



STELLA MARYS COE Newsletter – Monthly

STELLA MARY'S COLLEGE OF ENGINEERING

Aruthenganvilai, Kallukatti Junction, Azhikal Post, Kanyakumari District – 629 202.
(Approved by AICTE, New Delhi and Affiliated to Anna University, Chennai)

Vision

We particularly strengthen the opportunities for consistent self-actualization of our students, so that they remain highly motivated to succeed. Rather than waiting to provide the knowledge base in renewable energy in the future it is our goal to establish the framework for generating engineers who will be committed to developing the best sources of alternative energy systems and develop their own entrepreneurship endeavors in this field. It is our goal to educate our students with a keen awareness of the future engineering and energy needs of the world.

Mission

Our mission is to serve our region, the state and the nation through our innovative education programs in engineering, designed to give our students the competitive edge they need to secure best job opportunities nationally and internationally and to build their careers with a lifelong passion for development, growth and optimal use of their potentials.

Our beautiful campus situated near the culmination point of Arabian Sea, Bay of Bengal and the Indian Ocean, evokes a keen sense of respect for the environment and service to all sentient beings. Most of our students live on campus in modern, safe and aesthetically constructed student dorms. The guidelines for living and learning at Stella Mary's College of Engineering are purposefully designed to develop a personal paradigm that is devoted to the mastery of needed life skills for success, service, and life-long learning and respect for the planet.

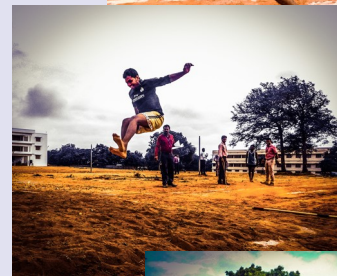


COLLEGE DAY

Annual day is a grand ceremony day we celebrate and remember the previous achievements and 100K forward to the journey ahead. The stage was set in the open ground near the first year block for unveiling the journey with colourful light and awesome sound system. The day started with a prayer song by the college choir to invoke the almighty at the beginning. With the divine benediction next programme was followed by a welcome address by our dynamic director P. Ranjitham. This was followed by lighting the kuthuvilaku of the dignitaries on the dias. Introduction of the chief guest was done by III year CSE student Ms. C. Christena. Mr. A. K. Pattabi Raman was the chief guest he addressed the crowd and gave the importance of the recent technology. Besides he said that technology would not survive if it does not come to the market. He insisted the students to learn the new technologies. Dr. Nazerath Charles, Ex. Indian Navy expressed his view about the college that the aim of starting Stella Mary's College of Engineering is to educate the down trodden people. He also stressed the quote "Teacher to teach and student to learn". Our principal Dr. Suresh Premil Kumar felicitated the gathering by his thought provoking speech. This is followed by student's rewards & recognition and the awards were given by Dr. Pattabi Raman for outstanding academic performances during the academic year 2015-2016, our chairman conferred the cultural event prizes to the students. Vice chairman rewarded the students for their best projects. Vote of thanks was delivered by Mrs. T. Manjula, Department of English. This was followed by an array of cultural events where students gave impeccable performances through multiple dance forms, mime and stand-up comedy.

SPORTS DAY

Stella Mary's college of Engineering organized a one day Sports day for the students, on 26th of July 2016. Its objective was to develop the sporting spirit of the students and to display their physical prowess. The day was scheduled to begin at 1: 15pm at the college campus, where the students assembled near the hostel ground. The inauguration commenced at 1: 15pm with an invocation song. This was followed by a welcome and inaugural speech by our Director Mr. Renjitham, and he declared the sports day open. The students of the college were divided into 4 pools of 50 each with a faculty guide for each team. Names were given to each group as A, B, C&D. 100,200 and 4x 100m race for both boys and girls was organized. The much anticipated mixed relay race was followed by shot put, Javelin and discus throws for both boys and girls. Long jump, High jump and triple jump events were conducted for boys and girls. After announcement of the winners by Ms. Merlin Sheela the medals and certificates was distributed to the winners of each event by our CEO Mr. Carol Judeson, our Vice-chairman Mrs. Sumitha Charles Judeson and Director Mr. Rengitham. Overall best performance in all events was also awarded and the winning team was also applauded. The prize distribution ceremony was completed by 4:30pm, and was completed with a photo session.



