

# MARIAN MOMENTS

An Annual Bulletin of Marian Engineering College, Kazhakuttom

A Trivandrum Latin Archdiocesan Institution



Engg. College Code  
**MCE**



Arch. College Code  
**MCR**

ISO 9001:2008 Certified

AUGUST 2019

## VISION OF THE INSTITUTE

To be an institution offering quality technical education and promoting research with strong ethical values for public good.

## From the Manager's Desk

"Keep your face always towards the sunshine – and shadows will fall behind you".

With immense pleasure and pride I ponder over the above few words.

The unity strength, endurance and hard-work of our faculty members and constant strive to reach the heights, of our students have added another golden feather to the cap of Marian Engineering College. Along with the happiness given by the 2019 passouts, I warmly welcome the 2019-2023 batch of students to our family. You children have miles to go to catch your goal. As Dr.A.P.J.Abdul Kalaam says "All of us do not have equal talent but all of us have an equal opportunity to develop our talents". So please utilize your God given opportunity and Rise & Shine to your future. At this moment I wish all the teaching and non- teaching staff members the very best for the next step of our quality approval, i.e 'Accreditation'. Let's be united in this venture too since the best view comes after the hardest climb. May God bless you all with Peace, Tranquility and Good will.



## MISSION OF THE INSTITUTE

To mould the young men and women into technologically up to date, socially conscious and morally sound individuals by providing an inspiring environment of learning for the welfare of the society.



Every Family has a Story  
**Welcome to Ours**  
**MARIAN WELCOMES**  
**NEW BURSAR REV. Fr. A. SUDHEESH**

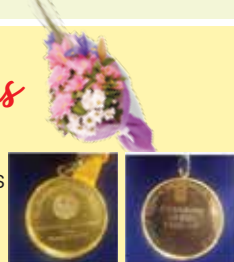


*Congratulations*

**Dr. Vijayalekshmy,**

HoD - Electrical & Electronics  
Engineering

was awarded Corps  
Electrical & Mechanical Engineer's  
Prize 2018 by Institute of Electrical Engineering



## M1 M TECH TOPPERS WITH 9 ABOVE CGPA

*Congratulations.....*



AARYA K R



AMRITHA VARSHA T S



ARCHANA M S



ARYA SANKAR M S



JIZI JOSEPH



DIYA B



MEENAKSHI M



MRIDHULA J L



ROSHINI M



SREEDHU P S POTTY



KAVAYA B



Stars of Marian 2019, an occasion to felicitate the placed students of 2015 - 2019 batch, was held on May 3, 2019. The Chief Guest for the function was Shri. John Kuriakose, Founder at Dentcare Dental Lab (Asia's largest Dental Prosthetic manufacturer).

# MARIAN CAREER GUIDANCE AND PLACEMENT CELL (CGPU)

## Placed 2019 Pass outs.

SL.no	Student Name	Branch	Company
1	Prasidh Prem	Civil Engineering	IBM
2	Nadiya Basheer	Civil Engineering	IBM
3	Abhirami A Kumar	Civil Engineering	INFOSYS
4	Abraham Koshy	Civil Engineering	INFOSYS
5	Rahul Subhash	Civil Engineering	INFOSYS
6	Riya J	Civil Engineering	INFOSYS
7	Swathi B	Civil Engineering	INFOSYS
8	Ashika Menon	Civil Engineering	INFOSYS
9	Farzana S	Civil Engineering	INFOSYS
10	Malavika S	Civil Engineering	INFOSYS
11	Mamatha Nair	Civil Engineering	INFOSYS
12	Namitha B	Civil Engineering	INFOSYS
13	Tom Boban	Civil Engineering	INFOSYS
14	Aishwarya H	Civil Engineering	INFOSYS
15	Archa Anil	Civil Engineering	INFOSYS
16	Aswin Anil	Civil Engineering	INFOSYS
17	Azhar Bin Ansari	Civil Engineering	INFOSYS
18	Dhekshina Unni S	Civil Engineering	INFOSYS
19	Kavya M.S	Civil Engineering	INFOSYS
20	Meghna Jayan	Civil Engineering	INFOSYS
21	Haritha Jerald	Computer Science Engg B.Tech	UST Global
22	Rahul Krishnan G	Computer Science Engg	H&R Block
23	Ananthakrishnan K	Computer Science Engg	IBS
24	Ananya Raju	Computer Science Engg	INFOSYS
25	Athira Baby L.B	Computer Science Engg	INFOSYS
26	Neeta Joy	Computer Science Engg	INFOSYS
27	Philip Augustine Najjan	Computer Science Engg	INFOSYS
28	Sneha S Mena	Computer Science Engg	INFOSYS
29	Abida Alexander	Computer Science Engg	INFOSYS
30	Betsy John	Computer Science Engg	INFOSYS
31	Jibi Rose	Computer Science Engg	INFOSYS
32	Leah Morris	Computer Science Engg	INFOSYS
33	Lifa L	Computer Science Engg	INFOSYS
34	Manesh Manohar	Computer Science Engg	INFOSYS
35	Resmi S R	Computer Science Engg	INFOSYS
36	Ajai Rajendran	Computer Science Engg	POORNAM INFO VISION
37	Kavya Anil	Computer Science Engg	Quest Global
38	Jose William	Computer Science Engg	RM ESI
39	Dharsana George	Computer Science Engg	Speridian Technologies
40	Harikrishnan A	Computer Science Engg	Speridian Technologies
41	Midhulesh N Madhav	Computer Science Engg	Speridian Technologies
42	Pranav P	Mechanical Engineering	Speridian Technologies
43	Ashwin M S	Computer Science Engg	UST Global
44	Archana V	Elec. & Comm. Engg	ATTINAD SOFTWARE
45	Archa Pradeep	Elec. & Comm. Engg	IBM
46	Sreedevi G S	Elec. & Comm. Engg	IBS
47	Aiswarya Suresh	Elec. & Comm. Engg	IBS
48	Naveen M	Elec. & Comm. Engg	IBS

