

VOLUNTARY BLOOD DONATION CAMP AT MARIAN ENGINEERING

Give the gift of life.
Donate blood



Red Ribbon Club of Marian Engineering College conducted a voluntary blood donation camp for this year on 11th February 2016. The camp was conducted in association with Varsham Social Circle of SBT Kazhakkuttom Branch and was supported by HLF PPT (Hindustan Latex Family Planning and Promotion Trust) and Kerala State Aids Control Society. Blood banks from Women and Children Hospital Thycad and Sree Chitra Tirunal Institute of Medical Science and Technology (SCTIMST) Trivandrum participated in the camp. The camp was inaugurated by Msgr. Very Rev. Fr. A. George Paul in the presence of Sri. Kuriakose - Branch Manager SBT Kazhakkuttom.

The camp was conducted at Bishop Benziger Hall in the administrative block. It started at 9.30 am. There were ten beds arranged for the two blood banks. The medical team consisted of 19 members which include 3 doctors, 80 students and 4 staff members donated blood. About 90% of blood donors were from Eighth semester. The camp ended at 1 pm.

Refreshments and lunch were provided by SBT Kazhakkuttom Branch. All blood donors after donation were given snacks. The lunch for Medical team was arranged by SBT and for volunteers it was arranged in the college canteen. The materials for publicity including flexes, posters were designed by final year students. Kerala State Blood Transfusion Council also distributed donor certificates.

The camp was coordinated by Mr. Anoopkrishna.C (Assistant Professor) & Pratheek M (Assistant Professor), Department of Mechanical Engineering and Ms. Sajini Nirmal (Assistant Professor, CSE) and Ms. Greeshma T (Assistant Professor, CE).



BRIDGE COURSE- 2016

BRIDGE COURSE 2016 WAS CONDUCTED FROM 20TH JUNE TO 15TH JULY, 2016.

The inaugural function was presided over by Very Rev. Msgr. George Paul, the Manager of our college and Prof. Tomy Michael, Principal of our College, chaired the function. Nearly 35 students attended the classes regularly. Almost all of them joined for the B.Tech Course in our college itself. 20 Teachers conducted classes for the subjects namely Mathematics, Physics, Chemistry, Engg. Mechanics, Basic Civil Engineering, Basic Electrical Engineering, Graphics, English and Personality Development. Akash Nair and Sreejith S. scored 95% for the Mathematics Test conducted. Students took initiative to conduct the valedictory function on 15th July, 2016. Prizes were distributed to the students who scored top marks in the test papers and also for those who secured 100% attendance.

Dr. J.W. Christal Flory, Course Coordinator

MARIAN BASKETBALL 2016



Marian Engineering College organized the 9th Marian Basketball Tournament on 15th, 16th & 17th of March, in which 8 teams from different colleges of Kerala took part. The tournament was inaugurated by Fr. Reni Rudolf, Bursar of Marian Engineering College. The final day of the tournament was cherished by the presence of the former India International Basketball player Mr. K.M. George, the Superintendent of Kerala Police who is now the chief security staff of the Governor of Kerala. He has won the President's Award for his dedicated service.

The basketball team of Marian Engineering College in the year 2015-16 represented various tournaments including inter-university basketball championship of the University of Kerala. The team entered in the semi finals and was defeated by College of Engineering, Trivandrum basketball team. On the basis of performance on 30th and 31st of October, two of our players were called for the trials of the selection of the University team. The members called to participate in the selection trials were Tony Syriac and Akshay. Marian Engineering College basketball team became the runners up of this tournament with two points short of the winners and bagged the trophy and cash prize of 5000 rupees. In addition, we have secured second place in the basketball tournament organized by TKM Engineering College.



The Chief Security Staff of the Governor of Kerala (Former India International Basketball player Mr. K.M. George, the Superintendent of Kerala Police)



The Basketball Team of Marian Engineering College @ 2015-2016

MEC CSE 2003 – 2007 BATCH ENDOWMENT FUND DOES HELPING OTHERS LEAD TO HIGHER LEVELS OF HAPPINESS??

It has been pointed out that happier people give more indeed causing greater happiness. They say that helping others can take countless forms, from giving money to charity, helping a stranger, having deep-rooted empathy or even a desire for public recognition. It is indeed proven that giving help to others may improve physical health and longevity and that it helps decrease stress also. It promotes cooperation, social connection and evokes gratitude that is integral to happiness, health, and social bonds. These things make a person optimistic and feel better in their lives. It can also be pointed out that an endowment given or received can elicit feelings of gratitude. This makes a person more optimistic and feels better about their lives as well thereby strengthening a sense of connection as well. It can be seen that such actions reinforce kindness and strengthens bondage between one another.

In today's world when the world criticize the new generation for not realizing the value of relationships, lack commitment and being ungrateful where youngsters are often branded as technology freaks, there is a different story altogether. A group of students thought in the other way to break the conventional tag about them. They came forward to do something valuable for promoting Education. As the world has turned into a global village where technology is at its best, they decided to use technology for the uplifting the under privileged. The whole idea got conceived, formulated and implemented using WhatsApp. Not even a single phone call was needed to spread the idea. The idea was nothing but to remember their alma-mater and contribute towards the well being of the college.

The idea got a quick acceptance among friends and the 2003 – 2007 Batch Alumni students of Computer Science and Engineering handed over an Endowment Fund to the College on 17/09/2016, the first ever in the History of Marian by any class. They had a very clear notion that the amount they collect should reach the needy. In quick time the batch amassed an overwhelming 1.15 Lakhs for the Endowment Fund. The Name of the Endowment Fund is "MEC CSE 2003 – 2007 Batch Endowment Fund".

This Endowment Fund will be maintained in a fixed deposit by the College and the Interest of the Fixed Deposit will be used to fund one of the academically good but financially backward students. The student will be a Third year student of the CSE Department and will be chosen by the HOD and Faculty Advisors of the Third Year students of the CSE Department.

The Marian family is so proud of such an endeavour where the alumni contributed towards education in a very big manner. The college is proud and happy of the generosity shown by the alumni students. YES, indeed helping others lead to higher levels of happiness.

'THOUGHT OF THE MONTH'

One day a professor entered the classroom and asked his students to prepare for a surprise test. They waited anxiously at their desks for the test to begin. The professor handed out the question paper, with the text facing down as usual. Once he handed them all out, he asked his students to turn the page and begin. To everyone's surprise, there were no questions....just a black dot in the center of the page. The professor seeing the expression on everyone's face told them the following:

"I want you to write what you see there."

The students were confused and started the inexplicable task.

At the end of the class, the Professor took all the answer papers and started reading each one of them aloud in front of the students. All of them with no exceptions described the black dot, trying to explain its position in the middle of the sheet, etc. etc. etc. After all had been read, silence prevailed in the classroom and the professor began to explain:

"I am not going to grade you on this but I just wanted to give you something to think about. No one wrote about the white part of the paper. Everyone focused on the black dot – and the same happens in our lives. We have a white paper to observe and enjoy, but we always focus on the dark spots. Our life is a gift given to us by God, with love and care, and we always have reasons to celebrate – nature renewing itself every day, our friends around us, the job that provides our livelihood, the miracles we see everyday....."

However we insist on focusing only on the dark spots – the health issues that bother us, the lack of money, the complicated relationship with a family member, the disappointment with a friend etc

The dark spots are very small compared to everything we have in our lives, but they are the ones that pollute our minds. Take your eyes away from the black spots in your life. Enjoy each one of your blessings, each moment that life gives you.

