Secure Sharing Healthcare Data using Multi Cloud” in International Journal of Applied Engineering Research, ISSN 0973-4562 Vol. 10 No.55 (2015). (Annexure II) ➤ Published a paper on “A Secure Mechanism for Anonymous Authentication in Cloud Computing” in International Journal of Applied Engineering Research, ISSN 0973-4562 Vol. 10 No.55 (2015)(Annexure II)
<p>Mrs. J. SHARMILA</p>	<ul style="list-style-type: none"> ➤ Published a paper on “A Study on Various Indexing Techniques in Subgraph Search” in International Journal of Applied Engineering Research, ISSN 0973-4562 Vol. 10 No.55 (2015)(Annexure II) ➤ Published a paper on “A Proficient Indexing in Graph Databases using Feature based Metric Approach” in International Journal of Applied Engineering Research, ISSN 0973-4562 Vol. 10 No.55 (2015)(Annexure II)
<p>Mr. M. GUGHAN RAJA</p>	<ul style="list-style-type: none"> ➤ Published a paper on “MVVE: A Defence Mechanism Against Code Injection Attacks” in International Journal of Applied Mechanics and Materials, Vol 573 (2014) pp 565-570. (Annexure II) ➤ Published a paper on “Disaster alert notification and rescue management through Smart phones using GPS” in International Journal of Applied Engineering Research, ISSN 0973-4562 Vol. 10 No.55 (2015). (Annexure II) ➤ Published a paper on “ Efficient Trust Authority With Establishment Of Cluster Heads In Delay Tolerant Network” in International Journal of Applied Engineering Research, ISSN 0973-4562 Vol. 10 No.55 (2015). (Annexure II)

<p>Mrs. S. SHANTHINIDEVI</p>	<ul style="list-style-type: none"> ➤ Published a paper on “A Novel Dynamic Resilient Ensemble Physical Proximity Resource Management Scheme Adopting for Distributed Environments” in International Journal of Applied Mechanics and Materials, Vol 573 (2014) pp 565-570. (Annexure II) ➤ Published a paper on “ Automatic:A Survey on Data warehousingand data mining Technology for business Intelligence” in International Journal of ICGTEMIS (2015). (Annexure II) ➤ Published a paper on “Analysis SPAM message and detecting Zombies ” in International Journal of International Journal of Applied Engineering Research, ISSN 0973-4562 Vol. 10 No.55 (2015). (Annexure II) ➤ Published a paper on “Secure Data Hiding in Encrypted H.264/A VC Video Strems by Quantization and FMO Techniques” in International Journal of International Journal of Applied Engineering Research, ISSN 0973-4562 Vol. 10 No.55 (2015)(Annexure II)
<p>Mr. B. PALANICHELVAM</p>	<ul style="list-style-type: none"> ➤ Published a paper on “Recovery Mutual Scheduling : A Decentralized approach for Fault recovery mechanism in grid computing” in International Journal of Applied Mechanics and Materials, Vol 573 (2014) pp 571-575. (Annexure II) ➤ Published a paper on “ A Secure and Auditing Mechanism for CAAS” in International Journal of Applied Engineering Research, ISSN 0973-4562 Vol. 10 No.55 (2015). (Annexure II) ➤ Published a paper on “TRANSPORTATION SENTIMENT ANALYSIS FOR SAFETY ENHANCEMENT” in International Journal of Applied Engineering Research, ISSN 0973-4562 Vol. 10 No.55 (2015). (Annexure II)

<p>Mrs. T. M. DEVI</p>	<ul style="list-style-type: none"> ➤ Published a paper on " Mitigating Shoulder Surfing Attack by using color based password entry method" International Journal of Applied Engineering Research, ISSN 0973-4562 Vol. 10 No.55 (2015)(Annexure II) Published a paper on " A study on extracting queiries from natural language" International Journal of Applied Engineering Research , ISSN 0973-4562 Vol. 10 No.77 (2015)(Annexure II)
<p>Mr. G.SARAVANAKUMAR</p>	<ul style="list-style-type: none"> ➤ Published a paper on “A Novel Dynamic Resilient Ensemble Physical Proximity Resource Management Scheme Adopting for Distributed Environments” in International Journal of Applied Mechanics and Materials, Vol 573 (2014) pp 565-570. (Annexure II) ➤ Published a paper on “ A Secure and Auditing Mechanism for CAAS” in International Journal of Applied Engineering Research, ISSN 0973-4562 Vol. 10 No.55 (2015). (Annexure II) ➤ Published a paper on “TRANSPORTATION SENTIMENT ANALYSIS FOR SAFETY ENHANCEMENT” in International Journal of Applied Engineering Research, ISSN 0973-4562 Vol. 10 No.55 (2015)(Annexure II)
<p>Mr. M.H. ANAND BABU</p>	<ul style="list-style-type: none"> ➤ Published a paper on “System Filtering messages using OLP with feedback from user” in International Journal of Applied Engineering Research, ISSN 0973-4562 Vol. 10 No.55 (2015). (Annexure II) ➤ Published a paper on “A scheme for secured transaction using RFID system substantiation” in International Journal of Applied Engineering Research, ISSN 0973-4562 Vol. 10 No.55 (2015). (Annexure II) ➤ Published a paper on “Recovery Mutual Scheduling: A Decentralized approach for Fault recovery mechanism in grid computing” in International Journal of Applied Mechanics and Materials, Vol 573 (2014) pp 571-575. (Annexure II) ➤ Published a book for first year engineering students in the title of "Computer Programming” in charulatha Publications.

<p>Mr. B. JOHN SAMUEL</p>	<ul style="list-style-type: none"> ➤ Published a paper on “MVEE: A Defence Mechanism against Code Injection Attacks” in International Journal of Applied Mechanics and Materials. (Annexure II) ➤ Published a paper on “Disaster alert notification and rescue management through Smart phones using GPS” in International Journal of Applied Engineering Research. (Annexure II)
<p>Mr. M. MANIKANDA KUMAR</p>	<ul style="list-style-type: none"> ➤ Published a paper on “Analyzing SPAM message and detecting Zombies ” in International Journal of International Journal of Applied Engineering Research, ISSN 0973-4562 Vol. 10 No.55 (2015). (Annexure II) ➤ Published a paper on “ A Survey on Data Warehousing and Data Mining Technology for Business Intelligence” in International Journal of Applied Engineering Research, ISSN 0973-4562 Vol. 10 No.55 (2015)(Annexure II)
<p>Mrs. S. SATHIYA</p>	<ul style="list-style-type: none"> ➤ Published a Paper on "Clustering Uncertain Data Based on Probability Distribution Similarity" international Journal of Applied Engineering Research, ISSN 0973-4562 Vol. 10 No.55 (2015),(Annexure II) ➤ Published a Paper on "Sentiment Analysis for Mining of Online Product Ranking" International Journal of Applied Engineering Research, ISSN 0973-4562 Vol. 10 No.77 (2015), (Annexure II)
<p>Mrs. R. LATHA</p>	<ul style="list-style-type: none"> ➤ Published a Paper on "Sentiment Analysis for Mining of Online Product Ranking" International Journal of Applied Engineering Research, ISSN 0973-4562 Vol. 10 No.77 (2015), (Annexure II) ➤ Published a Paper on "Cloud monitoring using objects with identifiers "International Journal of Applied Engineering Research, ISSN 0973-4562 Vol. 10 No.55 (2015),(Annexure II)

<p style="text-align: center;">Ms. R. DHIVYA</p>	<ul style="list-style-type: none"> ➤ Published a paper on “A scheme for secured transaction using RFID system substantiation” in International Journal of Applied Engineering Research, ISSN 0973-4562 Vol. 10 No.55 (2015). (Annexure II) ➤ Published a paper on “A Secure and Auditing Mechanism for CAAS” in International Journal of Applied Engineering Research, ISSN 0973-4562 Vol. 10 No.55 (2015). (Annexure II) ➤ Published a paper on " A study on extracting queries from natural language" International Journal of Applied Engineering Research ,ISSN 0973-4562 Vol. 10 No.77 (2015) ,(Annexure II)
<p style="text-align: center;">Ms. H. NOORUL SHAJITHA BANU</p>	<ul style="list-style-type: none"> ➤ Published a paper on “INFORMATION SECURITY THREATS AND MITIGATIONS-A RELOOK” International Journal of Applied Engineering Research ,ISSN 0973-4562 Vol. 10 No.77 (2015) , (Annexure II) ➤ Published a book for first year engineering students in the title of "Computer Programming” in charulatha Publications.