SL.no	Student Name	Branch	Company
1	Akhila SS	Elec. & Comm. Engg	InApp
2	Feba Mary John	Elec. & Comm. Engg	INFOSYS
3	Fathima Lal	Elec. & Comm. Engg	INFOSYS
4	Shilpa R	Elec. & Comm. Engg	INFOSYS
5	K Srihitha Rao	Elec. & Comm. Engg	INFOSYS
6	Gouri Sadish	Elec. & Comm. Engg	INFOSYS
7	Roshan Navas S	Elec. & Comm. Engg	INFOSYS
8	Jeneesha B	Elec. & Comm. Engg	INFOSYS
9	Gopika K G	Elec. & Comm. Engg	INFOSYS
10	Bhagya S	Elec. & Comm. Engg	INFOSYS
11	Fathima Salim	Elec. & Comm. Engg	INFOSYS
12	Krishnakumar RJ	Elec. & Comm. Engg	INFOSYS
13	Archa Mohan	Elec. & Comm. Engg	INFOSYS
14	Priya Jose	Elec. & Comm. Engg	Proficient Controls & Automation
15	Gopika Unni	Elec. & Comm. Engg	Quest Global
16	Syed Rizwan	Elec. & Comm. Engg	RM ESI
17	Alan Mathew Uluvalu	Elec. & Comm. Engg	Navigant
18	Gopika R R	Electrical & Electronics Engg	IBM
19	Niranjana	Electrical & Electronics Engg	INFOSYS
20	Pallavi Prasannan Vidyadharan	Electrical & Electronics Engg	INFOSYS
21	Smrithi S.Lal	Electrical & Electronics Engg	UST Global
22	Divya Nair	Electrical & Electronics Engg	UST Global
23	Smrithy Jophrin	Electrical & Electronics Engg	UST Global
24	Anoop Mathew Uluvalu	Elec. & Comm. Engg	UST Global
25	Kavya S Kumar	Elec. & Comm. Engg	UST Global
26	Jabin V	Mechanical Engineering	H&R Block
27	Jishnu J	Mechanical Engineering	IBS
28	Akhil Thakilan	Mechanical Engineering	IBS
29	Midhun M I	Mechanical Engineering	IBS
30	Shyam Nath R S	Mechanical Engineering	IBS,WIPRO
31	Jayadarsh A	Mechanical Engineering	INFOSYS
32	Suraj Krishna S H	Mechanical Engineering	INFOSYS
33	Gokul Krishna G	Mechanical Engineering	INFOSYS
34	Abhidev	Mechanical Engineering	INFOSYS
35	Anzar Nazar	Mechanical Engineering	INFOSYS
36	Gokul Sb	Mechanical Engineering	INFOSYS
37	Kannan M C	Mechanical Engineering	INFOSYS
38	G Sreejith	Mechanical Engineering	INFOSYS
39	Lehin Noushad	Mechanical Engineering	INFOSYS
40	Munez Maheen	Mechanical Engineering	INFOSYS
41	Nandhu P	Mechanical Engineering	INFOSYS
42	Sachu A	Mechanical Engineering	INFOSYS
43	Sanjith S R	Mechanical Engineering	INFOSYS
44	Sonu Sunny	Mechanical Engineering	INFOSYS
45	Sooraj U	Mechanical Engineering	INFOSYS
46	Tejas Manu	Mechanical Engineering	INFOSYS
47	Abey Ajit	Mechanical Engineering	INFOSYS
48	Akhil Anotony Joseph	Mechanical Engineering	INFOSYS
49	Robin Philip	Mechanical Engineering	INFOSYS
50	Leander Lawrence	Mechanical Engineering	INFOSYS
51	Jacob Thomas	Electrical & Electronics Engg	Tata Vistara Airlines

### Star Recruiters of Marian 2019 Pass outs



### PLACEMENT CELL ACTIVITIES



Dr. George Varkey, Founder of Mobilexion visited our campus on 30/09/2018 for a session with 2019 Pass outs regarding expectations from freshers and opportunities for software professionals in healthcare domain.



Campus Visit to Infosys Trivandrum was organized for 2020 Pass out selected students. Session on Infosys, Core Engineering at Infosys and expectations from freshers were organized at Infosys campus for the students.



Infosys Team lead by Manager ETA Team Mr. Hari S addressed 2019 Pass out Infosys selected students. The session was about Campus Connect and importance of learning Python programming while in campus.