Be Happy and Live Life Positively!



Engg. College Code
MCE



Arch. College Code
MCR

ISO 9001 : 2008 Certified

MARIAN MOMENTS

TRIVANDRUM LATIN ARCHDIOCESAN INSTITUTION

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INSTITUTION VISION & MISSION

VISION

"We envision an outstanding centre of learning and research, promoting academic excellence and ethical standards among staff and students, who are committed to the building of a just and humane society."

MISSION

"We commit ourselves to provide quality Engineering Education as a vehicle to enable every student to reach highest level of personal, academic, career/professional and spiritual goals, enabling them to contribute to the welfare of one and all."



2003 – 2007 Batch Alumni students of Computer Science and Engineering handing over an Endowment Fund of Rs 1.15 Lakhs, to the College on 17/09/2016.



Honorable Minister Kadakampally Surendran and Honorable MAYOR V.K. PRASANTH along with the whole college taking an oath at the concluding ceremony of ENVIRONMENTAL CELEBRATION DAY 2K16, 'To protect our Mother Nature', on 30th June, 2016

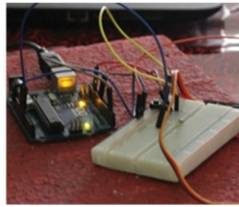
ENVIRONMENT DAY CELEBRATION 2016



Environment day celebration was conducted at Marian Engineering College on 30th June, 2016. Hon'ble Minister, Kadakampally Surendran inaugurated the Eco Hut and Hon'ble Mayor Mr. V.K. Prasanth inaugurated the Plastic Garden made by the Final year Mechanical Students of 2013-2017 batch.

DEPARTMENT OF ELECTRONICS & COMMUNICATION

PROJECT 2016 EXPO



|||| The Department has organized a 'Project Expo' on 19th August, 2016. ||||



The First Prize was awarded to Emy Mary Mathew, Shebha Mol, Sneha Sebastian and Abhinav M. P, for the project titled 'HAND LORM GLOVE'.



The Second Prize was awarded to Adithya Suresh M, Anju A J, Madhumita R and Thampuratti Lekshmi Raja for the project titled 'SMART TROLLEY'.



The Third Prize was awarded to Abhijith Mohan, Rithu Mathew, Nithin Ignatius and Reshma J. for the project titled 'SMART GAS SYSTEM'.

INTERACTIVE SESSION WITH DIGNITORIES

- An Interaction Session with Mr. Abin N.A (Project Manager, Quest Global, Technopark, 2001- 2005 Batch, ECE Student) was organized by the Department for the final year students (S7, ECE) on 26th July, 2016 where he shared his life experiences regarding school, college and as a professional. The discussion was oriented on taking up responsibility for Campus Placement in and outside the campus.



Mr. Abin N.A interacting with the final year students of the department.

- On 26th July, 2016 another Interaction Session by Shijin Shaji(2010-2104 Batch, AEI student) who is currently doing his MS in Melbourne University interacted with the students and gave them views regarding PG programmes and research activities in the Melbourne University.



Mr. Arun J.E (JE, BSNL) discussing on the topic 'FTTH' (Fiber to the Home)

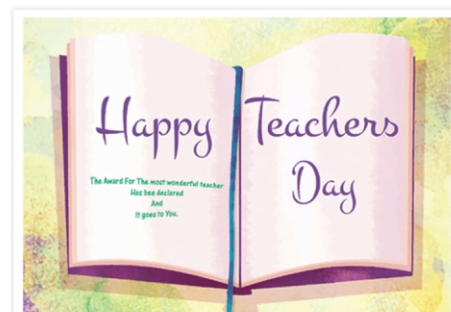
- The Department of ECE has organized an invited talk session by Mr. Arun J.E (JE, BSNL) on 27th July, 2016. The topic of discussion was 'FTTH' (Fiber to the Home). The final year students are doing the subject 'Optical fiber Communications along with the Optical Communication Lab'. Mr. Arun had covered the complete syllabus of their study with various applications in the field of Fiber Optics.



Mr. Noble Miller delivering a session on 'Grab Exciting Careers'

- Mr. Noble Miller (MSW,LLB,Trainer & Career Coach, Director of Human Resources Development Council ,TVM) had taken an excellent session on ' Grab Exciting Careers', where-in-which he gave an insight about the multiple options after Engineering . He rendered a detailed study about the various Government Service opportunities, Private Service opportunities , Public Corporates , Higher Studies, Bank Services as well as Foreign Services . This session was a real eye-opener for the final year students to grab exciting careers.

- Dr. Sabu M.Thampi, conveyed an exceptional session on 'Machine Learning in Cyber Security', with details about the top 5 social media attacks & how the software works on various malwares. The final year students got a chance to visualize Cyber security



Dr. Sabu M.Thampi , discussing about 'Machine Learning in Cyber Security'.



'National Conference on Emerging Trends In Electronics & Communication'- NCEEC' 16 on 23RD March 2016

The department conducted a 'National Conference on Emerging Trends In Electronics & Communication'- NCEEC' 16 on 23RD March 2016. The main events of the conference were paper presentation for PG Students and invited talk by Mr. ROY M. JACOB, ITS (CHIEF GENERAL MANAGER, BHARAT BROADBAND NETWORKS, DEPT. OF TELECOM, GOVT. OF INDIA) for UG Students of the department.



A team of 3 members namely Ms. Shebha Mol of S7 ECE, Ms. Parvathy K.U of S7 EEE, Mr. Poojith Cherukkattil of S7 CSE attended a Presentation Competition on ' Remote Sensing Enabling the Future' at ISRO. Out of 16 colleges who participated the above team from MEC secured 2nd Place . They were awarded with College Trophy and Certificates.

SPORTS @ MARIAN



SPORTIVE EVENTS OF THE YEAR 2016

EVENT	NAME	VENUE	POSITION, if any	DATE
Basketball	Team	TKM	2 nd Place	April 7 to 12
Basketball	Team	MOHANDAS Engg. Coll	3 rd Runner UP	April 20 to 24
Power Lifting	Anand Vinod	Pathanamthitta	9 th Place	May 3 to 4
Best Physique	Savio Sunny	St. Thomas Engg. Coll	1 st Place	April 1 to 3
Football	Team	Attingal Engg. Coll	2 nd Place	April 22 to 25
Football	Team	Rajadhami Engg. Coll	2 nd Place	April 28 to 30
Shuttle Badminton	Team	CET	Nil	Sep 27 to 30
Squash	Jubet Joseph	University of Kerala	Quarter Finals	Sep 23 to 24
Cricket	Team	St. Xavier's Coll. Thumba	Quarter Finals	Sep 02 to 30



The Marian Engineering College team that won the football tournament organised by the Government Dental College at Medical College Ground here the other day.

Marian Engineering College wins tourney

Marian Engineering College, Kazhakoottam defeated University College, Thiruvananthapuram in penalty shootouts to win the open football tournament organised by the Government Dental College, Thiruvananthapuram at the Medical College Ground here the other day. As many as 18 teams from across the state participated in the tournament which saw the Marian team emerge victoriously.

Wed, 19 October 2016
appara, newindianexpress

DEPARTMENT OF BASIC SCIENCE

Extraction is an analytical procedure in which analytes are removed from a matrix and transferred to an extraction medium. Selective extraction of analytes is based on the difference in their physical and chemical properties such as molecular weight, charge, solubility, polarity or differences in volatility. Extraction always involves mass transfer from one phase to another. Principles of extraction are used to advantage in everyday life. For example, in as simple a task as making a cup of tea. Solvent extraction is one of the oldest methods of separation known; the science of which has evolved over a long period of time.