Paper Presentation/ Workshop/ Seminar and Symposium attended by the Students

- Mr. J.Shameer Ahamed of IV CSE Student won the first prize for the event “Best Male Rylarian Award” Organized by Rotary Club of Tirunelveli on 18th September 2014.
- Mr. G.Manikandan of III CSE Student won the Second prize for the events “Multimedia presentation“ and “Debugging” Organized by University college of Engineering, Ramanathapuram on 8th October 2014.
- Mr. S.Mohammed Muzzammil of III CSE Student won the Second prize for the event “Quiz” Organized by University college of Engineering, Ramanathapuram on 8th October 2014.
- Ms. M.Musfira and Ms.S.Raslana of III CSE Students won the first prize for the event “Online Examination Webpage” Organized by University college of Engineering, Ramanathapuram on 8th October 2014.
- Ms.B.Nandhini and Ms.S.Suvedha Shree of II CSE Students won the first prize for the event “Paper Presentation” Organized by University college of Engineering, Ramanathapuram on 8th October 2014.

- Ms. S.Suvedha Shree and Ms.K.Shobana of II CSE Students won the first prize for the event “Paper Presentation” Organized by PTR college of Engineering on 21st February 2014.
- Ms. M.Thiruselvi and Ms.D.Vijaya Lakshmi of IV CSE Students won the Second prize for the event “Paper Presentation” Organized by Ultra college of Engineering, Madurai on 28th February 2014.
- Ms. M.Thiruselvi of IV CSE Student won the Third prize for the event “Best Manager” Organized by Ultra college of Engineering, Madurai on 28th February 2014.
- Ms.S.Kiruthika of II CSE Student won the Second prize for the event “Best Manager” Organized by Ultra college of Engineering, Madurai on 28th February 2014.
- Ms. S.Fathima Shaibiya, Ms. Mohana Priya and Ms.R.S.Aarthi of III CSE Students attended the Workshop on “Digital Animation Techniques” Organized by National Engineering College, Kovilpatti from 24th September 2014 to 25th September 2014.
- Ms. S.Shiyamili and Ms. S.Suvedha Shree of II CSE Students attended the Programme on “RYLA” Organized by Rotary Club of Devakottai, Devakottai on 9th November 2014.
- Mr. M.Ram Shreyus of II CSE Student attended the Workshop on “Whats Hack” Organized by Department of IT, Anna University Guindy on 6th February 2015.
- Mr. P.Nagendran, Mr. S.Mohammed Muzzammil, Mr. M.Aravind and S.Harinivas of IV CSE students participated the various events “Code Jigsaw”, “Tech Hunt”, “Design Buzz”, “Poem”, and “Group Discussion” Organized by Kumaraguru college of technology, Coimbatore on 12th February 2015.
- Ms. R.Swathi Priyadharshini and Ms.A.Snehapriya of IV CSE Students attended the Workshop on “Web Designing and Robotics” Organized by National Institute of Technology, Tiruchy from 16th March 2015 to 17th March 2015.

Department of Electronics and Communication Engineering

Department Vision

- Emerge as a Center of eminence for disciplined, innovative and employable Engineers, who can contribute to the society.

Department Mission

- Provide exemplary learning environment and quality professional education.
- Empower rural students with skills and knowledge for innovation through curricular, co-curricular and extracurricular activities.
- Providing ample opportunities to learn moral and ethical values to serve the society and nation.

Department Activities:

Student Symposium:

A National level Technical Symposium Erazzles'15 was conducted by the Department of Electronics and Communication Engineering on 28-02-2015.

This Symposium is conducted every year to motivate the students, to enhance their technical skills, to develop their leadership quality and to promote their communication skills through the events such as paper presentations and project presentations, Quiz programme, circuit debugging.

Dr. Chinnadurai Abdullah, Correspondent, Syed Ammal Engineering College was the chief guest of the Inaugural function.



Souvenir release by Principal Dr. P. Marimuthu,
Syed Ammal Engineering College, Ramanathapuram



Valedictory address by Mr. Chelladurai Abdullah,
Treasurer, Syed Ammal Trust.

Mr. Chelladurai Abdullah Treasurer, Syed Ammal Trust was the chief guest of the valedictory function and he distributed the prizes to the winners.

International Conference:

The International Conference on Advances in Applied Engineering & Technology – 2015 (ICAAET-2015) was held from 14.05.2015 to 16.05.2015. Three days of deeper study into Engineering and Technology. Six parallel Sessions were held namely Signal Processing, Networking – 1, Networking – 2, Control, Mechanical and Poster Session.

It is a note of honour that all the registered papers were published in the International Journal of Applied Engineering research as a special issue volume 10, issue number 55. Further it must be noted that this journal is indexed by the SCOPUS and is listed in the Anna University Chennai Annexure II under the serial number 8565.



Chief guest Er. Ingersol was honoured by Dr.Chinnadurai Abdullah, Correspondent – Syed Ammal Engineering College

The first day was indeed a great one. The presence of Er. Ingersol, Group director ISRO propulsion Complex, Mahedragiri, the chief guest for the first day, made it a note worthy one. His speech was indeed a spark alighting several minds hungry for success, waiting to be awakened. The next one to be mentioned is Mr.Sheik Mohamed Sultan, Faculty in College of Engineering, Dhofar University, Oman, whose keynote speech on “Solar Energy Conservation” is sure to have surged many forward-towards the better and the best.

The second day was made honourable by the presence of Dr.V.Ponraj, Scientific Advisor to Dr.A.P.J.Abdul kalam, Former President of India, who made an excellent speech on “Science & Development”.



Chief guest Dr.V.Ponraj was honored by Dr.P.Marimuthu Principal – Syed Ammal Engineering College

Numerous participants bubbling with new hope, intelligence and ideas strode into this campus from all over the country momentarily tuning it into an All-India collage. We feel greatly pleased.

Motivational Speech:

A motivational speech on “Self Confidence” was given to the third and final year students by Mr.Senthil Kumar, PG Assistant (CSE), Govt. Higher secondary school, Arasanoor.



Workshop / Conference / Seminars attended by the Faculty members:

Mrs. S.M.H. Sithi Shameem Fathima, Associate Professor, Department of ECE, has presented a paper in the ninth Indian conference on computer vision, graphics and image processing conducted by IISc Bangalore.

Mr. B.Ramasubramanian, N.Karthiga Devi, D.Archana Devi, P.Suganya were participated in the Faculty Development training Programme on Communication Theory conducted by University College of Engineering, Ramanathapuram.

Mr. B.Ramasubramanian, Assistant Professor, Department of ECE, had participated in the two days workshops on machine learning in computer vision conducted by Madras Institute of Technology, Chennai.

Mr. B.Ramasubramanian, Assistant Professor, Department of ECE, has presented a paper in the International Conference on green technology for power generation, Communication and Instrumentation conducted by St.Peter's University.

Ms. S. Mofiya Farhana, Assistant Professor, Department of ECE, has presented a paper in the International Conference on emerging trend in Engineering technology conducted by Latha Mathavan Engineering College.

Mr. J. Sahubar Sadiq, Associate Professor, Department of ECE, has participated in the BRNS sponsored National level seminar on WSN for radiation monitoring in nuclear energy systems conducted by Kongu Engineering College, Erode.