Hackwithinfy, a national level hackathon competition of Infosys (Round 1) was conducted at Marian Engineering College, Trivandrum. More than 100 students from 2020 Pass out branch actively participated in the hackathon.



Recruitment drive by Amazon for 2017/18 Pass outs were held in our campus with a good number of participation by job seekers



Campus placement by Infosys for 2019 pass out was held at Marian 20/10/2019. Placement was handled by HR Lead, Mr. Balaji. A record number of 64



Speridian Technologies conducted a Campus Connect Program for 2020 pass out (CSE/ECE/EEE/MECH) students on "Futuristic Technology focused careers"



Inapp Software conducted a session for 2020 Pass outs from CSE/ECE on InApp Software and Career Opportunities. Mr. Biju Varghese, HR at Inapp was the Resource person.



Marian Engineering College was recognized as "Advanced Partner Institute" of Infosys for the year 2018.



H&R Block- HR Manager, Mr. Manoj sharing views regarding expectations from freshers and job roles. The session was targeted for 2019 Pass out - CSE/ECE/EEE/MECH students.



Autobahn trucking conducting placement drive for Mechanical students of 2019 pass out at Marian Engineering College.



# INNOVATION & ENTREPRENEURSHIP DEVELOPMENT CENTRE ( IEDC)

## MARIAN TECHNOLOGY BUSINESS INCUBATOR (M-TBI)

\* M- TBI became operational this year. Two companies which was registered through Marian IEDC got incubated. MoU was signed with this two companies.



MoU signed up with TRYSRA TECH SOLUTIONS FOR INCUBATION



MoU signed up with TAAD's ELECTROTECHZ

## ACHIEVEMENTS

- Marian IEDC was selected as one of the top 10 IEDC in the state. Reward of Rs 4 lakhs was received.



Nodal Officer receiving the award for top performing IEDC

- Marian IEDC was selected for formulating one of the Institution Innovation Council (IIC) in the state by MHRD, Govt. of India.

## PATENTS FILED

- "Automatic Jackfruit Bulb Separation Machine" – developed by Final year Mechanical Engineering students – Robin Philip, Jabin V Biju, Jijos Joy, Jeffin T R
- "Walker for Uneven Plane" developed by Akash R Nair.

## PARTICIPATION IN NATIONAL EVENT

TRYSRA Tech Solutions – the company incubated in M TBI got selection to participate in RISC 2019, organized by NIRD, Hyderabad. Only 180 teams across India were selected.



Participants of RISC - 2019 at NIRD, Hyderabad

- Five teams were selected to present their idea in Idea Day Organised by Kerala Start Up Mission.
- One team was selected under CERD scheme of KTU for funding.
- One student team was selected under INNOVATE scheme of KSCSTE for funding.

## MARIAN IEDC ACTIVITIES



Software Development Using Ajile Technology on 14th March 2019 with Resource Person Mr.Riji N.Das



An awareness workshop on Effective Presentation skills and idea pitching on 9th April 2019



Two Day Workshop on 5D Drawing organized on 1st May 2019



FDP on Block Chain held dated 10th July 2018



MoU signed up between Marian IEDC & Kerala Agro Machinery Corporation



IDEA DAY organized by KSUM on 14th July 2018



Design Thinking Workshop on 10th October 2018



MIND TO MARKET - Interactive session by Dr. Suresh Nair, CTO, NEST on 13th October 2018



EDEN 2.0, a National level Hackathon held on 28th March 2019



Workshop on Arduino on 6th October 2018



Website design workshop held on 10th November 2018



Workshop on Machine Vision Using Deep Learning held on 8th March 2019



Workshop on Foundation skills on Entrepreneurship, held on 26th July 2018

# CHRYsalis '19

Graduation Ceremony of 2015-2019 Batch students. The Guest of Honor was His Excellency Ibrahim Saeed Mohammed, Deputy Consul to the Consulate of Maldives.



B.TECH ECE '19



B.TECH CE '19



B.TECH EEE '19



M.TECH ECE '19



M.TECH CE '19



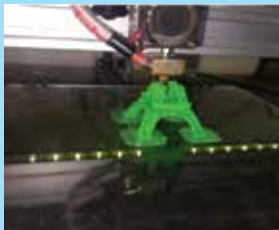
B.TECH ME '19



B.TECH CSE '19



## MECHATRONICS CLUB



### The Various events organized are:

Arduino workshops,  
Gaming competitions,  
C coding competitions,  
Proteus workshops and  
Technical quizzes.

Mechatronics club of Marian Engineering College works for the fulfillment of the technical knowledge of the engineering students to be familiar with the new trends and apprising in mechatronics engineering field and a platform for doing projects and other engineering activities.

The club poses a wide range of electrical, mechanical, electronics components and tools for members to work on any kinds of projects and to have a hands on practical experience on various tools and equipment's. The club also provides students with work space in mechatronics lab endorsed with equipment's such as 3d printer, internet facilities, welding, grinding, drilling, soldering tools, Arduino boards, raspberry pi boards, various kind s of sensors etc. along with space for group discussion on various projects. Provisions are also provided for working after college hours. The club currently have more than 150 members led by a team of student executive.

## INDUCTION PROGRAM FOR THE 2019 BATCH FRESHERS



Stills of Yoga and various Soft skill sessions as part of Induction Programs for the 2019 Batch students from 22nd July to 9th August 2019.