ACHEIVEMENTS/AWARDS/HONOR

CSE

M. Sahaya Nishanthini, 1st prize in “Tech Connect Contest” organised by Arunachala College of Engineering for Women, 16 March 2016.

K. Kaviya, V. Anugraha, 3rd prize in “Effection machine to machine communication in grid networking” Technical Symposium organised by Arunachala College of Engineering for Women, 16 March 2016.

ECE

A. Monisha, 1st prize in technical symposium on nano tree for novel energy harvest technology organized by cape institute of technology.

A. Monisha, 2nd prize in technical symposium on production of electricity from nano leaves organized by vins college of engineering and winner in quiz competition.



A. Monisha, 2nd prize ,Nano Tree - The latest Renewable Energy Resources, Ponjesly College Of Engineering, 20 August 2016.

B. Devi Dhanusha, T. Sree Devi, 2nd prize in technical symposium on constructing sub array with short interconnections from degradable VLSI arrays, organised by Rajas international institute of technology for women.

MECH

G. J. Anish, 3rd prize in “National Design Competition”, Hyderabad organised by CADD Centre, 26 March 2016.



PAPER PUBLICATION IN JOURNALS

EEE

Mr. M. R. Saravanan, A. J. Vijay have submitted a paper on “A new design grid tie inverter with the incorporation of MPPT based module for a grid interactive Solar Photovoltaic Power Generation” to a renowned journal “Solar Energy Sociey of India (SESI)”.

Mrs. R, Reena Daphne has submitted a paper on “An Innovative Optimization Technique for Drowsiness Detection based on feature Extraction, Capitalizing Neural Network and Sparse Classifiers” on “Medwell Journals and Asian Journal of Information and Technology” on 31th April 2016

MECH

Mr. F.Michael Raj, V.A. Nagarajan, S. Sahaya Elsi, “Mechanical, Physical and Dynamical properties waste fish net and glass fibre hybrid composites”, Polymer Bullet in 1783(10).

CHEMISTRY

Dr. V. Ramini Bai Published a paper named "Sediment Quality in Sand Mining Areas of River" in the Indian Journal of Environment Protection in July 2016.

PAPER PRESENTED ON CONFERENCES**CIVIL**

J. Karishma, R. Raja Priya, "Solid Waste Management", Bethlahem Institute of Engineering, 05 March 2016.

R. Thanga Lekshmi, Shefino. G. Sekhar, "Green House Building", Bethlahem Institute of Engineering, 05 March 2016.

CSE

V. Anugraha, K. Kaviya, "A Robust pair wise and group key management protocol for wireless sensor Network", DMI Engineering College, 10 March 2016.

J. Nagorin, Sheeba Ann Thomas, "Effecton machine to machine communication in smart card network", DMI Engineering College, 10 March 2016.

ECE

Theres Susmi. T, Pradeepa. V, "Fully Reused Vlsi Architecture of Fm0", Bethlagem College of Engineering, 19 March 2016.

Asmi .A, Stena Arul. A, "Vlsi Architecture Design Of H.D Video", Bethlagem College Of Engineering, 19 March 2016.

Anns Nibi Sherina. J, Tharunika P. Kumar, "Video Surveillance Wireless Sensor & Actuated Network", Bethlagem College of Engineering, 19 March 2016.

Monisha. A, Esther Rani. N, "Speaker Identification Based Automation System Through Speech Recognition", Bethlagem College Of Engineering, 19 March 2016.

Asmi .A, Stena Arul. A, "Vlsi Architecture Design Of H.D Video", Universal College Of Engineering, 21 March 2016.