Mr.G. Mahendran, HOD, Department of ECE has presented a paper in the International Conference on Emerging trends in engineering and technology conducted by PSY College of Engineering.

Mrs. S. Murugeswari, Associate Professor, Department of ECE has presented a paper in the International Conference on Emerging trends in engineering and technology conducted by PSY College of Engineering.

Mrs. S.M.H. Sithi Shameem Fathima, Associate Professor, Department of ECE, has presented a paper in the second IEEE conference on Innovation in information, embedded and communication systems conducted by Karpagam College of Engineering, Coimbatore.

Ms.S. Mofiya Farhana, Assistant Professor, Department of ECE, has presented a paper in the second IEEE conference on Innovation in information, embedded and communication systems conducted by Karpagam College of Engineering, Coimbatore.

Mr. G. Mahendran, HOD, Department of ECE has presented a paper in the International Conference on Communication, Signal Processing conducted by Adhiparasakthi Engineering College, Melmaruvathur.

Mr. B. Ramasubramanian, Assistant Professor, Department of ECE has presented a paper in the International Conference on Communication, Signal Processing conducted by Adhiparasakthi Engineering College, Melmaruvathur.

Department of Electrical and Electronics Engineering

Department Vision

- To be a centre of excellence in teaching and research in Electrical and Electronics Engineering, to produce highly skilled, excellent engineers who can serve the society.

Department Mission

- Provide exemplary learning environment and quality professional education.
- Empower rural students with skills and knowledge for innovation through curricular, co-curricular and extracurricular activities.
- Providing ample opportunities to learn moral and ethical values to serve the society and nation.

Department Activities

Two days workshop on “PCB Design”

The Departments of EEE organized two day workshop named as “PCB Design” in association with i-Green Technologies from 26.03.2015 to 27-03-2015.





Faculty Activities

Journals Published

R.Dhanasekaran and & V.Bhanumathi, “ Residual energy based rebroadcast and overhearing reduction for energy efficient communication in mobile ad-hoc network,”*Journal of Engineering and Technology*, vol. 4, no. 1, pp. 24–28,. Jun 2014.

R.Dhanasekaran and S.Prakash , “Design and Simulation of Closed Loop Controlled Buck Converter FEDPMBLDC Drive System,” *International Journal of Scientific & Engineering Research*, vol. 5, no. 4, pp. 7-10, April. 2013.

R.Dhanasekaran and G.Thiagu, “Performance and analysis of differential mode noise separation for power supplies,” *Journal of Theoretical and Applied Information Technology*, vol. 64, no. 2, pp. 386-392, June. 2013.

R.Dhanasekaran and A.Pandian, “Hybrid Anti-windup fuzzy PI Controller based direct torque control of three phase induction motor”, *Applied Mechanics and Materials*, vol. 573, pp. 155-160, June. 2014.

R.Dhanasekaran and B.Sargunam, “Fault Tolerant Techniques for Finite Field Multipliers.,” *Applied Mechanics and Materials*, vol. 573, pp 209-214, June. 2014.

R.Dhanasekaran , and C.S.Subash Kumar , “Digital Control of Space Vector Pulse Width Modulation Based Shunt Active Filter .,” *Applied Mechanics and Materials*, vol. 573 pp. 115-121, June. 2014.

R.Dhanasekaran , and A.Pandian, “Performance Analysis of direct torque control of 3-phase induction motor.,” *Journal of Theoretical and Applied Information Technology* vol. 62, no. 3, pp. 819-824, April .2014.

R.Dhanasekaran , and S.Sairabanu, “A new scheduling based energy efficient scheme for WSNS .,” *Journal of Theoretical and Applied Information Technology*, vol. 63, no. 1, pp. 51-60, May 2014.

R.Dhanasekaran , and B.Sargunam, “Graph-Based Low Complexity Bit Parallel Multipliers for Trinomials over Galois Fields .,” *International Journal of Electronic Communication Engineering Advanced Research* , vol. 2, no. 1, 117-120 , Feb. 2014.

R.Dhanasekaran and B.Sargunam, “Efficient word based Montgomery multiplication for cryptography ,” *International Journal of Electrical &Electronic Engineering Advanced Research* , vol. 2, no. 1 , pp 186-189 ,Feb. 2014.

R.Dhanasekaran and B.Sargunam, “Error detection Schemes for Finite Field Multipliers .,” *American Journal of Applied Sciences*, vol. 11, no. 1 , pp 137-144, 2014.

R.Dhanasekaran and B.Sargunam, “Word Level Finite Field Multipliers Using Normal Basis,,” *Journal of Theoretical and Applied Information Technology* , vol. 62, no. 3 , pp 805-811, April .2014.

R.Dhanasekaran and P.Vigneswaran, “Secure Multicast Routing In Mobile Ad Hoc Network Using Secret Sharing,,” *International journal of computer Science & information Technology Advance Researce*, vol. 2, no. 1 , Feb. 2014.

R.Dhanasekaran and Jesavath Kiran Naik , “A New Printed Quadrifilarhelix Antenna With Integrated Feed Network .,” *International Journal of Electrical &Electronic Engineering Advanced Research* , vol. 2, no. 1 , Feb. 2014.

R.Dhanasekaran and A.Parthasarathy , “Selection Of Wheeling Transaction Option Using Hybrid Particle Swarm Optimization ,” *International Journal of Electrical &Electronic Engineering Advanced Research* , vol. 2, no. 1, pp 162-168, Feb. 2014.

R. Dhanasekaran , and E. Nanda Kumar, “Implementation Of Fuzzy Logic Based Direct Torque Control Of Induction Motor,,” *International Journal of Electrical &Electronic Engineering Advanced Research* , vol. 2, no. 1, Feb. 2014.

R.Dhanasekaran T.Arun Prasath, "Generation Of Solar Power Using Quadratic Boost Converter With Coupled Inductor ," *International Journal of Electrical &Electronic Engineering Advanced Research* , vol. 2, no. 1, Feb. 2014.

R.Dhanasekaran S.Narayanakumar K. Raja and M. Indradevi , "A Review Of Application Of Intelligent Techniques In Earthquake Prediction ," *International Journal of Electrical &Electronic Engineering Advanced Research* , vol. 2, no. 1, Feb. 2014.

R.Dhanasekaran and A. Jayachandran , "Brain tumor severity analysis using modified multi-texton histogram and hybrid kernel SVM ," *International Journal of Imaging Systems and Technology* , vol. 24 , pp 72-84, Feb. 2014

R.Dhanasekaran and Nallavan G, "Doubly Fed Induction Generator Based Wind Turbine With Adaptive Neuro Fuzzy Controller" *Asian Journal Of Scientific Research* , vol. 7, no. 1, pp 45-55 , 2014.

R.Dhanasekaran and E.Nanda Kumar, "Optimal Power Flow with FACTS Controller Using Hybrid PSO ," *Arabian Journal for Science and Engineering* , vol. 39, no. 4, pp 3137-3146, April 2014.

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Book Publications

S.Selvaperumal, R.Nagarajan and P.NedumalPugazhenthithi, "Advancements in Automation and Control Technologies," Trans Tech Publications Ltd, Switzerland., 2014. ISSN: 1660-9336.

J.Gnanavadivel, C.Senthilkumar and S.Selvaperumal, "Electrical Engineering and Instrumentation," Anuradha Publications, Chennai., 2014. ISBN: 978-81-8472-259-8.