The Various Eminent speakers outside Campus were:

Mr.Dinil IPS (ACP)  
Dr.Dawny Mathew (Psychiatrist)  
Mr.Titus (English)  
Mrs.Mini B.Anand (English)  
Rev.Fr.Vinod Victor (Motivational)  
Mrs.Dorothy (Yoga)

The Various Eminent speakers within Campus were:

Mrs.Marykutty (Counsellor)  
Mr.Jose Hormese (HOD,CSE)  
Mr.Anoop Mathew (2019 Pass out)  
Mr.Gokul M.Anil (2019 Pass out)  
Mr.Hari & Benson (Start-Up)  
Mr.Daniel (Student Welfare)  
Mr.Anoop Jacob (IEDC)  
Mr.John Kennet (Arts,M,CAP)



Anti-Narcotic Cell of Marian engineering college conducted a seminar on "Influence of Drugs among Youngsters" on 27-Mar-2019 in Civil Engineering Department Seminar Hall. Seminar was lead by Mr. Pradeep Rao, Inspector of Excise - Range office Kazhakuttam.

# COLLEGE DAY AND TEJASVI 2K19

@ 26TH AND 27TH APRIL 2019



Marian IEDC was selected as one of the top 10 IEDC in the state. Award of Dr. J. Jayaram received.



AYKYA - ARTS FEST @ 16TH MARCH 2019

# Department of ELECTRONICS & COMMUNICATION ENGG

## NATIONAL CONFERENCE

- The Department organized a one day National Conference on 'Emerging Trends in Electronics & Communication-NCEEC-19', from 27th February to 28th February, 2019. Prof. Dr. K. G. Satheesh Kumar, Director of NISH, inaugurated the event. The main events were Paper Presentations by 10 batches of UG students from John Cox, St. Xaviers Chungakadai and Marian Engg. College and 5 PG Students from Marian Engg. College. The external judges were Dr.Sajitha, Avionics Division, VSSC and Prof.K.V.Janardhanan, Retd.VSSC.



NCEEC '19 inaugurated by Prof. Dr. K. G. Satheesh Kumar, Director of NISH.



MoU signed between Dept. of ECE and NISH on 29th June 2019

## FACULTY DEVELOPMENT PROGRAMS PARTICIPATED

- Ms. Ann Mathew (APECE), Ms. Dhanya Mathew (APECE), Ms. Hema S. Mahesh (APECE), Ms. Minnu Jayan C. (APECE), Ms. Mary Sunitha (APECE), Ms. Nurul Hidayat (APECE), Ms. Ramola Joy P. (Asso. PECE), Ms. Subha P.S. (Asso. PECE), Ms. Sony S. (APECE) and Ms. Simi M.S. (APECE) had attended a 5 day AICTE Sponsored FDP on Introduction to Robotics and its applications from 8/7/2019 to 12/7/2019 at MBT, Nalanchira.
- Ms. Vinitha B. Elza, attended a 3 day FDP on "Student Induction through Universal Human Values" from 17th to 19th June 2019, at Cambridge Institute of Technology, Bangalore
- Ms. Sreena V.G. has attended Summer School on Machine Learning from 8/7/2019 to 13/7/2019 at IIT Hyderabad.
- Ms. Vinitha B. Elza (APECE) attended a one day workshop by IEEE-APS on 21st December, 2018 from 9:00 am to 5:00pm at Hotel SP Grand Days.
- Ms. Dhanya Mathew (APECE) and Ms. Sreena V.G. (APECE) attended an FDP on "Advances in Machine Learning and Deep Learning held at Rajadhani Institute of Engineering and Technology, Department of CSE, sponsored by KTU from 17th to 21st December, 2018.
- Ms. Simi M.S. (APECE), Ms. Minnu Jayan C. (APECE) and Ms. Mary Sunitha (APECE) attended a 3 day FDP on Engineering Mathematics and Research Methodologies from 13th to 15th December, 2018 organised by Department of EEE, MEC.
- Mr. Evan Kumar G. (APECE) attended a 5 day FDP on Design Engineering from 3rd to 7th December, 2018 organised by Department of ECE, Sarabhai Institute of Science & Technology.
- Ms. Sreena V.G. attended an AICTE/QIP sponsored Short Term Course on 'Deep Learning & Applications from 16th to 20th April, 2018 at CET.

## ACHIEVEMENTS OF FACULTY

- Ms. Reshmalakshmi C. (AP - on leave, ECE), under the guidance of Prof. Dr. M. Sasikumar has completed her PhD. Open Defence on 25th February 2019 at CET.
- Ms. Malini S. (AP - on leave, ECE), under the guidance of Prof. Dr. R. S. Moni completed her PhD. Open Defence on 11th February 2019 at CET.
- Ms. Sreena V.G. (APECE) published a paper in Conference proceedings IEEE December 2018.

## ASSOCIATION ACTIVITIES



Dr. Sreeleal Sreedharan Pillai (Sci/Engineer -SG, Section Head, Basband Systems Electronics Division (BSED), Digital System Group (DSG), Avionics Entity, VSSC had inaugurated the Electronics Association on 30th October 2018, and also delivered a lecture on VLSI.