Devi Thanusha. B, Sree Devi. T, "Sub-Array With Short Interconnections Using Tightly Coupled Maximum Target Array", Universal College Of Engineering, 21 March 2016.

Monisha. A, Mini. C, "Electronic Eye for Visually Impaired by Using Nano generator", Universal College of Engineering, 21 March 2016.

Monisha.A, Mini.C, "Wireless Speaker Identification Based Automation System Through Voice Recognition", Udaya School Of Engineering, 18 March 2016.

Devi Thanusha. B, Sree Devi. T, "30 Frame/S Full-Hd Video Using Vlsi Design Guided Filter", Udaya School Of Engineering, 18 March 2016.

Theres Susmi. T, Pradeepa. V, "Fully Reused Vlsi Architecture Of Fm0", V V College Of Engineering, 30 March 2016.

Anns Nibi Sherina. J, Tharunika P. Kumar, "Video Surveillance Wireless Sensor & Actuated Network", V V College Of Engineering, 30 March 2016.

Devi Thanusha. B, Sree Devi. T, "Improved Architecture of Fused Floating Point Unit in Alu", Ponjesly College Of Engineering, 20 August 2016.

Anusha. J. V, Sowmiya .M.R, "Past, Present and Future of Mobile Communication", Ponjesly College of Engineering, 20 August 2016.

Padma Sree. R. J, Leshma Kaviya. S. S, "Survey on Free Space Optical Communication", Ponjesly College of Engineering, 20 August 2016.

MECH

R. S. Kasi Karthikeyan, G. J. Anish, "Distance calculator based on fuel level in 2 wheelers", Maria college of engineering, 18 March 2016.

K.Vickraman, A. Jinu Raj, "CNG gas on petrol fueled two wheelers", National Conference on Recent innovations in Mechanical Engineering RIM' 16, Rohini College of engineering, 30 March 2016.

I. P. Rakesh, F. Sanjay, "Modeling and scrutiny of rotavator blade", National Conference on Recent innovations in Mechanical Engineering RIM' 16, Rohini College of engineering, 30 March 2016.

R. S. Kasi Karthikeyan, R. V. Ganesh, "Effect of synthetic oil on human race", National Conference on Recent innovations in Mechanical Engineering RIM' 16, Rohini College of engineering, 30 March 2016.

I. P. Rakesh, A. Aneesh Brabu, " Conceptual design of a lightweight areca tree robot", International Conference on energy efficient technologies for sustainability 2016, St. Xavier's Catholic College of Engineering, 7 & 8 April 2016.

PAPER PRESENTED ON SYMPOSIUM**CIVIL**

Josema Koshy, J. Karishma, "Nano Technology and its applications in Civil Engineering", Mar Ephraem College of Engineering and Technology, 19 August 2016.

R. Raja Priya, M. Kavitha, "Solid Waste Management", Mar Ephraem College of Engineering and Technology, 19 August 2016.

R. Thanga Lekshmi, Shefino. G. Sekhar, "Green Home", Mar Ephraem College of Engineering and Technology, Marthandam, 19 August 2016.

Shefino. G. Sekhar, M. Lavanya, "Advanced Technologies in Green Building", St. Xavier's Catholic College of Engineering, 01 April 2016.

CSE

Sheeba Ann Thomas, B. Ajitha Begam, "A Robust pair wise and group key management protocol for wireless sensor Network", Arunachala College of Engineering for Women, 16 March 2016.

V. Anusha, M. Sahaya Nishanthini, "LI-FI Technology", Arunachala College of Engineering for Women, 16 March 2016.

ECE

Benila. S, Simi Margret. M, "Electronic Eye for Visually Impaired by Using Nano generator", K.N.S.K College Of Engineering, 03 March 2015.

Jenisha Sherin. S. E, Sree Sinu. C, "VLSI Implementation of an adaptive edge enhanced color interpolation processor", Rajas International College for Women, 04 September 2015.