Paper Presentation/ Workshop/ Seminar and Symposium attended by the Students:

Academic Year (2014- 2015)					
1.	k.Boopalan	18.02.2015	Paper Presentation	Immanuel Arasar Jj College Of Engineering, Kanyakumari.	Paper Presentation
2.	K.Jeyapriya	27.03.15	Paper Presentation	St.Michael College of Engineering and Tehnology,	Participation
3.	S.Mohammed Aasiq	18.02.2015	Paper Presentation	Immanuel Arasar Jj College of Engineering, Kanyakumari.	Paper Presentation
4.	S.Selvakumar	18.02.2015	Paper Presentation	Immanuel Arasar Jj College of Engineering, Kanyakumari.	Paper Presentation
5.	S.Selvakumar	23.8.14	Paper Presentation	Shanmuganathan Engineering College, Pudukkottai.	Paper Presentation
6.	S.Selvakumar	08.10.14	Paper Presentation	Madurai institute of Engineering and Technology	Paper Presentation
7.	S.Selvakumar	10.10.14	Paper Presentation	University College of Engineering and Technology, Ramanathapuram.	Participation
8.	A.Madhumitha	24.02.15	RockWar	Chendhuran College of Engineering and Technology, Pudukkotai	Participation
9.	A.Madhumitha K.Jeyapriya	24.02.15	Paper Presentation	Chendhuran College of Engineering and Technology, Pudukkotai	Participation
10.	A.Madhumitha K.Jeyapriya	08.10.14	Paper Presentation	Madurai Institute of Engineering and Technology,	II Prize

DEPARTMENT OF MECHANICAL ENGINEERING

Department Vision

To be an eminent center of excellence to produce engineers who could evolve as technocrats to serve the society

Department Mission

To accomplish the welfare of society through excellence in teaching, research and skills that exploits the rapidly changing technical diversity of mechanical engineering with a collaborative environment that stimulates staff and students to reach their highest potential through life-long learning.

Programmes organized by the department:

Megatronz-15

A National Level Technical Symposium Megatronz-15 was conducted by Department of Mech. Engg. on 21.02.15. **Mrs.T.Selvakumari**, General Manager,Lead Recruitment Services,Trichy was the Chief Guest of Inaugural Function and Mr.Chelladurai Abdullah gave Vaedictory Address and distributed Prizes for the winners of Paper Presentation and other events



Papers published in journals by staff members

1. A. Senthil Rajan, K. Raja and P. Marimuthu, Augmentation of Single Basin and Pyramid Still Desalination Using Common Biomass Heat Source and Analytical Validation Using RSM, A Australian Journal of Basic and Applied Sciences, July 2014, Vol. 8 (10), pp. 212-218.
2. A. Senthil Rajan, K. Raja and P. Marimuthu, Multi basin desalination using biomass heat source and analytical validation using RSM, Energy Conversion and Management (Elsevier), (2014), Vol. 87.
3. S. Dharmalingam, P. Marimuthu, K. Raja, Machinability study on Al-10% TiC Composites and Optimum setting of drilling parameters in ElectroChemical Micro machining using Grey Relational Analysis, Latin American Applied Research- An International Journal, (2014), Vol. 44, No. 4, pp. 331-338.
4. A. Senthil Rajan, K. Raja and P. Marimuthu, Enhancing the productivity of the single basin and analytical validation using RSM, Australian Journal of basic and applied sciences (2014), Vol. 8(15), pp.90-99.
5. S. Dharmalingam, P. Marimuthu, K. Raja, Drilling a Micro Hole on Electrochemical Micro Machining of Al-2024 /10 % Wt of Al_2O_3 / 10% Wt of B_4C Hybrid Metal Matrix Composites Using Taguchi Methodology, International Journal of Engineering (Accepted for Publication).
6. S. Karthikeyan, A. Elango, P. Marimuthu and A. Prathima, Performance, Combustion and Emission Characteristic of a marine engine running on grape seed oil biodiesel blends with nano additive, Indian Journal of Geo-Marine Sciences, (2014), Vol. 43(12), PP. 2315-2319.
7. P. Marimuthu, S. Baskaran, K. Chandrasekaran and J. Bensam Raj, Effect of Cutting parameters on Super Alloy in Turning Operation under dry condition, International Journal of Engineering and Technology, Dec 2014- Jan 2015, Vol. 6, No. 6, pp. 2573-2578.
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9. A. Senthil Rajan, K. Raja and P. Marimuthu, Increasing the productivity of pyramid solar still augmented with biomass heat source and analytical validation using RSM, Desalination and Water Treatment (Taylor & Francis), 2015, pp. 1-14, DOI: 10.1080 / 9443994.2014.995133.
10. K. Raja, P. Marimuthu and K. Chandrasekaran, Performance study on AISI316 and AISI 410 using different layered coated cutting tools in CNC Turning, Journal of Engineering Science and Technology, (2015), Vol. 10, No.1, pp. 25 – 34.
11. P. Marimuthu, TTM. Kannan and G. Balaji, Evaluation of Hardness and tensile strength of Micro spot welded joints on different materials, International Journal of Applied Engineering Research, (2015), Vol. 10, No. 3, pp. 2412-2414.
12. P. Marimuthu and TTM. Kannan, Development of Tabletop Micro factory for sustainable manufacturing system, International Journal of Applied Engineering Research, (2015), Vol. 10, No. 3, pp. 2446-2449.
13. R. Kalyana Sundaram, N. Dharmendra Prakash and P.Marimuthu, Study of Mechanical properties of the polymer matrix Composite material, International Journal of Applied Engineering Research, (2015), Vol. 10, No. 13, pp.11155-11160.

14. TTM.Kannan and P.Marimuthu, Optimization of friction welding parameters of AA6082 Miniature of welded joints, International Journal of Applied Engineering Research, (2015), Vol. 10, No. 15, pp.12174-12181.
15. CT. Muthiah and P. Marimuthu, Thermal decomposition study Of high density Polyethylene nano composite, Journal of Chemical and Pharmaceutical Sciences(2015), Special issue 7, pp.240-244.
16. K. S. Ashraff Ali, P. Marimuthu and A. Athijayamani, Investigations on temperature distribution in welding of Aluminium alloys to steel using FEM, Journal of Carbon – Science and Technology (2015), Vol.7/1, pp. 89 – 97.
17. M. Ganesan and P. Marimuthu, Prediction of Axial Shortening on Friction welding of AISI 4340 Steel Joints using Design of Experiments, International Journal of Applied Engineering Research, (2015), Vol.10, No. 55, pp.3927-3931.
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19. B. Selvam, P. Marimuthu, R. Narayanasamy, V. Senthilkumar, K. S. Tun, and M. Gupta, Development of a Constitutive Model for Predicting High Temperature Flow Stress of Magnesium-Zinc Oxide Composite, International Journal of Applied Engineering Research, (2015), Vol.10, No. 55, pp.3971-3974.
20. P.Marimuthu, K. Senthil Kumar, S. Dinesh Raja and S. Karthikeyan, Analyse and Optimise Machining Parameters Setting For CNC Turning of Inconel x-750 Using Genetic Algorithm, International Journal of Applied Engineering Research, (2015), Vol.10, No. 55, pp.3978-3981.
21. P. Marimuthu, M. Robert Sagaya Doss & K. Chandrasekaran , Optimization of process parameter for INCONEL 600 in EDM using Taguchi Method, International Journal of Applied Engineering Research, (2015), Vol.10, No. 55, pp.3982-3984.
22. P. Marimuthu, M. Robert Sagaya Doss & K. Chandrasekaran, Desirability Function Analysis implemented in EDM Process, International Journal of Applied Engineering Research, (2015), Vol.10, No. 55, pp.3985-3987.
23. R. Baskaran, P. Marimuthu, S. Jayalakshmi, A. Naveen Sait and K. Chandrasekaran, Evaluation of influencing parameters on Turning INCONEL625 with traditional technique, International Journal of Applied Engineering Research, (2015), Vol.10, No. 55, pp.4039-4043.
24. M. Ganesan and P. Marimuthu, Effect of axial shortening on friction welded AISI 304L Stainless Steel Joints, International Journal of Applied Engineering Research, (2015), Vol.10, No. 55, pp.4044-4047.
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26. R.Kalyana Sundaram, S.Karthikeyan, and P.Marimuthu, Study of Mechanical Properties of the Composite Material Produced From the Wastage of Plastic And Coconut Fiber, International Journal of Applied Engineering Research, (2015), Vol.10, No. 55, pp.4119-4124.