- Ms. Meera S. (Alumni of 2002-2006 ECE, Entrepreneur) gave an inspirational talk on 9th October 2018, on how she thrived to complete her MS abroad and the pains she took to reach her present level in life. Many students were motivated by her speech and aspire to go for their Post graduation outside the country.

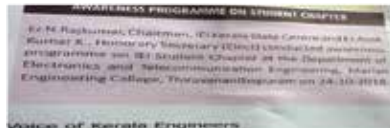


Ms. Meera S. (Alumni of 2002-2006 ECE, an Entrepreneur)

- To introduce IEI Student Chapter in our department, Dr. Rajkamal - Chairman of IEI Kerala Circle had given an excellent talk on importance and benefits of being member of IEI on 24th October, 2018.



Dr. Rajkamal - Chairman of IEI Kerala Circle



- Prof. K. G. Gopchandran (Asso. Prof, HOD, Dept. of Optoelectronics, University of Kerala, Kariavattom) gave an Expert lecture on Nanoelectronics for the final year students on 8th March, 2019 at ECE Seminar Hall.



Prof. K. G. Gopchandran, Asso. Prof, HOD, Dept. of Optoelectronics, University of Kerala, Kariavattom

- On 5th April 2019, Mr. Vinoth A (EDWISE Consultants Pvt Ltd) and team gave a detailed session on how to STUDY ABROAD (over 575 universities worldwide), for the final year students.
- Malayalam Short Story Competition was organized for the students of department on 11th April 2019.

## ACHIEVEMENTS OF STUDENTS

- Electronics Association conducted an Essay writing competition on 1st March, 2019 at the EC Seminar Hall, for which 20 students participated. 1st Prize winner was Visakh.C.B (2015- 2019 ECE) and 2nd Prize winner was Charan Chandran C.B (2016-2020 ECE).
- PCB Designing Competition was organized by Electronics Association on 5th April, 2019. Out of 15 students who participated from S4, S6 and S8, Albin Yesudasan (S4 T) secured the First position, Roniya R (S4 T) secured the Second position and Amritha M.R (S4 T), the third position.



PCB Designing Competition organized by Electronics Association on 5th April, 2019.

- Marian team which includes students of ECE namely Abhishek, Blaise Joseph, Rugma Anil, Aiswarya R.B of 2015-2019 batch, Sneha Sara Mathew of 2016-2020 batch and Kripa Benoy of 2017-2021 batch ECE, has acquired 1st prize for Fashion Show at Mar Baselios College of Engineering, Kuttikanam and Barton Hill College of Engineering & 2nd prize in LBS College of Engineering.



Marian team bagged 1st and 2nd Prize for Fashion Show at two venues

- ZManix - The Marian Dance team which includes Karthika S.R (2015-2019 ECE), Alben Joseph (2017-2021 ECE), Atish Pradeep (2018-2022 ECE) won 1st Prize at Heera College and Adhi Sankara College.
- Aleena Stancillas, Gopika Unni, Farzana Ismail of 2015-2019 ECE and Sruthi Savithri Vijayakumar, S. Vaishnavi, Amritha M.R of 2017-2021 ECE participated in Mime Competition at LBS.
- As part of Womens Day celebrations by NSS Unit, Sruthi Savithri Vijayakumar (2017-2021 ECE) won 1st prize in English Poetry Writing and Aleena Stancillas won 1st Prize in Malayalam Poetry Writing.



• For BODHI 2K19 ( Quiz Competition organized by the Student Welfare Committee ), Sneha S.Christopher and Sruthi Savithri Vijayakumar ( 2017-2021 ECE) won 1st Prize and C.Nirupama and Devi Saranya ( 2017-2021 ECE) won the 2nd prize.



Meera Vinod (Alumni 2014-2018 ECE) shares her experience with regard to Job Finding and Facing.

## INTERNATIONAL INSTITUTE FOR SOCIAL AND ECONOMIC REFORMS (R), BENGALURU

Proudly Presents

### DR. APJ ABDUL KALAM LIFE TIME ACHIEVEMENT NATIONAL AWARD



**DR. M. SASIKUMAR**  
Trivandrum, (Kerala)

for your distinguished contributions to the development of the Nation and Achieving outstanding excellence in the field of **Teaching, Research and Publications**

Today the 26th January 2019 at Bengaluru

Prof. Dr.M.Sasikumar( the only HOD of ECE, CSE and IT at inception of Marian), had completed his PhD, from IIT Madras in the year 1985. He had been the Senior Joint Director, DTE from 1998 to 2001, Principal of College of Engineering, Trivandrum in the year 1998, Joint Director, Regional Directorate of Technical Education from 1996 to 1998. Prof.Dr.M.Sasikumar has guided 11 Research scholars who successfully completed their PhD till 2019. He owns 138 publications from the year 1984 to 2018.



## ONAM 2019



Onam 19

## Welcome



**Prof.Joicy M.B**  
IQAC Co-ordinator

Prof. Joicy M.B had served Government Engineering Colleges for over 35 years. She had secured the George Ommen Memorial Gold Medal from University of Kerala for being Topper in M.Tech Hydraulics Engineering at College of Engineering Trivandrum.



**Dr.Vijayakumari P.L**  
PG Dean

Dr.Vijayakumari P.L had served as Professor at N.S.S College of Engineering , with over 35 years of teaching experience. She had completed her PhD. From IIT Madras in 2006.