In the analysis of solid samples, the method of extraction is regarded as a crucial step in the sample preparation. Classical sample preparation techniques that rely on extraction with solvents such as liquid-liquid extraction, sonication, Soxhlet extraction and other methods have been used. However these traditional methods may often be time consuming with low extraction efficiency and also require large volume of non-environmental friendly organic solvents. In recent years, there is a steady progress in extraction technology with the development of new and simpler sample preparation methods such as super critical fluid extraction (SFE), microwave assisted extraction (MAE), pressurized liquid extraction (PLE) and pressurized hot water extraction (PHWE).

To reduce the usage of organic solvents, PHWE is a feasible green solvent extraction method as it utilizes pressurized water at elevated temperature and controlled pressure conditions. The term "pressurized hot water" is used to denote the region of condensed phase of water between the temperature ranges of 1000C (boiling point of water) to 3740C (critical temperature of water). Other common terms such as "super heated water", "near critical water", "subcritical water", "high temperature extraction" and "extraction using hot compressed water" have also been used.

Water is a unique solvent because of its highly hydrogen bonded structure. At room temperature it has a disproportionately high boiling point for its mass, a high dielectric constant and high polarity. Hence traditionally water is not considered as a suitable extraction solvent for non-polar or organic compounds at room temperature. However when the temperature of water is raised above its atmospheric boiling point while maintaining it as a liquid by applying pressure, its physical and chemical properties change quite dramatically. For instance there is steady decrease in its permittivity, viscosity and surface tension but an increase in its diffusivity characteristics. With enough pressure to maintain water in the liquid phase at elevated temperature, the initial value of the dielectric constant (ϵ) of 80 at 250C decreases to 27 at 2500C and 50 bars. This lies between those of methanol ($\epsilon=33$) and ethanol ($\epsilon=24$) at 250C. Under these conditions, water behaves like certain organic solvents which can dissolve a wide range of medium to low polarity analytes. In addition to being tunable in terms of properties merely by changing its temperature, water is environmentally friendly and non toxic and it can easily be obtained and disposed off. Hence PHWE has steadily become an efficient and low cost method of extraction for less polar organic components from environmental soil, sediments and plant materials.

The main parameters that influence the selectivity and extraction efficiency of PHWE include temperature, pressure, extraction time, flow rates and modifiers / additives. The major applications of PHWE is extraction of nutraceuticals (any substance that may be considered a food or part of a food, and provides medical or health benefits , including the prevention and treatment of disease) and bioactive compounds from food and herbal plants and also from environmental samples. The scaled up PHWE could remove more organic contaminants from larger amount of food stuff samples to increase the productivity in food safety analysis. Other potential applications include the coupling of PHWE with chemical fingerprints and pattern recognition tools to aid in quality control of medicinal plants, improve the nutritional value of food crops or produce a potential lead for drug discovery purposes.



Ms. Ragi S Robert
Asst. Professor

ACTIVITIES OF THE ANTIDRUG CELL

The goal of the cell is to contribute to safer and healthier communities through coordinated efforts to prevent use, treat dependency, and reduce production and distribution of illicit drugs. The main objectives of the antidrug cell is to prevent youth from using illicit drugs by enhancing their awareness and understanding of the harmful social and health effects of illicit drug use; and to develop and implement community-based interventions and initiatives to prevent illicit drug use.



Inauguration of Antidrug Cell on 21st January, 2016 by Sri. P. Jayarajan, Joint Excise Commissioner, Internal Audit Wing, Kerala



First Prize Winner , Ms. Parvathy K.U of S6, EEE for the presentation on 'Use of Drug Effects'



Seminar on 'Drug Abuse and its Consequences' by Dr. Arun. B. Nair, Assistant Professor, Psychiatry, Medical College.



Anti Drug Oath by Principal, Bursar, Staff members and Students in the presence of Sri.P Jayarajan



NSS ACTIVITIES @ MARIAN ENGINEERING COLLEGE

The State NSS (National Service Scheme) Technical Cell had allotted an SFU (Self Financing Unit) to our college in March 2016. Mr. Deepu R.S, Assistant Professor, Department of Electrical and Electronics Engineering was appointed as Programme Officer of NSS unit. Currently we have fifty NSS volunteers from second year students. Government of India launched a project named National Digital Literacy Mission. This mission envisaged that the people of all Local Self Government areas shall become digitally literate before International Literacy Day on 8th September 2016. NSS has taken over this mission all over India. Our NSS unit also took part in this mission by conducting a workshop on NDLM project under the leadership of Dr. Nisam, the Technical Consultant of State NSS Technical Cell.



DEPARTMENT OF ENGLISH

Tips for Good Communication

Good Communication isn't just about speaking fluently but also about speaking coherently, taking the situational cues into account. Hence we can understand that only a clear thinker can be a good communicator. Here are few tips which can help you become effective communicators, especially in an organizational setting. Try asking these simple questions to yourself before communicating and tailor your message accordingly:

Who? Who are you communicating to? Is the person your classmate, colleague, authority or subordinate?

Why? What is your purpose? Is it to inform, request, question or delegate?
How? Have you thought how to present the idea in the best way you could to get the intended result?

Which & What? While communicating, have you prioritized, as which message is to be taken up first and what is to be emphasized? When asking doubts in an interview setting, starting by enquiring about the number of leaves available can create a lasting impression on your employer; but a negative one at that.

When? Are you sure that the context is suitable to take up the conversation? You don't want to brag about your 'A's, when your friend has just found out that he has failed. Neither do you approach your authority when he/she is super-busy. Do you?

Where? Are you in a setting where you can take up the idea? A picture of a student who attended his teacher's wedding reception to get his record book signed has been around recently (Yes, you read it right). Bad move, indeed.

Tell me...? This is the golden rule. Be a good listener. Pay attention and try to understand what the other party wants to say. While at college, a friend of mine went to a physician to get her ear ache fixed. The doctor asked her. "Which ear?" We were amused to hear her reply "2nd year". It pays to listen.

Try these tips out and feel the difference.....

Dia Therese Jose
Soft Skills Trainer

FACTS
&
IRONY
OF
LIFE

- When flood comes, fish eats ants and when flood recedes, ants eat fish. Only time matters. Just hold on. God gives opportunity to everyone.
- In a theatre when drama plays, you opt for front seats. When film is screened, you opt for rear seats. Your position in life is only relative. Not absolute.
- For making soap, oil is required. But to clean oil, soap is required. This is the irony of life
- Every problem has (N+1) solutions: where N is the number of solutions that you have tried and 1 is that you have not tried.
- When you are in problem, don't think it's the End. It is only a Bend in life.
- Only two categories of people are happy in life - the Mad and the Child. Be Mad to achieve a goal. Be a Child to enjoy what you achieved
- There is no Escalator to success, Only Steps.

MARIAN AWARD FOR TECHNOLOGY EXCELLENCE – MATE 2016

The Grand Finale of Marian Award for Technology Excellence (MATE) 2016 was conducted at Bishop Benziger Hall on 3rd October, 2016. As many as 8 teams from different educational institutions in and around the state fought it out on the final for the prestigious national award comprising a cash prize, a memento and certificate. The team from Sahrdaya College of Engineering, Thrissur won the first prize of Rs. 75,000/- for the project titled Smart Aid for Autistic Care; and the team from Mar-Baselios College of Engineering and Technology, Trivandrum bagged the second prize of Rs. 25,000/- for the project titled Automatic Vehicle Control using Visible Light Communication.