27. P. Raveendran and P. Marimuthu, Optimization of Parameters in Turning of GFRP Rod by Coated Tool Using Taguchi and Desirability Function Analysis, International Journal of Applied Engineering Research, (2015), Vol.10, No. 55, pp.4125-4129.
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33. S. Karthikeyan, A. Elango A. Prathima “The effect of cerium oxide additive on the performance and Emission characteristics of a CI engine operated with rice bran biodiesel and its blends” International Journal of Green Energy2015.

Industrial Visits:

II year Mech Engg students have gone to Industrial Visit to Doddabetta Tea Factory, Ooty

III year Mech Engg students have gone to Industrial Visit to

- a) Agriculture Machinery & Research Centre, Coimbatore
- b) S.D.S Engineering works, Coimbatore
- c) Giri pump industries, Coimbatore
- d) G.D Naidu Musium, Coimbatore
- e) Doddabetta Tea Factory, Coimbatore

IV year Mech Engg students have gone to Industrial Visit to Doddabetta Tea Factory, Coimbatore

Students' Activities:

60 students from mechanical department participated in various events conducted by reputed Engineering colleges in tamilnadu

Selvan T.N.Vignesh got best student award from The Institution of Engineers (India), Students' chapter, Adhiyamaan College of Engineering is organizing an All India Conference on "Emerging And Building Up Technical Innovation In Modern Era"

Name Of The Student	Date	Events	Organised Institution	Prize Won
R.InamurRahuman	01/09/2014	Paper Presentation	Mount Zion College of Engineering &Technology,Pudukottai	1 st
H.Basith Kamal	01/09/2014	RC Racing	Mount Zion College of Engineering &Technology,Pudukottai	1 st
S.Manikandan	14/09/2014	ROCKETRIX	AlagappaChettiar College of Engineering &Technology,Karaikudi	1 st
H.Basith Kamal	01/09/2014	CAD Modelling	Mount Zion College of Engineering &Technology,Pudukottai	2 nd
G.Santhakumar	06/02/2015	CAD Modeling	Sri Krishna College of engineering &Technology,Coimbatore	2 nd

DEPARTMENT OF CIVIL ENGINEERING

DEPARTMENT ACTIVITIES

One day seminar on “Environmental Engineering”

The department of civil engineering organized a one day seminar on “**Environmental Engineering**” Delivered by Mr D.Sudhakar , Water Consultant ,Vedantha Lm in DA (SZ) On 9.1.2015.



Chief Guest delivering the lecture in seminar



Student Gathering

STANCHIONZ'15

The Department of Civil Engineering Organized National Level Technical Symposium **STANCHIONZ'15** on 14th February 2015. Mr. Ramachandran ,Executive Engineer – Public Works Department Paramakudi has inaugurated and delivered inaugural address, Mr.K.Senthamarai kannan, HOD Civil Engineering ,welcomed the gathering ,Dr.P. Marimuthu , Principal presided over the function . Dr. Chinnadurai Abdullah, Secretary delivered felicitation address. Among 110 technical papers submitted by students from various colleges, 20 papers were selected for presentation. Apart from paper presentation, poster presentation , Cad-model age, Fissure code ,Mind Maze (Quiz) ,Maquetista (Model making) , were also conducted. Mr.Chelladurai Abdullah Treasurer of Syed Ammal Trust distributed the prizes to winners for various events.



GATHERING OF STAFF AND STUDENTS



TAMILTHAAI VAZHTHU



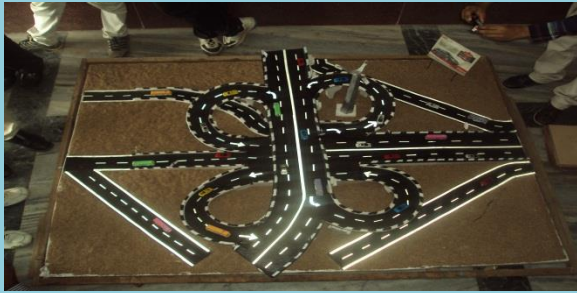
HONOURING CHIEF GUEST



CHIEF GUEST ADDRESSING AND GATHERING



PRIZE DISTRIBUTION



MODEL MAKING

WORKSHOP ATTENDED BY FACULTY MEMBERS

Mr.G.Palani selvan, assistant professor participated in a five day Faculty Development Program on basics of dynamics & aseismic design organized by KLN college of Information technology on 18th to 25th may 2015

WORKSHOP/SEMINOR/ PAPER PRESENTATION/SYMPOSIUM ATTENDED BY THE STUDENTS

- C.Karthika, R.Ragavi III year students participated in the Poster Presentation at Mahath Amma Institute Of Engineering Technology
- L.Arun babu, Raghavan II year students participated in the Paper Presentation at PSNA College of Engineering
- Ramanathan Ravikumar III year students participated in the Paper Presentation at M.Kumarasamy college of engineering ,karur
- Veerapandu, Sanjeev kumar III year students participated in the Paper Presentation at M.Kumarasamy college of engineering ,karur
- Bragatheswaran, T.Vigneshwaran III year students participated in the Paper Presentation at M.Kumarasamy college of engineering ,karur
- Pavithran, Yuvaraj III year students participated in the Paper Presentation at M.Kumarasamy college of engineering ,karur
- Mohamed Ibrahim, T.Vigneshwaran III year students participated in the Paper Presentation at SCAD Engineering College
- Sabareesh Iyappan II year students participated in the Paper Presentation at PSNA College of Engineering
- M.Jayamurugan, H.Jainulabdeen III year students participated in the Cube Contest at M.Kumarasamy college of engineering ,karur
- Ramanathan, Ravikumar III year students participated in the Cube Contest at M.Kumarasamy college of engineering ,karur
- Veerapandu, Sanjeev kumar, Bragatheswaran, T.Vigneshwaran, Pavithran, Yuvaraj III year students participated in the Cube Contest at M.Kumarasamy college of engineering ,karur

Department of Information Technology

The Department of Information Technology was established in the year 2001. Information Technology – the exploring Engineering Technology deals with real time computer applications and executive managerial skills to bring out the genuine talents of our students to face the newly arising challenges on this competitive world. The department being coalesced with eminent faculty, with their diligence and dedication aimed at charting out the disciplined and quality technocrats to our society. The department emphasize interactive learning environment that ensure the students to have in-depth knowledge in their field. The department focuses development of all round capabilities of our budding IT professionals. Our objective is to develop various skill sets in IT field and to add high ethical values by inculcating values of honesty, sincerity and punctuality. The department laboratories are well equipped with IBM servers, systems and Wi-Fi installed with highly expensive software such as Rational Suite Architect, Adobe Software, Web Sphere, DB2 and Macromedia collections for the utilization of our students to impart extraordinary academic proficiency. Our students have bagged enormous university ranks in University end exams.

Department Achievements



Ms. M. Kiruthiga of 2010-2014 batch received 22nd university rank from Anna University, Chennai



Ms. R. ShameemNaskath of 2010-2014 batch received 33rd university rank from Anna University, Chennai



Ms. K. Suganya of 2010-2014 batch received 37th university rank from Anna University, Chennai



Mr. Abdul Azeez. R, Mr. ShyamSundar. M and Mr. Raja Mohamed. K (Left to right) received a cash award from our management for active participation in World's Biggest Big Data Workshop organized by Kaashiv InfoTech Team for Limca Book of Records & World Recordsheld on 14th September, 2014.