GENESIS 2019, INAUGURAL CEREMONY OF 2019-2023 BATCH STUDENTS ON 22ND JULY, 2019



ALUMNI MEET ON 20TH JULY, 2019

# Department of CIVIL ENGINEERING

Welcome



**New Head of  
the Department**

**Dr. Narayanan S**  
BTech (CET), MTech (NIT Calicut), PhD (IIT MADRAS)

## ACTIVITIES ORGANIZED



Inauguration of Bhoomithrasena club by Prof. D. Thankamani and celebration of world ozone day was conducted on 17-9-2018 co-ordinated by Mr. Danny Thomas.



Inauguration of Civil engineering Association by Ar. P. S. Sajan on 16-10-2019

• A Virtual reality show by CAD DESK was organized by the civil engineering association on 6-2-2019 for the faculties of civil department.



Student members and mentors of IGS student chapter of MEC during the Symposium on 'Laterites and lateritic soils' at LBS Institute of Technology for Women, Poojappura, TVM on 8-2-2019.



An expert talk by Mr. Pramod P.P., IFS on 'World Forestry Day' organized by Bhoomithrasena Club, MEC on 21-3-19



Planting of seedlings in the civil engineering department by Very Rev. Msgr. Wilfred E., Manager, MEC on 7-1-2019.



Signing of MoU between Marian Engineering College & Kerala State Nirmithi Kendra on 7-3-19



Participants of "5D Drawing" workshop organized by IEDC for the Civil engineering students on 1-5-2019.

## FACULTY DEVELOPMENT PROGRAMME ATTENDED

- Mr. Kannan K. attended 1 day Symposium on "Landslide: Analysis, Mitigation & case studies" organized by Division of Civil Engineering, School of Engineering, CUSAT & IGS Kochi chapter, on 1-12-2018.
- Ms. Soorya S. attended 5 day Faculty Development Programme on "General Engineering (Design and Engineering)" organized by Sarabhai Institute of Science & Technology, Thiruvananthapuram, from 3rd December 2018 – 7th December 2018.
- Ms. Asha Davood Z. attended 4 day Training Programme on "Geospatial analysis" organized by TPLC, Govt. Engineering College, Barton Hill, Thiruvananthapuram, from 31st October 2018 – 3rd November 2018.
- Ms. Reshmy D.S. attended 3 day Workshop on "Real time applications of Intelligent Transportation System" organized by Department of Civil Engineering, College of engineering, Thiruvananthapuram, from 12-12-2018 to 14-12-2018.
- Ms. Greeshma T. attended 3 day Workshop on "Real time applications of Intelligent Transportation System" organized by Department of Civil Engineering, College of engineering, Thiruvananthapuram, from 12-12-2018 to 14-12-2018.
- Ms. Asha Davood Z. attended 3 day Workshop on "Real time applications of Intelligent Transportation System" organized by Department of Civil Engineering, College of engineering, Thiruvananthapuram, from 12-12-2018 to 14-12-2018.
- Mr. Sasidharan N. attended a short term course on "Contemporary technologies for water and waste water management" organized by Department of Civil Engineering, TKM College of engineering, Kollam from 7-1-2019 to 12-1-2019.
- Mr. Abhijith R.P. attended a short term course on "Contemporary technologies for water and waste water management" organized by Department of Civil Engineering, TKM College of engineering, Kollam from 7-1-2019 to 12-1-2019.
- Ms. Jeena Sulaikha attended a 5 day workshop on "Disaster management" organized by Department of Mechanical Engineering, Adisankara Institute of Engineering & Technology, Kalady from 16-1-2019 to 20-1-2019.
- Ms. Rani V. attended APJ Abdul Kalam Technological University sponsored STTP on "Designing with Geosynthetics" at CET from 07-01-2019 to 11-01-2019.
- Mr. Kannan K. participated in the training programme on 'Sustainable Construction Materials' organized by Department of civil engineering from 16-7-2018 to 20-7-2018 at College of Engineering, Trivandrum.
- Ms. Twinkle Vinu Mohandas attended a Two day workshop on "Finite Element Analysis of Structures using ANSYS" at Mar Baselios College of Engineering & Technology, TVM on 10-1-19 & 11-1-19.
- Ms. Aswathy Sasikumar attended a Two day workshop on "Finite Element Analysis of Structures using ANSYS" at Mar Baselios College of Engineering & Technology, TVM on 10-1-19 & 11-1-19.

## INDUSTRIAL VISITS ORGANIZED



Industrial Visit to Aruvikkara water treatment plant conducted on 5-11-2018 (Monday) for the S7 C1 & C2 (115 students) students



Industrial Visit to Jadayu Park & Waste treatment plant and Landfill, Attingal organized by the IGS Student chapter, MEC.

## STUDENT ACHIEVEMENTS

- Aparna K. S. Nair, Final year M. Tech. student (2016 batch) receiving the second position for the Annual IGS AISAT award for best M. Tech. thesis organized by IGS Kochi chapter & AISA on 22-9-2018.
- Aarya K.R. & Jishnu P.S. (S1 GT) secured first prize for the Technical quiz conducted by IGS Chapter, MEC on 3-10-2018.
- Students of S6 C2 of the department of Civil Engineering presented exhibits from their design projects as part of the state level technical project exhibition 'Chrysalis 2018' organized by Model Public School, Pallipuram on 30-11-2018.