Simi Margret. M, Binu Bervin, "cooperative communication for cognitive radio networks", Rajas International College for Women, 04 September 2015.

Monisha. A, Esther Rani. N, "Electronic Eye for Visually Impaired Using Nano generator", Arunachala College of Engineering, 10 March 2016.

MECH

R. S. Kasi Karthikeyan, R. V. Ganesh, "Camless Engine", Cape Institute of Technology, 22 March 2016.

G. Ijaz Ahamed, E. Aldobin Arnold, Ashik Michael, "Fuel Energizer", Cape Institute of Technology, 22 March 2016.

I. P. Rakesh, F. Sanjay, “Study on Rotavator”, Cape Institute of Technology, 22 March 2016.

Antony Leno Polycarph, C. Fatin Shiju, S. Domin Daniel, E. Sahaya Milton Jenifer, “Tilting Fixtures”, Cape Institute of Technology, 22 March 2016.

R. Sharath Sekar, J. Renzou Antony Mariano, J. Sahaya Resith, S. Sajin, “Hybrid Vehicles”, Cape Institute of Technology, 22 March 2016.

J. Renzou Antony Mariano, R. V. Ganesh, “Rapid Prototyping”, J P College of Engineering, 7 October 2015.

E. Aldobin Arnold, Ashik Michael, “Hydrogen Used in IC Engine”, J P College of Engineering, 7 October 2015.



EEE

A seminar was organized in association with Technocrat Automation Solutions, Chennai on “**Industrial Automation using PLC, SCADA & DCS**”. **Mr. R. Ramachandran & Mr. Dhinesh** from the Training Institute presented the topic and students from III & IV year attended the event.

SYMPOSIUM/ SEMINARS

CSE

A National Level Technical Symposium **Smartx'15** along with the association **CETAS** on 01 October 2015. We invited **Mrs. Monica Augustine, Cisco Electronics, Bangalore** as chief guest and also we invited students from various colleges for the paper presentations.



ECE

An seminar was organised in our department on **Industrial Automation** on 24 august 2016. **Mr. Ramachandran, Mr. Dinesh** application engineer technocrat, Chennai.



MECH

A National Level Technical symposium **Joule's Fezt'15** along with our association **MECHASM** opening day was held on 16 September 2015. We invited **Mr. Nambi Narayanan, ISRO** as chief guest and also we invited students from various colleges for the paper presentation and other events.



Electrical and Electronics Engineering Mini Projects



Battery charging system



Mobile phone charging from free air



Electric vehicle driving control system



College Bell Timer Management System



Decentralised PWM based Solar PV lightning System

Mechanical Engineering Mini Projects



Oxygen refilling sensor



Reverse gear mechanism



Multipurpose cylindrical fixture



Areca tree gripper



Dual power cutting machine



Tilting fixture



Four way saw cutter



Solar powered wood cutter

Mechanical Engineering Mini Projects



Power operated lifting table



Solar power drilling machine



Bicycle powered windmill



Vertical axis wind mill



CNG two wheeler



Cooling tower



Bevel gear press

**ELECTRONICS AND COMMUNICATION
ENGINEERING MINI PROJECT**



Day order display

INTEPENDENCE DAY

We celebrated the independence day with our Principal, Director, faculties along with our students.



Deworming day

SPORTS

Our college chess team participated in Anna university zone-19 chess tournament organised by “James College of Engineering and Technology”, Navelkadu on 08 & 09 Sep 2015.

Our college badminton team participated in Anna university zone-19 badminton tournament organised by “Maria College of Engineering”, Attoor on 01&02 Sep 2015.

Our college table tennis team participated in Anna university zone-19 tournament organised by “James College of Engineering And Technology” on 17&18 Aug 2016 and won the 3rd place.

Our college badminton team participated in Anna university zone-19 badminton tournament organised by “St.Xavier Catholic College of Engineering”, Chunkankadai on 23 & 24 Aug 2016 and won the 3rd prize.





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