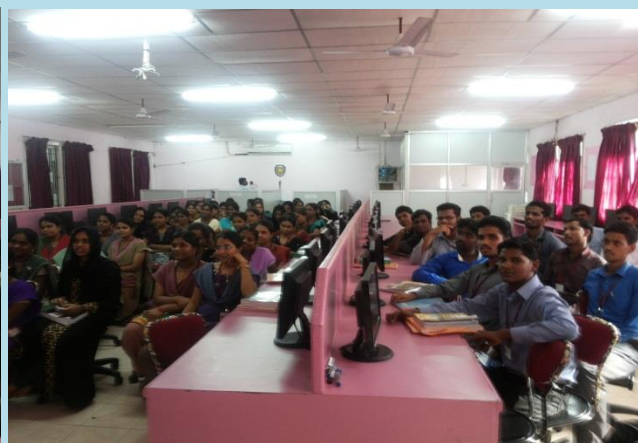
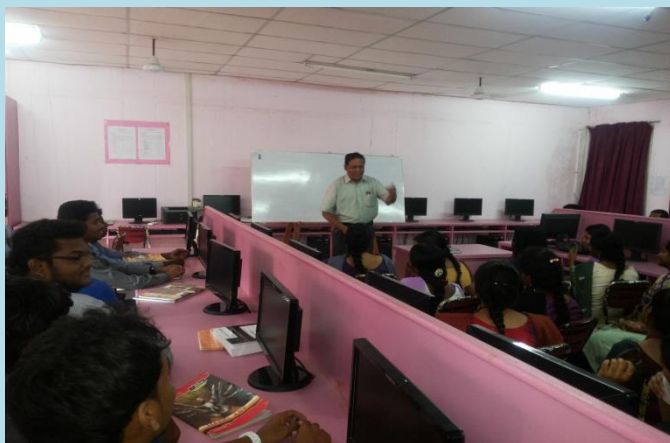
Programme organized by the department:

Technical Symposium:



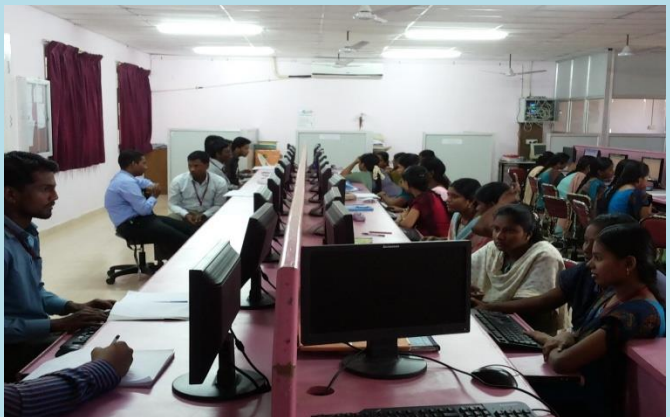
An Intra college Technical Symposium (Technomine'14) was conducted on 01st October, 2014. The Principal felicitated the gathering. Nearly, 100 students participated in different events. The students from various departments participated and won many prizes.

Guest Lecture:



The Department of Information Technology organized a guest lecture on “How to prepare for GATE Examination” by Mr. R.N. Paulraj, Trainer, Triumphant Institute of Management Education Pvt. Ltd., Madurai for IV IT and III IT Students on 10th September, 2014.

One Day Workshop:



The Department of Information Technology organized a One day workshop on “Network Simulation Tools” for III year students delivered by Mr. Nirmalan, Elysium Technologies Madurai, on 16th March, 2015.

Training:

The Department of Information Technology organized a Software Training Workshop through Spoken Tutorial Project Team, IIT Bombay funded by National Mission on Education through ICT (MHRD), Government of India

S. No	Date of Training	Year & Branch	Name of the Course
1	04 Sep 2014	III B. Tech – IT IV B. Tech - IT	JAVA
2	05 Sep 2014	II B. Tech - IT	C and CPP
3	11 Feb 2015	IV B. Tech - IT	PHP and MySQL

Industrial Visit:



The Department of Information Technology, 30 students of IV year students were undergone Industrial visit cum training on 14th August and 16th August 2014 at

- M/s. Poras Technologies India Pvt. Ltd., and
- M/s. Cegonsoft Pvt. Ltd., Coimbatore.



The Department of Information Technology, 55 students of II and III year students were undergone Industrial visit cum training on 14th August and 16th August 2014 at

- M/s. Electronics Technology Park, Technopark, Thiruvananthapuram,
- M/s. FocuzInfotech, (A Division of Focus Innovations) Pvt. Ltd., Kochi, Kerala.

Faculty Activities

Dr. B. MUTHU KUMAR	<ul style="list-style-type: none">➤ Published a paper on “Image Registration Technique of Remote Sensing Image based on the SIFT Features”, in International Journal of Applied Engineering Research. (Annexure II)➤ Published a paper on “Feature Extraction and Feature Selection for Content –based Image Classification Using PROCLASS Algorithm” in International Journal of Applied Engineering Research. (Annexure II)➤ Published a paper on “A Novel and Efficient Android Based Mobile Ad-Hoc Social Networks Model” in International Journal of Applied Engineering Research. (Annexure II)➤ Published a paper on “Artificial Neural Network Technique, Statistical and FFT in identifying defect in plain woven fabric” in CiiT International Journal of Artificial Intelligent Systems and Machine Learning.➤ Published a paper on “Elimination of expensive auditing task and avoid the outsourced data leakage using MUPAP” in CiiT International Journal of Automation and Autonomous System.➤ Participated in One week FDP on “Digital Image Processing” sponsored by Centre for Faculty Development Programme (CFD), Anna University Chennai during 2nd – 8th December 2014 at Syed Ammal Engineering College, Ramanathapuram.➤ Attended a workshop on “Scilab Training” on 03.02.2015 by Spoken Tutorial Team, IIT Bombay.
Mr. M. ISLABUDEEN	<ul style="list-style-type: none">➤ Attended TEQIP II sponsored Workshop on “Formal Methods” on 05.03.2015 at Department of CSE, Thiagarajar College of Engineering, Madurai.➤ Published a paper on “An Efficient Intrusion Detection System with BOAT classifier to detect rare and frequent misuse attacks in MANET” in International Journal of Applied Engineering Research, ISSN 0973-4562, Vol. 10, No.55, Jun 2015. (Annexure II).➤ Published a paper on “A Secure Intrusion Detection System in MANET by adopting SEAACK and Hybrid Authentication Techniques” in CiiT International Journals of Networking and Communication Engineering, ISSN 0974-9640, Vol. 6, No.6, pp. 261-264, August 2014.➤ Organized two oneday FDP on SCILAB and LaTeX (Open Source Softwares) on 03.02.15 & 04.02.15 through Spoken Tutorial Team, IIT Bombay and Sponsored by MHRD, Govt. of India.➤ Presented a paper on “An Efficient Intrusion Detection System with BOAT classifier to detect rare and frequent misuse attacks in MANET” in International Conference on Advances in Applied Engineering & Technology from May 14th to May 16th 2015.