Students at the state level technical project exhibition 'Chrysalis 2018' organized by Model Public School, Pallipuram on 30-11-2018.

- Gopika A.M secured the first place in women Discuss throw in the APJ Abdul Kalam Technological University Intercollegiate Athletics Championship held at University stadium, Thiruvananthapuram from 2-11-2018 to 4-11-2018.
- Lekshmi M.S, Sayana S, Rakhi Krishna, Pooja A.S secured consolation prize in paper presentation competition as part of COGNIZ 2019, Technocultural fest conducted by Bishop Jerome Institute, Kollam from February 18 to 20, 2019.
- A grant in aid of Rs.5000 was awarded by KSCSTE to Students of S6 C2: Namitha B., Nayana B., Parvathy S. Nair, & Mekhana Gopal on the project "Bamboo Coir Partition Wall" guided by Dr. Bharati Raj J. on 25-5-2018.
- A grant in aid of Rs.19000 was awarded by CERD to Students of S8 C1: Abhirami A. Kumar, Aiswarya J.B., Anakha M.Nair, & Benita P.J. on the project "Use of flex fibre in self-compacting Concrete" guided by Dr. Bharati Raj J. on 10-11-2018.
- Harshith N & Neethu of M4 GT secured the first prize for the Intercollege General Quiz competition 'Jalnix' conducted as a part of the World Water Day celebrations organized by Bhoomithrasena Club, MEC on 22-3-19.
- Jishnu P.S & Aarya K.R. secured the First prize & Viswesvarayya ever-rolling Cup in the Annual Civil Engineering Quiz by the IGS Student Chapter & Department of Civil Engineering, CET on 23-2-19.
- Anciya Fazal of M4 GT secured the first prize for the paper presentation in association with the National Conference 'KETCON 2019' conducted by Govt. Engineering College, Thrissur on 15-2-19.
- Gopika A.S of M4 GT secured the first prize for the paper presentation in association with the National Conference organized by St. Thomas Institute of Science & Technology on 16-3-19.
- Gopika A.S of M4 GT secured the first prize for the paper presentation in association with the National Conference organized by Bishop Jerome Nagar Institute of Science & Technology on 19-2-19.
- Krishna B of M4 GT secured the second prize for the paper presentation in association with the National Conference organized by Bishop Jerome Nagar Institute of Science & Technology on 19-2-19.
- Fathima Sulfikar, Ajmi Sulaiman, Amritha B. Nair, Bharatha S. Vipin of S6 C1 secured the best paper award in the Hydraulics Engineering Stream for the project "Water Pillow" in association with the National Conference on Innovations in Civil Engineering (ICE 2019) organized by Department of Civil Engineering, MEC on 11-4-2019.
- Feroz T.R & Eva Jane of S6 C1 secured second prize for paper presentation IDEATE 2019 organised by Rajadham Institute of Science & Technology, Trivandrum.
- Ken Ninan Prince & Akhil Krishnan of S4 C1 secured the first prize in the Quiz competition held at Bishop Jerome Nagar Institute of Science & Technology on 18-2-19.
- R.UDhanusree, Lekshmi V.R., Meghna S.M., Nice M. Basheer, Nabeel N.S of S6 C2 secured the third prize for innovative project "Desalination of sea water" in association with the National Hackathon 'EDEN 2019' organized by IEDC, MEC & Kerala Startup mission.

# Department of COMPUTER SCIENCE AND ENGINEERING

## Welcome



L. Mebil Bernaldu

Mr. L. Mebil Bernaldu (23 years of teaching experience) & Dr. Susan Augustine (12 years of teaching experience) joined the CSE Department as Assistant Professor & Associate Professor on 04-01-2019 and 01-07-2019.



Dr. Susan Augustine

## Congratulations



Mr. Jose Hormese got the Best Paper Award in the International Conference on Computational Vision and Bio Inspired Computing (ICCVBIC), Springer, Coimbatore, 29-30, Nov. 2018.

Mr. Jose Hormese, HOD, CSE

## PATENTS PUBLISHED

Dr. Susan Augustine published two patents and other patent filed

1. Indian Patent Application No. 201941022560 "IOT Based Intelligent Acoustic Microphone"- Published
2. Indian Patent Application No. 201941005223 "Smart Vision Wallet for Visual and hearing Impaired."- Published
3. Indian Patent Application No. 201841010035." System and method for cardless transactions using an automated teller machine (ATM)": filed

• Dr. E. Arun, published a paper "Literature survey on Secure auditing and Deduplicating data in cloud" in International Journal of Engineering, Applied and Management Sciences Paradigms (UEAM), Volume 54 Issue 1 April 2019.

• Dr. E. Baburaj, published a paper "An Optimal Trust Aware Cluster Based Routing Protocol Using Fuzzy Based Trust Inference Model and Improved Evolutionary Particle Swarm Optimization in WBANs" in International Journal of Wireless Personal Communications, Springer Volume 101, no 1, July 2018, PP 201-222 and he also published a paper "Fuzzy enabled congestion control by cross layer protocol utilizing ABC in WSN: Combining MAC, routing, non similar clustering and efficient data delivery" in Wireless Networks, Springer, October 2018.