IEDC ACTIVITIES

Marian Engineering College has always given importance to solve the unemployment problem, in line with the policies of the central and state government. Even though a good number of students are recruited by companies visiting the campus, the main aim of the IEDC cell is to make the students employable and capable of starting their own business. Any idea put forward by the students on product development, are encouraged by us and all facilities are provided for further study at the R&D lab of the college. The College has set up an IEDC Centre and has got affiliation with the Techno Park TBI. Ever since the state government has established Kerala Startup Mission (KSM), the facilities at the college have been streamlined in accordance with KSM.

In order to inculcate Entrepreneur culture among students, the following activities are carried out by our College, in the year 2016:

1. Training session on 'Innovation and Product Development', was conducted by Prof. Sherin Sam Jose on 1st, 2nd and 4th February 2016.
2. The Nodal Officer has undergone two day training programme at Amal Jyothi College of Engineering on entrepreneurship, fund utilization, product development, patenting and KSM activities.
3. Marian Technology Innovation Contest was held for the entire students of Marian on 3rd March, 2016.
4. Entrepreneurship awareness camp was conducted on 18th March, 2016 by Mr. Rajan Nair from EDII & Mr. Vishal from KSM Technopark.
5. Programme on 'Creative Thinking' was conducted for the students of Marian Startup Boot Camp on 4th April, 2016.
6. Few faculty and students, attended the program 'Meet the Leader', organized by HLL at Aakulam, TVM on 21st May, 2016.
7. FDP on IoT was conducted on 14th & 15th July, 2016.

FACULTY DEVELOPMENT PROGRAMME ON 21ST July 2016, by Rtd .D.G.P. Shri. Alexander Jacob

A Faculty Development session was organized by the institution for all the members of Faculty across all disciplines. The Resource Person for the session was Rtd .D.G.P. Shri. Alexander Jacob. The programme started at 10.00am, following a brief welcome and introductory address by Msgr. George Paul, the Manager of Marian Engineering College. The crux of the session was to enlighten the teachers about the importance of their vocation. Shri. Jacob started by explaining about the significance and respect accorded to teachers across civilizations viz, the Egyptian, Greek, Babylonian, Chinese and Indian civilizations. He also threw light on the methods used by great teachers like Jesus Christ, Socrates, Plato, Swami Vivekananda etc and the message one could take from their lives. Shri. Jacob explained about certain food habits beneficial for teaching and learning. He also stated the qualities of a student and how teachers are observed by and influence them. He went on telling as how valuable the role of a teacher is and how their words and deeds spread across generations and thereby to posterity. Shri. Alexander Jacob concluded his session, exhorting all the teachers to rise to their calling. The session ended at 12.45pm.



'LABYRINTH 2016' - COLLEGE DAY CELEBRATIONS ON 1st APRIL, 2016

With the presence of the Great Indian Violinist Balabhaskar (Composer and Record producer who is best known for promoting fusion music in South India.) the College Day Celebrations was made Ceremonial.

Sweet and melodious prayer song led by the college choir gave divine flash to the gathering. The Manager **Msgr. A. George Paul** welcomed the distinguished gathering. **Prof. Tomy Michael**, Principal, in his annual report, unfolded the events of the year and when he mentioned about the high number of pass percentage in S7 University results, jubilant students recognized the service of the Marian Faculty with loud applause.

In his Inaugural address, Auxiliary Bishop His Grace, **Rt. Rev. Dr. Christudas** appreciated the sincere service of the staff members. He enlightened God's manifold gifts, showered on new generation professionals and encouraged them to comeout with new innovations.

Rev.Fr.Reni Rudolf, Bursar, congratulated the students for their wholehearted cooperation and thanked one and all for crediting name and fame to the Marian family.

This was followed by an exciting prize-giving ceremony. Academic toppers, 100% attendance winners and the best outgoing students of various departments who made significant contributions to the Institution ascended the stage to receive the prizes. Students' photo session with the dignitaries marked appreciation and reorganization of their perseverance and hard work. The formal meeting came to a close with the Vote of Thanks proposed by the college Senate Chairman, **Mr. Sarath S. B.** The stage was then set for Variety Entertainments by the students. The uninterrupted mega show was a classical art festival of our students and it lasted till 05.00 p.m.



DEPARTMENT OF MECHANICAL ENGINEERING

Courses Attended by Staff

1. Faculty Development program on State of art of solar energy technologies at College of Engineering, Adoor under TEQIP-II was attended by Anoopkrishna C on 22/2/2016 to 26/2/2016.
2. FDP on "Fluid Mechanics" conducted by Amrita College of Engineering and Technology was attended by Prof. Ullas Innocent Raj, Prof Madhavan R and Prof. Hareesh R on Aug 2016
3. Workshop on Preparatory Practices for Accreditation with Outcome Based Education, NIELIT Calicut, 28 May 2016 was attended by Prof Hareesh R
4. National Workshop on Research Methodology in Fluid Mechanics, Amrita University, 14 Jul 2016 to 16 Jul 2016 was attended by Prof Hareesh R.
5. FDP on Fluid Mechanics conducted by IIT-Madras was attended by, Prof Madhavan R on Aug 2016
6. IOT Workshop by Computer science of India was attended by Prof Maneesh T and Prof Arunkumar V, on OCT 2016
7. An Entrepreneur Development Program on Solar Energy from 1/10/2016 to 2/10/2016 under Ministry of skill and Entrepreneur development program was attended by Arun J.
8. Faculty training program on Essential Mathematics for Engineering by APJAKTU from 29/11/2016 to 03/12/2016 was attended by Arun J.
9. Faculty training Program on Automotive Electricals at GEC Barton Hill under Bosch from 14/12/2016 to 17/12/2016 was attended by Arun J and Maneesh T.

Achievements of previous academic year

Arun J was the resource person in the FDP on "Initiating the Thinking Process for Creative Engineering Design" as resource person organised under TE-QIP-II at College of Engineering Thalassery, from 5/1/2016 to 8/1/2016.

2. Revised Workbooks on Theory of Machines and Engineering Graphics were prepared, printed and made available to students as a teaching material by Rajaneesh R Chandran

3. Conducted project exhibition on Design and Engineering by first year students and was uploaded in the APJ Abdul Kalam Technological University site coordinated by Arun J, Soorya S R and Linda Xavier.

4. Summer course on CAD was conducted by Prof. Maneesh T for the present third semester students on July 2016.

5. Summer course on C++ was conducted by Prof. Rajaneesh R Chandran for the present third semester students on July 2016.

6. Prof Ullas Innocent Raj and Prof Arun J visited Larsen and Tubro, Coimbatore and TITAN Watches, Coimbatore under Confederation of Indian Industries on July 2016

7. Arun J was the resource person for "Project based Learning" in the State level Short Term Training Programme on Induction Training Programme for Young Teachers conducted at Govt. Engineering College Thrissur during 21-25 November 2016 under Faculty & Staff Development Training Centre sponsored by Directorate of Technical Education, Govt. of Kerala.

8. Arun J conducted an Entrepreneur Development Program on Solar Energy to the Mechanical Engineering Students of all Semesters of department of Mechanical Engineering in September 2016

Unique Achievements

For the first time in the history of Marian Engineering college, a staff of the department namely Arun J was invited by APJ Abdul Kalam Technological University as resource person for a course on "Design and Engineering" held on 19th March 2016 at Govt: Engineering College Bartonhill, which was telecasted statewide across all clusters of University.