<p>Mr. J. RAGAVENTHIRAN</p>	<ul style="list-style-type: none"> ➤ Attended TEQIP II sponsored Workshop on “Formal Methods” on 05.03.2015 at Department of CSE, Thiagarajar College of Engineering, Madurai. ➤ Advanced Computing and Communication Society and Computer Society of India Sponsored Two days National Level Workshop on “Big Data Analytics” on 08.01.15 – 09.01.15 at PSNA College of Engineering & Technology, Dindugul. ➤ Attended a Workshop on “LaTEX Training” on 04.02.2015 by Spoken Tutorial Team, IIT Bombay. ➤ Published a paper on “Mining Frequent Pattern in MTC Environment using Tree Based Association Rule”, in International Journal of Applied Engineering Research. (Annexure II)
<p>Mr. S. VEERAPATHIRAN</p>	<ul style="list-style-type: none"> ➤ TEQIP II and CSI SIGDATA sponsored One week Workshop on “Databases – Learning through Activity” on 23.06.14 – 27.06.14 at Department of CSE, Thiagarajar College of Engineering, Madurai. ➤ Attended a Workshop on “LaTEX Training” on 04.02.2015 by Spoken Tutorial Team, IIT Bombay. ➤ Papers entitled International Conferences on Advances in Applied Engineering and Technology (ICAET’15). Presented paper title is “An Enhanced Security for Auditing Multiple Tasks in Cloud”, in International Journal of Applied Engineering Research (ISSN : 0973 - 4562) Annexure II – 2014.
<p>Mr. M. MURUGANADAM</p>	<ul style="list-style-type: none"> ➤ TEQIP II and CSI SIGDATA sponsored One week Workshop on “Databases – Learning through Activity” on 23.06.14 – 27.06.14 at Department of CSE, Thiagarajar College of Engineering, Madurai. ➤ Attended a Workshop on “LaTEX Training” on 04.02.2015 by Spoken Tutorial Team, IIT Bombay ➤ Published a Paper titled “Improved Encryption Layered Architecture for Cloud Storage to Increase Confidentiality and Reduce Space Complexity” in International Journal of Applied Engineering Research (ISSN: 0973 – 4562)(Annexure – II)
<p>Mr. K. GOPU</p>	<ul style="list-style-type: none"> ➤ Published a paper on “Secure Data Transmission for Military Environment using Blowfish Algorithm”, in International Journal of Applied Engineering Research. (Annexure II) ➤ Participated in One week FDP on “Digital Image Processing” sponsored by Centre for Faculty Development Programme (CFD), Anna University Chennai during 2nd – 8th December 2014 at Syed Ammal Engineering College, Ramanathapuram. ➤ Attended a workshop on “Scilab Training” on 03.02.2015 by Spoken Tutorial Team, IIT Bombay.

<p>Ms. N. PRINCY</p>	<p>➤ Attended a Workshop on “LaTEX Training” on 04.02.2015 by Spoken Tutorial Team, IIT Bombay.</p>
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Paper Presentation/ Workshop/ Seminar and Symposium attended by the Students

- Subashini.R and BanuPriya. M, IV year students participated in the paper presentation and won **FIRST Prize** under the title of "Brain Computer Interface" at Kamaraj College of Engineering and Technology, Virudhunagar on 10th October 2014.
- Nafila Begam. M and Kokila.S, II year students participated in the paper presentation and won **FIRST Prize** under the title of "A Trust-Aware System for Personalized User Recommendations in Social Networks" at Mohamed Sathak Engineering College, Kilakarai on 25th March 2015.
- Dharani Lakshmi.A and Farhana Fathima.S, II year students participated in the multimedia and won **FIRST Prize** under the title of "Global Warming" at Mohamed Sathak Engineering College, Kilakarai on 25th March 2015.
- Rakshana Afrin.A and Sithi Hasma.K, II year students participated in the multimedia and won **SECOND Prize** under the title of "Indian Economics" at Mohamed Sathak Engineering College, Kilakarai on 25th March 2015.
- Dharani Lakshmi.A and Farhana Fathima.S, II year students participated in the paper presentation and won **THIRD Prize** under the title of "Green Computing" at Mohamed Sathak Engineering College, Kilakarai on 25th March 2015.
- Dharani Lakshmi.A and Mirunalini.M, II year students participated in the paper presentation and won **THIRD Prize** under the title of "Green Computing" at M.I.E.T Engineering College, Trichy on 19th March 2015.
- Abdul Azeez.R and Raja Mohamed.K, IV year students have attended a Three days workshop on “Big Data analysis” at Central for development Advance Computing (CDAC), Bengaluru on 09th to 11th July, 2014.
- Sasipriya.P and Kanimozhi.R, III year students participated in the paper presentation a under the title of "Cloud Computing" at K.L.N. College of Information Technology, Sivaganga on 19th September, 2015.
- Jansirani.N, Jothi SorubaThaya.A, Keerthana.B, Nithiyantham.A, Ramya.G, Seethalakshmi.S, Sowmiya.G and ThasbikAhamed.A, IV year students have attended the one day workshop on “JAVA Jackpot” at Susee Tech, Madurai on 19th September 2014.

MBA DEPARTMENT

The MBA department, established in 2009, as a natural extension and consolidation of the core engineering programmes of the college was added to its repertoire of expertise and intellectual capital to meet the entrepreneurial, corporate and business needs of the educated youth of the region. Ever since its inception, the department has striven to carve a niche for itself in the comity of institutions of its élan and standard. The department has a total strength of 61 students. The specialization streams offered consist of Finance, Marketing and HR. Apart from academics, students are infused with value additions in soft skills, and value based thinking, team work and personality development. The important highlights of the programme include placement training support arranged in association with SMART, Chennai, extra-murals by practitioners from industry, periodic visits to industries and personal care and attention given to students for bringing about their all-round development. The department is backed by well stacked library computing resources with state-of-art technology and pedagogical aids.

Staff Activities:

List of staff members deputed for attending conferences/Seminars/faculty development programmes etc.

Seminars/faculty development programmes:

S.No	Date	Staff Name with Designation	Type of Programme	Conducted By
1	04-02-2015	P. Vijayasairam	LaTex- Workshop	Syed Ammal Engineering College, Ramanthapuram.
2	04-02-2015	C.Ramesh	LaTex- Workshop	Syed Ammal Engineering College, Ramanthapuram.

Guest Lectures:

Sl.No	Date	Topic/Subject	Conducted By	Participants
1	17-2-2015	Personality Development	Antony Sahayaraj, Director, Talent Mgt Associates, Madurai	I year MBA Students

Industrial Visits

During the year the students visited FACT, Cochin and TVS Sri Chakra, Madurai.

Department of Science and Humanities

The department of Science and Humanities aims at providing competitive quality education and we support the students to lay basic indepth foundation in all the branches of Engineering.

The Motto of the Department is to provide high quality education to the students with the support of well-qualified, dedicated and highly motivated faculty members. Our research knowledge includes all boundary areas in Mathematics, Physics, Chemistry and English. We impart the best teaching methodologies which prepare competent professionals able to independently apply knowledge to become a successful engineer.

Department Activities

Department of S&H has organized a National Science day celebration “SPARK15” on 28th Feb. 2015. Dr. P. John Peter, Head, PG & Research, Department of Physics, Government Arts College, Melur, was invited as Chief Guest and inaugurated the Science day. Various events such as Paper Presentation, Poster Presentation and Essay competition were conducted for all the first year students. Dr. S. Manirajan and Dr. Rajkumar Professor from University College of Engineering, Ramanathapuram acted as judges for the above events



Department of S&H organized a Guest Lecture on the Topic “Crystal growth and its application” for all first year students on 18th Sep. 2014. Dr.N.Vijayan, Scientist, National Physical Laboratory, CSIR, New Delhi was invited to deliver the lecture.

Workshop / Paper presentation / Paper publications by Faculty Members

Center for Faculty Development, Anna University Chennai selected our Faculty Prof (Mrs) B. Thenmozhi of Department of Mathematics to teach I year Mathematics through on Line A-VIEW programme to all Engineering students of Anna University during 2014-15.

Mr.SP Ganesan Department of Mathematics has published the following 4 papers during 2014-15

1. Theoretical Analysis of Reaction and Diffusion Processes in a Biofuel Cell Electrode, DOI: 10.1002/fuce.201500025
2. Analytical versus numerical solution of the non-linear reaction diffusion process in an immobilized biocatalyst particle International Journal of Applied Engineering Research, ISSN 0973-4562 Vol. 10 No.55 (2015) © Research India Publications; <http://www.ripublication.com/ijaer.htm>
3. Mathematical modeling and analysis of solid cancer growth with angiogenesis Canadian Open Mathematical Modeling and Applied Computing Journal Vol. 1, No. 1, August 2014, pp. 1- 19 Available online at <http://crpub.com/Journals.php>
4. Mathematical modeling and analysis of solid cancer growth with angiogenesis Hindawi Publishing Corporation International Journal of Computational Mathematics Volume 2014, Article ID 694037, 15 pages <http://dx.doi.org/10.1155/2014/694037>

Mr.M.Murali Kannan, Department of Mathematics has published a paper under the title “Some Fundamental Properties and Characteristics of Fuzzy Gamma Near Algebra” in International Journal of Applied Engineering Research, ISSN 0973-4562 Vol. 10.