Student activity

Ambadi M A	S8M	Winner in University youth festival
Midon M	S8M	Participated in university Cricket competition
Sreeprasad, Sajith S P, Jijo Joseph	S8M	Participated in university Football competition
Arun prakash	S8M	Workshop
Abhinand	S8M	Techfest in Tejasvi'15
Harikrishnan	S8M	Cultural fest in Tejasvi'15
Abin Alex mathew	S8M	Cricket, Batminton
Bijo James	S8M	Basket ball
Rohan	S8M	Paper presentation
Rohit Rajeev	S8M	University Sports Meet

CGPU@ MARIAN ENGINEERING COLLEGE

CGPU at Marian involves following Team members

- **Prof. Varkey Philip**
- **Prof. Ferdinand**
- **Prof. Sumitra Kumari**
- **Prof. Subhana Sushama Bhadrar**
- **Prof. Clive Castro**
- **Prof. Arun Alex**

Mission of Marian CGPU

To provide students and faculty members of Marian Engineering College with World Class, Contemporary and Innovative Opportunities.

Opportunities for Faculty Members

In today's world of rapid change in Technology, it is very essential that faculty members stay updated with Industry Trends. This would help improve the quality of teaching process, increase the quality of students passing out from Marian. This would further help in attracting more companies to Campus for Placement. Today's technologies are interdisciplinary like IoT (Internet of Things), Robotics etc. Hence it is essential that faculty members are aware about the advances in other disciplines/branches as well.

Entrepreneurship is brining disruptive changes to humanity with more advanced solutions to business problems. Marian CGPU is also at the forefront in spreading the spirit of Entrepreneurship so that more of our students become Job Givers than Job Seekers.

Marian CGPU is forefront in empowering faculty members so that students are empowered which inturn will help Marian to be one among top Engineering Colleges on National Level.

Opportunities for Students

Marian CGPU has been providing following opportunities for students:

- Organizing Campus Placements and Facilitating external interviews at reputed companies
- Training students on Soft Skills and Quantitative Aptitude
- Spreading the message of Entrepreneurship
- Facilitating Internships and Industry Visits
- Session on Higher Studies and Opportunities
- Sessions with reputed Industrialists

Snap shot of key opportunities provided exclusively to Marian students in the year 2016:

- Mechanical Engineering Students were provided an opportunity to interact with Mr. Vikram Kirloskar , Vice President – Toyota Kirloskar Motors Pvt Ltd
- Final year students of all branches were provided with an opportunity to interact with Shri. Balagopal IAS, Founder Terumo Penpol(India's first and World's largest blood bag manufacturer)
- Interactive Session for final year students with Mr. Antony Thomas, CIO of GE(General Electric)
- Session with Infosys HR on "Expectations from Freshers"
- Interactive Session with Co Founder of Infosys Shri. Shibulal
- Interactive Session with Vice President – Innovation Incubator
- Interactive Session with Senior Manager from Infosys on Campus Connect Programme
- One day workshop on Assistive Technologies at NISH (National Institute of Speech and Hearing)

Snap shot of Key Opportunities provided exclusively to Marian Faculty members in the year 2016:

- Industrial Visit to L&T valves and Titan Industries, Coimbatore
- opportunity to interact with Mr. Vikram Kirloskar , Vice President – Toyota Kirloskar Motors Pvt Ltd
- Opportunity to interact with Shri. Balagopal IAS, Founder Terumo Penpol(India's first and World's largest blood bag manufacturer)
- Interactive Session with Mr. Antony Thomas, CIO of GE(General Electric)
- Interactive Session with Mr. Paul Antony IAS, Joint Secretary Industries & Commerce, Govt. of Kerala
- Interactive Session with Mr. Keyur Patel, Venture Capitalist.
- Workshop on 3D Printing for Mechanical Faculty members
- Interactive Session with Trivandrum Mayor on the topic "Smart City Prospects"
- Interactive Session with Kerala Finance Minister on "GST Prospects for Kerala"
- Interactive Session with Shri. Shibulal, Co – Founder of Infosys
- One day workshop on Assistive Technologies at NISH (National Institute of Speech and Hearing)
- Two days hands on workshop on Internet of Things (IoT)
- Two day workshop on IPR – Intellectual Property Rights

MoUs signed in the year 2016:

- MoU with CII(Confederation of Indian Industries)
- MoU with CII Yi (Young Indians)
- MoU with Skill Pad Global
- MoU with Infosys for Campus Connect Programme

Job Opportunities

Despite recession, Marian CGPU has been able to provide job opportunities to current final year students much before any college.

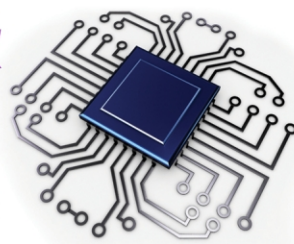
The prominent ones are:

- Job Opportunity with Phio Technologies, IBS, SunTec, Augusys.** First time in history of Marian, students were offered stock option along with regular salary as remuneration.

Conclusion

Marian CGPU is confident in bringing more opportunities to Marian students and faculty members even during recession period.

DEPARTMENT OF ELECTRICAL & ELECTRONICS ENGINEERING



PROJECT EXHIBITION " 3 PHASE " --- EEE DEPARTMENT

1. MechaThe students of third semester conducted Project Exhibition named " 3 PHASE " on 7th September ,2016. The inauguration and expo was held at Bishop Benziger Hall , MEC. Around 11 projects were showcased during the exhibition .

- Mobile detector
- Free energy mobile charger
- Grid power plant
- Water level indicator
- Design lock
- Hybrid solar wind powerplant
- Traffic controller
- Energy efficient street light
- Tesla coil
- Sensor gate light
- Optical fiber



CO-CURRICULAR ACTIVITIES

- A one day seminar on "Introduction on PLC and SCADA " by Cartel automation was conducted on January 2016.
- A workshop on " GATE 2016 " was conducted by SIGMA group.

FACULTY DEVELOPMENT PROGRAMME

- A five day FDP on "Signal processing & Communication systems" was conducted on June 2016 . Experts from CET &GEC , Barton hill were invited for engaging the sessions.

FACULTY TRAINING PROGRAMS

Ms. Reethu Dhanya, Ms. Sheeja Joseph and Ms. Geena Suresh had attended a short term training program on "Recent Trends in High Voltage Engineering from 4th to 8th January 2016.

STUDENT ACHIEVEMENTS

- Parvathy K.U of S7 EEE secured 2 nd place in the paper presentation competition for the topic " Remote sensing enabling our future " held at LPSC, Valiyamala on 5/10/2016 along with other team members.
- Raison Thomas Raju of S4 EEE has secured the third place for 400 mtrs relay for MEC sports day 2016.
- Noufal A.M(S2 EEE) secured second prize in 1500mtr running race for MEC sports day 2016.
- Ajay Ravi (S2 EEE) secured second prize in long jump for MEC sports day 2016.
- Midhun Ajith (S7 EEE) secured first prize for "GATE 2016" conducted by SIGMA group in our department on Jan 2016
- Parvathy K.U (S7 EEE) secured first prize for Elocution competition conducted by Latin catholic service society as part of "The world anti drug abuse day " on June 2016

Workshop on "Software solutions for infrastructure" was organized on 17th December 2015 for the final year students at Civil Engineering seminar hall. The workshop focused on the design of real world structures using STAAD. Pro. Sessions were handled by Mr. Sabu S. Nair and Mr. Surojit Ghosh from Inter Cadd Systems and Mr. Arun Kumar R., Academic Manager, Bentley Systems.



Workshop on "Software solutions for infrastructure" by Mr. Arun Kumar R., Academic Manager, Bentley Systems.

Technical session on "Modern Data Acquisition Methods in Geoinformatics for Construction Engineering" was organized on 2nd February 2016 at Bishop Benziger hall. Resource Person was Mr. Sathesh Gopi. ME, M.Sc.IT, M.Sc. (Geo), MA (DM), MCA, MIE, Deputy Chief Hydrographer & Chartered Engineer, Hydrographic Survey Wing, Kerala Port Department, Trivandrum.



Technical Session by Mr. Sathesh Gopi on "Modern Data Acquisition Methods in Geoinformatics for Construction Engineering"

Grooming session for final year students was held on 24 February 2016. Session was handled by Mr. Elango, HR, SFS Homes.

Workshop on 'Introduction to Steel detailing concepts' was organized on 18 March 2016. The Resource Person was Mr. Raakesh A., Tekla Trimble -Reliant Institute of Technology. Workshop focused on structural steel detailing concepts and tools required to produce unequivocal and accurate drawings for the purpose of steelwork fabrication.

FACULTY DEVELOPMENT PROGRAMME

Five day faculty development programme on "Sustainable Engineering" was organized from 27th June to 1st July 2016. The FDP was conducted as an initiative to enrich the knowledge on lifecycle thinking, industrial ecology and sustainable systems engineering through interaction with faculty members of the institution. Sessions were handled by faculty members of Department of Civil Engineering. Prof. K. P. Narayanan, Head of the Department, inaugurated the programme on 27th June 2016.



Inauguration ceremony of FDP on 'Sustainable Engineering'

Mrs. Linda J., Assistant Professor, Dept. of Civil Engineering marked the formal onset of the FDP by a technical session on 'Sustainable Development'.



Session by Mrs. Linda J., Assistant Professor, Dept. of Civil Engineering

Resource Person for the second day was Ms. Deepthi Dennison, Assistant Professor, Department of Civil Engineering. Session focused on 'Sustainable Waste Water Management'.



Session by Ms. Deepthi Dennison, Assistant Professor, Dept. of Civil Engineering



Mrs. Aswathy Sasikumar, Assistant Professor, Dept. of Civil Engineering handled the technical session on 'Life Cycle Assessment' on the third day. Session on 'Sustainable Environment' was taken by Ms. Soorya S., Assistant Professor, Department of Civil Engineering. FDP culminated with a technical session on 'Industrial Symbiosis' by Mrs. Sanobiya B. S., Assistant Professor, Department of Civil Engineering. 25 faculty members from CE, EE, ECE and CSE attended the FDP.

Session by Mrs. Sanobiya B. S., Assistant Professor, Dept. of Civil Engineering

ACHIEVEMENTS - Paper Presentation

Marian Awards for Technological Excellence, MATE-16

The project 'PLANNING AND DESIGNING OF LAND FILLS FOR TRIVANDRUM CITY' conceptualised and executed by THARUN THILAK, SREELEKSHMI R., SONA GLORIYA ANTONY, ANJALI G. and AJEESH S. A. of S8, CE and guided by Ms. Soorya S.R, Assistant Professor, Department of Civil Engineering has secured first prize and a cash award of Rs.15,000.



THARUN THILAK, SREELEKSHMI R., SONA GLORIYA ANTONY, ANJALI G. and AJEESH S. A. of S8, CE receiving best project award

Mr. Sathesh Gopi, Assistant Professor, Department of Civil Engineering bagged a cash award of Rs. 5000 at Marian Awards for Technological Excellence, MATE-16.

International Conference on Recent Engineering Advances & Trends (INCREAT-16)



Thasneem Shajahan of M4,GT receiving best paper award at INCREAT-16

National Conference on Civil Advancements in New Era-CANE 2016

Raji R. Kumar of M4,GT presented a technical paper titled ' Shear Characteristics of Quarry Sand -Tire Chip Mixtures' and won third prize in "National Conference on Civil Advancements in New Era- CANE 2016"organized by Heera College of Engineering & Technology at the Institute of Engineers, Thiruvananthapuram during March 2016.

National Conference on Geotechnical Engineering and Modelling (GEM-2016)

Associate Professor Rani V., chaired the technical session at the National Conference on GEOTECHNICAL ENGINEERING AND MODELLING (GEM-2016) on 17TH JUNE 2016 organized by Indian Geotechnical Society, Thiruvananthapuram Chapter in association with Department of Civil Engineering, LBS Institute of Technology for Women, Thiruvananthapuram.

ACHIEVEMENTS- Extracurricular Activities

Ms. Jahnavi .S of S5 CE bagged the second prize in western solo and third prize in Vice of Dhvani contest held in connection with 'Dhvan - 2015', the annual social and cultural festival hosted by Collage of Engineering, Trivandrum.

INDUSTRIAL VISIT

First and second year M. Tech Geotechnical Engineering students visited Charankattu Coir Manufacturing Company Pvt. Ltd., Cherthala and National Coir Research and Management Institute(NCRM), Kalavoor, Alappuzha on 19th April 2016.



Ms. JAHNAVI S.

FAREWELL



Our Department gave farewell to Prof. Dhanajayan on 30-11-2015 and we thank him for his whole-hearted service to this institution.



Tanya Periera
of S8 CSE participated in Western Vocal Group for the National Youth Fest and bagged first prize for Kerala University on 16th January 2016



Malavika
from S8 CSE participated and secured first position in Voice of 'Dhruva-Yagna Dhruva' 2016 held at LBS Institute of Technology for Women conducted as part of the National level Inter-collegiate Fest from March 11th to 13th 2016. She also secured 2nd position in AALAP held at GEC Barton Hill from March 4th to 6th 2016 and she also participated and secured 2nd position in Voice of 'ITIHA 2016', Inter-collegiate Techno Cultural Fest of RIET 25th to 27th February 2016.



Anupam Narayan A G
of S5 R1 is the winner in state level talent search program "Skill Connect Competition 2016", organized by Network Systems.



Joma Tharish
of S7 R1 has got a Djangogirls workshop organizer certificate awarded by Labglo Technologies on 17-12-2016 at KTDC club house, Technopark. She participated in Go language workshop conducted by Pradhidhwani Technical Forum at technopark on Dec 10 2016

'Hackers Next. Opportunities & Future for Ethical Hackers' conducted by Network Systems on 26/09/2015. Pitch Perfect 2k16 and Code debugging Competition held at Heera College on 27-10-2016 and she also passed the online courses HTML Fundamentals, JavaScript Basics course, PHP Tutorial course and Python 3 Tutorial course awarded by Sololearn.

Unni Krishnan S, Divya Gomathi, Neena Sharon, Sreelekshmi M B, Neelima S and Aswathi Anilkumar of S6 CSE participated in Map My Home Project conducted by Kerala Land Information Mission and won the first prize. The students made the maximum number of entries competing with the students of six other colleges including CET.

Prinson P L and Sharen Oliver of S4 R2 Participated in a workshop of "Internet Of Things" conducted by Govt.Engineering College, Barton Hill on 6th and 7th of February 2016.

Navanit Gopakumar and Prinson P L of S4 R2 attended a workshop on "Web Development And Hosting" Workshop on 21-02-2016 at LBS Institute of Technology for Women, TVPM.