Mr. SP Ganesan, Mr. S. Muthu Kumar and Mr. M. Balamurugan Department of Mathematics were completed the Latex Test of certificates for completion of Latex Training organized at Syed Ammal Engineering College on 4th Mar. 2015.

Mr. G.R.Balaji, M.Prabhakaran, S.Rajaskar Dept. of Physics has published a paper on the title “Ultrasonic Studies On Molecular Interactions In Binary And Ternary Mixtures Of Benzophenone With N-Alkanols And Toluene” in Golden Research Thoughts, vol iv,issue vi, december 2014.

Mr. G.R.Balaji, Dr. S.Rajasekar, Mr. K.Mathankumar Dept. of Physics and Mr. G.Veerapandian, G.G.Naganathan, Dept. of Chemistry has published a paper on the title “ Study Of Molecular Interactions In The Solutions Of Poly Vinyl Alcohol With Borax At 301.32 K By Using Ultrasound” in Indian Streams Research Journal,volume5 , issue 1 Feb. 2015. Page no 1-9.

Mr. G.R.Balaji, Dr.S.Rajasekar, Mr. K.Mathankumar Dept. of Physics and Mr. G.G.Naganathan, Dept. of Chemistry has published a paper on the title “ A Study Of Molecular Interactions In The Solutions Of Benzophenone With Alcohols At 299K By Using Ultrasound” in International Journal of Applied Engineering Research, Vol 10, No.55, 2015. Page no. 4281-4285.

Mr. G.R.Balaji, Mr.K.Mathan Kumar, Mr.M.Prahakaran and Dr.A.Prathima Department of Physics were completed the Latex Test of certificates for completion of Latex Training organized at Syed Ammal Engineering College on 4th Mar. 2015.

Mrs. B.Jayalakshmi, Associate Professor, Dept. of Chemistry has published a paper on the title “ Depletion Of Groundwater Quality - A Statistical Analysis On The Groundwater Quality Of Edamalaipattipudur Areas Of Tiruchirappalli District, Tamilnadu, India” in World Journal of Pharmaceutical Research, Volume 3, Issue 5, 542-551, Jan.2014.

Mrs. B.Jayalakshmi, Associate Professor, Dept. of Chemistry has published a paper on the title “ Interpretation Of Potable Water Quality In Mettur Taluk, Salem District, Tamil Nadu, India Using Multivariate Analysis” in World Journal of Pharmacy and Pharmaceutical Sciences, Volume 3, Issue 7, 1591-1611, June.2014.

Mrs. B.Jayalakshmi, and Mrs. S.Rajathi, Dept. of Chemistry has published a paper on the title “Statistical Interpretation And Groundwater Management Plan At The Extreme Ends Of Pamban Bridge, Tamil Nadu, India” in World Journal of Pharmacy and Pharmaceutical Sciences, Volume 3, Issue 6, 1376-1390, May.2014.

Mrs. B.Jayalakshmi, Mr. G.Veerapandian Mr. S.Musthafa Kani and G.G.Naganathan, Dept. of Chemistry has published a paper on the title “A Green Technique For Water Softening – An Economical Method Using Natural Sand Material In Irumeni Area, Ramanathapuram, Tamil Nadu, India” in World Journal of Pharmacy and Pharmaceutical Sciences, Volume 3 Issue 7, 1524-1535, June.2014.

Mrs. B.Jayalakshmi, Associate Professor, Dept. of Chemistry has published a paper on the title “ An Investigation Of Adsorption Of Manganese (II) On To The Clay Collected From A Pond In Tiruchirappalli, India” in World Journal of Pharmacy and Pharmaceutical Sciences, Volume 4, Issue 06, 714-723, May.2015

Mr. G.Veerapandian, Mrs. B.Jayalakshmi, G.G.Naganathan, Mr. S.Musthafa Kani Dept. of Chemistry and Mr. G.R.Balaji Dept. of Physics has published a paper on the title “Inhibition of mild steel Corrosion in Natural Chloride Medium by a Mixture of Zinc Phosphate, Ammonium Molybdate and imidazole and 2-methylimidazole” in International Multidisciplinary Research Journal, Golden Research Thoughts, Volume 4, issue-10, page 1-7, April.2015.

Mrs. B.Jayalakshmi and Mr. G.Veerapandian, Department of Chemistry were completed the Latex Test of certificates for completion of Latex Training organized at Syed Ammal Engineering College on 4th Mar. 2015.

Mr. A.G.Vadivelan, Assistant Professor, Department of English has published two papers on the title “A study of Alienation in Anita Desai’s Select Novels” and “clustering uncertain Data Based on probability Distribution Similarity” in ICAAET, 2015, at Syed Ammal Engineering College, Ramanathapuram.

Mr. A.G.Vadivelan has published on online journal entitles “A study of Genders’ correlation in select work of Anita Desai” ISSN=2231_4172.

Mr. A.G.Vadivelan, Ass.Prof., Department of English, has acted as a Resource person in the one day national Workshop title on “Steps to learn English as easy” conducted by Sonai Meenal Arts & Science College, Mudhukulathur on 08/10/2015.

Mr. A.G.Vadivelan has completed the Latex Test of certificates for completion of Latex Training organized at Syed Ammal Engineering College on 4th Mar. 2015.

Entrepreneurship Development Cell

Entrepreneurship Development Cell of our college was established with the AICTE grant of Rs.4.5 lakhs for the purpose of enhancing entrepreneurship awareness among the student communities.

Vision

To emerge as a centre of Excellence in the field of entrepreneurship promotion and to act as a catalyst in transforming employable to entrepreneurial communities by translating latent ideas into viable enterprises



Mission


To be an acknowledged part by prospective, competent entrepreneurs and committed to entrepreneurship education and training, through competitive, self motivated and self driven practices

Objectives

1. To transform students as entrepreneurs after their graduation
2. To create awareness on entrepreneurship among student.
3. To inculcate entrepreneurial spirit and culture among Engineering and Management graduates
4. To develop entrepreneurship student groups and to motivate them to start up their business.

Activities for the period 2014 to 2015

Date	Name of the Programme	Resource Person	Photo
21.2.2014	One day Awareness programme on Entrepreneurship Opportunities for women- Challenges and Strategies	Prof.Dr.N.Manimekalai Director & Head Department of Management Studies Bharathidasan University Tiruchirappalli	
27.2.2014	Experience Sharing Session	Mr.V.Neethi Mohan Chairman & Managing Director Vaigai Rice Bran Oil Madurai	
12.09.2014	Overseas Business opportunities	Mr. Antony Sahaya Raj Talent Management Consultancy Madurai	

29.01.2015	Role of banker for Entrepreneur	Mr.K.N. Subramanian Divisional Manager, Canara Bank, Madurai. Mr.M.Gandhi Senior Manager Canara Bank Ramanathapuram	
24.03.2015	Interaction with an Entrepreneur	Mr.Nallamuthu Managing Director Ragam Cars Ramanathapuram	
25.03.2015	An Experience Sharing Session	Mr.Mujibu Rahman Managing Director Asian Housing Material Pvt., Ltd., Ramanathapuram	
26.03.2014	Entrepreneurship Motivation Programme	Mr.Raja Ram Pandian Managing Director BRN Motos Ramanathapuram	
05.03.2015	Entrepreneurial Opportunities in Apiculture	Mrs.Josephine Selvaraj VIBIS Natural Bee Farm Madurai	
13.04.2015	Programme on Career Development	Mr.Vinoth, Alumni, Indian Institute of Management (IIM) Ahmedabad	
29.07.2015	Youth Entrepreneurial Summit 2015 at Maduri	Organized by ICT Academy, Chennai	

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