Prison P L, Ram R Sankar, Manu J, Vasim N S, Nifin A Faizy and Tom Ajith Antony of S4 R2 participated in a three day event on "Ethical Hacking\Intelligent Robotics" at RIT College, Kottayam from 18-03-2016 to 20-03-2016.

Amal Edward of S7 R1 and Aslam Noushad of S7 R2 have attended a workshop on "Robotics" at Barton Hill Engineering College on September 2016.

Gokul C, Mridul Varghese Koshi, Neethu Soman, Noel B John, Poojith Cherukkattil and Unnikrishnan S of S7 R1 had attended the course "Modern Application Development" by NPTEC organized by IIT Madras on 16-10-2016.

Prinson P L of S5 R2 has been awarded for the active volunteering, enthusiastic participation and immense effort put in for Kerala IEEE Technical Exhibition Symposium'16 conducted on 21-10-2016 to 23-10-2016 organized by IEEE LINK and IEEE Student branch of L B S Institute of Technology for Women.

Poojith Cherukkattil of S7 R1 won second prize in "World Space Week Competition" held by ISRO on October 2016.

Aswathy Anil Kumar, Divya Gomathi, Joma Tharish, Gokul C, Mridul Varghese Koshi, Neethu Soman, Noel B John and Unnikrishnan S of S7 R1 attended a workshop on "Google Go" conducted by Prathidhwani, Technopark on 12-11-2016.

DETAILS



Mr. Vishnu J
of S8 CSE placed in - South Indian Bank, IBS & Tata Elxsi. He has opted for South Indian Bank. He is the student Star of 2016 Batch.

A total of 26 placement offers obtained for students of Computer Science & Engineering Department for the current graduating batch of B.Tech.

Aathira Suresh B, Akhaya I S, Ankith A, Nagasooraj S, Sneha Eliza beth Sam, Sreejith M S, Tanya Michelle Pereira, Teenu Martin, Thazni Anwar A of S8 CSE were placed in Infosys.

Hari S G, Rohit S and Vishal V of S8 CSE were placed in Cognizant Technology Solutions.

Ananthu S, Arya G R, Jais Karimpil, Joshua Alexander and Vishnu of S8 CSE were placed in IBS Software Services.

Gauri Shreenath of S8 CSE placed in Mphasis.

Hari Krishnan of S8 CSE placed in Speridian

Nebila of S8 CSE placed in TCS.

INDUSTRIAL VISIT

Seventh Semester students went for an Industrial Visit on 27-07-2016 at IIITMK, Trivandrum. There was a presentation by Dr. Anitha and Mr. Vishnu. They explained about some of their projects in robotics, data engineering, artificial intelligence etc and they also gave ideas about GIS and GPS and Language Computing. The students also visited the FAB Lab.



DEPARTMENT OF CIVIL ENGINEERING

THE PRIDE OF CIVIL DEPARTMENT

KERALA UNIVERSITY SECOND RANK SHARED BY ALL 4 IN SECOND SEMESTER M. TECH DEGREE-GEOTECHNICAL ENGINEERING WITH 9.27 CGPA



ABHIJITH SATHYA
KERALA UNIVERSITY
FIRST RANK WITH
9.47 CGPA



FATHIMA S.



LEKSHMI J. SATHEESH



RAJI R. KUMAR



UNNIMAYA K.S

DEPARTMENT OF COMPUTER SCIENCE



THE PRIDE OF COMPUTER SCIENCE DEPARTMENT



Sneha Xavier
IInd Rank - S2 - M.Tech, CSE
1st Rank - S3 - M.Tech, CSE,
University of Kerala



Soumya Joseph
IInd Rank - S2 - M.Tech, CS,
University of Kerala



Divya Mary Terry
IInd Rank - S6 - B.Tech, CSE,
University of Kerala



Ms. Sheeja Agustin
has been awarded PhD in "Information & Computer Engineering" from Noorul Islam University.



Dr. E. Arun

Dr. E. Arun (23 years of teaching experience) and Dr. E. Baburaj (24 years of teaching experience) joined our CSE Department as Professors from 04-08-2016 and 15-11-2016



Dr. E. Baburaj

TRAINING PROGRAMMES



Title : Talk by Dr. Reghu P Pushpakath, Director, UST Global Cloud practice on Cloud Computing for the S6 and S8 CSE students on 16/03/2016.



Title: Training Programme by Career Launcher on Awareness of Career Guidance conducted for the S6 CSE students on 7th January 2016.



Title: FDP on 'Moodle Based Learning Management System' by Prof. Sandeep Chandran, LBS INSTITUTE OF TECH. FOR WOMEN, POOJAPPURA on July 12th, 2016

The Department has taken steps to implement moodle from the current semester onwards. One day FDP on 'Moodle Based Learning Management System' was conducted by CSE department. Moodle is an education software helping teachers and trainers create and deliver effective online learning environments. Prof. Sandeep Chandran, LBS INSTITUTE OF TECH. FOR WOMEN, POOJAPPURA handled the classes on Moodle on 12/07/2016. Altogether there were 12 participants of which two were from Mechanical Engineering Department. It was a Hands-on session in which Prof. Sandeep Chandran focussed on the implementation of moodle where an introduction to installing moodle, using moodle- creation of users, creation of courses, assigning roles, conducting assignments and quizzes, adding teaching materials and uploading of files.



Title: A ten day bridge course from 20-07-2016 to 29-07-2016 for the third semester CSE students in 'C' Programming.

The Department organized a ten day bridge course from 20-07-2016 to 29-07-2016 for the benefit of the third semester CSE students in the area of C Programming. This course has been organized for the students to enable them study "Data Structure in C" in the forth coming third semester, which begins in August. This will be a refresher course for the students as they have not yet studied C Programming language. It is an in depth course in which both theory and practical sessions will be imparted. The staff members Jyothi Johnson, Keerthi Krishnan, Nishley E.J, Reeya S. L and Sheeja Agustin, of the CSE department were the Resource Persons.

SPECIAL ACADEMIC PROGRAMMES ATTENDED BY THE STAFF

i. **Ms. Nitha L.R and Ms. Reeya S L** and attended a 3 day STTP on Cloud Computing & its applications from 17/02/16 to 19/02/16 at UCK, Karyavattom. On the third day there was an Industrial visit to Kerala State E- Governance Data Center, Thejaswini Building, Techno park Campus, Trivandrum.

ii. **Ms. Merlin Shoerio and Ms. Simi Margaret** attended 'Train the Trainer Program on Fundamentals of Python Programming' as part of Infosys Campus Connect at Nehru College of Engineering & Research Centre at Pampady from 14/03/2016 to 16/03/2016. The Sessions were handled by Mr. Hari from Infosys.

iii. **Ms. Reeya S L and Ms. Sheeja Agustin** & attended a seminar on "Impact of Cloud Computing in IT Industry", organized by Network Systems, Trivandrum on 11th June, 2016.

iv. **Ms. Merlin Shoerio and Ms. Mercelin Francis** attended a 5-day FEP on 'Mobile Application Development' using android from 20th to 24th June 2016 at Adi Sankara Institute of Engg. & Technology, Kalady as part of Infosys Campus Connect. The Sessions were handled by Mr. Hari from Infosys.

v. **Ms. Reeya S L, Ms. Sheeja Agustin, and Shiji C. G** attended a 3-day FDP on "Principles and practices of Parallel Computer Architecture" from 7th July to 9th July 2016 at Mohandas College of Engineering & Technology, Trivandrum. The classes were handled by Dr. John Jose, IIT Guwahati, Mr. Binu, RSET and Mr. Febin P. Jacob, COE, Thrikkapur.

vi. **Mr. Jose Hormese** attended a 5 Day Short Term Training Programme on "Open Source Tools for Computing" conducted by the Dept of Computer Science and Engineering at Government Engineering College, Thrissur from 11th to 15th July 2016.

vii. **Ms. Reeya S L & Ms. Sheeja Agustin** attended IEEE Kerala Section Branch Counsellors Congress on 2nd August 2016 at Hotel Abad Plaza, Kochi. The major deliberations of the congress were
a) KTU Regulations and Professional Society Activities with Hon'ble VC of APJ Abdul Kalam Technological University
b) Discussion on IEEE Student Activities with IEEE Kerala Section Chair DR. Suresh Nair.
c) Information on funding and fund release procedures by IEEE Kerala Section SB Chair Mr. Sabarinath
d) Information on Kerala Section Society Chapter Activities

vii. **Ms. Jyothi Johnson and Ms. Keerthi Krishnan** attended a five day Faculty Enablement Programme on "Big Data Analytics" at Infosys, Mangalore from 22-08-2016 to 26-08-2016.

viii. **Ms. Nitha L Rozario** attended a National workshop on 'Advanced Internet of Technologies' on 07-10-2016 and 08-10-2016 at Technopark.

ix. **Ms. Keerthi Krishnan, Ms. Sheeja Agustin and Ms. Sunitha S** attended a three day workshop on "Internet of Things" (IOT) organized by IEDC and supported by Kerala Startup mission held at Marian Engineering College on 14-07-2016 to 16-07-2016.

x. **Ms. Keerthi Krishnan** participated in a five day workshop on "Speech & Text Processing" sponsored by TEQIP II during the period from 08-08-2016 to 12-08-2016.
xi. **Ms. Keerthi Krishnan** participated in a two day day workshop on "Network Security" organized by Department of Information Technology, Govt. Engineering College, Barton Hill, TVPM from 07-10-2016 to 08-10-2016.

xii. **Mr. Jose Hormese**, has attended a two day "Computer Vision" Workshop on 10/11/2016 and 11/11/2016 at the Computer Science and Engineering Department at Govt. Engineering College, Thrissur

xiii. **Ms. Jyothi Johnson** attended a five day Faculty Development Programme on "Essential Mathematics for Engineering" at Kerala Technical University from 28-11-2016 to 02-12-2016.

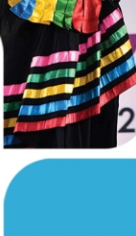
xiv. **Ms. Jyothi Johnson, Ms. Sheeja Agustin and Ms. Sunitha S** attended a five day Faculty Development Programme on "Free & Open Source Software" at SCT College of Engineering, Pappanamcode from 13-12-2016 to 17-12-2016.

xv. **Dr. E. Baburaj** attended a five day Faculty Enablement Program (FEP) on "Foundation Program (FP) 5.0" conducted by Infosys campus connect team from 19-12-2016 to 23-12-2016 at NMAM Institute of Technology, Nitte, Karkala Taluk, Udupi District, Karnataka



'AYKYA 2016' -ARTS DAY CELEBRATIONS

On 26th and 27th of August , 2016, Marian Engineering College unbolted the platform to exhibit the hidden talents of Mariantes for the first time in the history of Marian. The whole event was organised by the final year students under the guidance of Mr. Amjith LR (AP, Dept of ME.). A total of 92 events were showcased in 4 stages . More than 90% students participated for this mega event and made it a grand success.



COLLEGE CELEBRATIONS

DEPARTMENT OF COMPUTER SCIENCE Continued.....

SPECIAL ACADEMIC PROGRAMMES ATTENDED BY THE STAFF

Ms. Marcelin Francis & Ms. Sajni Nirmal Ms.Simi Margaret was recognized as BRONZE Partner Faculty Under Inspire – The Campus Connect Faculty Partnership Model.

SPECIAL ACADEMIC PROGRAMMES ATTENDED BY THE STAFF

- Mr. Jose Hormese, Associate Professor in the Department of CSE has completed his course work at NIT Durgapur .
- Ms. Keerthi krishnan, Associate Professor in the Department of CSE is completed her QIP period of three years at Anna University and rejoined on 01 – 07 - 2016 .
- Ms. Marcelin Francis, Asst. Professor in the Department of CSE has got admission for PhD at Thiagarajar College of Engineering, Madurai under QIP joined on 01-07-2016.

PAPER PUBLICATIONS

- Keerthi Krishnan, Associative Professor has published a paper titled "Recommending Top Research Categories to Naive Researchers" in International Journal of Control Theory and Applications.
- HanyDas S.H, Shiji C G,"An Efficient System for Safety and Consistency of Data Management in Scalable Transactions", International Journal of Innovative Research in Computer and Communication Engineering Vol. 4, Issue 5, May 2016
- HanyDas S.H, Shiji C G,"Generalization of Consistency and Searching Mechanisms over Scalable Transactions", PARIPEX Indian Journal of Research Vol. 5, Issue. 6, June 2016
- HanyDas S.H, Shiji C G,"Importance of Keyword Search in Data Management over Scalable Transactions", International Journal of Engineering Science and Computing"Vol. 6, Issue No. 6, June 2016
- Lima L G, Swapna H, "Integrity Preservation and Identity Privacy of Shared Data in Untrusted Clouds"International Journal of Innovative Research in Computer and Communication Engineering Vol.4,Issue 5,May 2016.
- Neethu S, Sajni Nirmal, "Outlier Detection and Analysis of Data Stream Classification Using Text Clustering", International Journal of Innovative Research in Computer and Communication Engineering, ISSN(Online): 2320-9801 and ISSN (Print): 2320-9798, Vol. 4, Issue 5, May 2016, pp 9457-9461.
- Neethu S, Sajni Nirmal, "Time Based Analysis on Anomaly Detection and Classification of Data Stream", International Journal of Innovative Research in Science, Engineering and Technology, ISSN(Online): 2319-8753 and ISSN (Print): 2347-6710, Vol. 5, Issue 6, June 2016, pp 10228-10232.
- Neethu S, Sajni Nirmal, "Outlier Detection and Clustering Analysis in Data Stream Classification", International Journal of Science& Research,ISSN (Online): 2319-7064, Vol.5, Issue 6, June 2016, pp 1207-1210.
- Silja joy, Nisha J.R, "Automated Text Abstraction from Documents and Webpages Metadata using Probabilistic Clustering algorithms", International Journal of Recent and Innovation Trends in Computing and Communication (IJRITCC), Vol 4, Issue 6, June 2016.
- Parvathy.M, Sheeja Agustin, "Packet Classification Based Anomaly Detection In Message Transfer Protocol" International journal of Innovative Research In Computer and Communication Engineering Vol 4 , Issue 5, May 2016
- Parvathy.M, Sheeja Agustin, "Client Monitoring And Packet Classification In Rule Based Protocol" International journal of Engineering Science and Computing Vol 6 , Issue 6, June 2016
- Princy.B, Nishley Elizabeth Joseph,"High Sensitive and Relevant Data Sharing with Secure", International Journal Recent and Innovative Trends in Computing and Communication Engineering Vol. 4, Issue 6, June 2016
- Princy.B, Nishley Elizabeth Joseph,"Securing and Low Time Consuming for Sharing High Sensitive and Relevant Data", International Journal of Science and Research"Vol. 6, June 2016

THE SPLENDID ONAM CELEBRATIONS AT MARIAN ON SEPTEMBER 9TH, 2016