• Mr. Jose Hormese, published a paper "A Convolutional Neural Network Approach to Road Classification from Satellite Images" in Journal of Theoretical and Applied Information Technology, Volume 96, No 23, Dec 2018 and he also presented a paper "A Comparison of Convolutional Neural Network Architectures for Road Classification from Satellite Images", in the IEEE International Conference on Inventive Research in Computing Applications (ICIRCA 2018), Coimbatore, India, 11-12, July 2018. He also presented a paper "Convolutional Neural Network with Fourier Transform for Road Classification from Satellite Images", International Conference on Computational Vision and Bio Inspired Computing (ICCVBIC 2018), Coimbatore, India, 29-30 November 2018. He has submitted a paper titled "Identification of Water and Green Regions in Open Street Map using Modified Densitometry 3 Channel Algorithm", at the 11th IEEE Latin- American Conference on Communications (LATINCOM 2019).

• Ms. Keerthi Krishnan published a paper "Automatic Summary Generation by extracting Core Contents from a research article" in International Symposium on Artificial Intelligence & Computer Vision, September 2018.

## TRAINING PROGRAMMES



Three day FDP on "Internet of Things (IoT) & Cloud Architectures" on 20/07/2018 to 24/07/2018. The FDP was inaugurated by Dr. Sabu M Thambi, IIITMK, Thiruvananthapuram.



National Conference on "Emerging Trends in Computer & Communication Technologies( NCETCCT '19)" on 7th May 2019. The conference was inaugurated by Mr. Reji Thomas Mathew, Founder & COO, TechMasters, Technopark.



Project Expo conducted on 12-06-2019. All S8 Students participated in this event.

• Dr. Sheeja Agustin published a paper "A summary of Literature Review : Face Recognition" in International Journal of Engineering Sciences & Research Technology(IJESRT), Vol.8, Issue 4, April 2019 and she also presented the paper "Types of Neural Network - An Overview" and "Face Recognition in CCTV Systems" in National Conference on Emerging Trends in Computer & Communication Technologies, Marian Engineering College and in International Conference on Communication and Electronics Systems (ICCES 2018).

• Ms. Mercein Francis published chapters "Implementation of Data Mining Algorithm with R and Image Segmentation for Feature Extraction: A study on Disease Diagnosis in Agricultural Plants in Sentiment Analysis and Knowledge Discovery in Contemporary Business and Feature Dimension Reduction for Content-Based Image Identification of IGI Global Publishers.

• Ms. Jyothi Johnson published two papers "A Comparative Study- Dehazing Method Based on Homomorphic Filtering & Linear Transformation" and "Fast Image Dehazing Method Based on Homomorphic Filtering & Contrast Enhancement" in International Journal for Scientific Research & Development, Vol.7, Issue 2, May 2019 and in International Journal for Scientific Research & Engineering Trends, Vol 5, Issue 2, April 2019 and she also presented the paper "Fast Image Dehazing method based on homomorphic filtering & contrast enhancement" in International Conference on Innovative Trends in Science & Technology.

• Dr. Susan Augustine published two papers "Certain Investigations on Reversible Image Watermarking" in Indian Journal of Science & Technology, Vol 12(15)DOI:10.17485, April 2019 and "Secure Storage Allocation Scheme Using Heuristic Algorithm for Cloud" in Journal of Advanced Research in Dynamical & Control Systems, Vol. 10, 11-Special Issue, 2018, pp 897-909.



Orientation class for first year students on 20/09/2018 by Mr. Justin George, Team Lead, Infosys Ltd.

## STUDENT ACHIEVEMENTS

- Jith of S4R2 got 10/10 for the S2 examination held in 2018.
- Aleena Nair and Anagha P S won first prize for their project presentation at VKCET on 15th March 2019.
- Abhijith Anand L (S4R2) and his team won first prize in Eden 2.0 – a hackathon programme organized by IEDC, Marian Engineering College.
- Melvin Ebenezer and his team of S4R1 won second prize in Eden 2.0 – a hackathon programme organized by IEDC, Marian Engineering College.
- Akash S D and team of S2R1 won 1st prize in Inter-college quiz competition held at Government Engineering College, Barton Hill.

## COMPUTER ASSOCIATION ACTIVITIES



Inauguration of Marian Association of Computer Science on 07/11/2018 by Mr. Vishak Premraj, Project Manager, Infosys Limited.

- 3 day Workshop on Computer Vision and Deep Learning organized by CSE department in association with IEDC from 08/03/2019 to 10/03/2019. Total 43 participants including students from other colleges.
- Association had conducted student centric following competitions during 2018-19  
Association Logo Designing Contest on 2nd November 2018, Exhibition on History of Computers on 25th February 2019, Blind Coding Competition on 24th March 2019, Fast Finger Competition on 4th April 2019, Online Photography Contest on 15th April 2019.

## CSI ACTIVITIES

Software training workshop on 'Introduction to Website Designing' on 10th November 2018 handled by Ms. Aarcha Mohan from Mechatronics Club of MEC.



CSI organized a session on "Cyber Security and Ethical hacking" on 1st February 2019 by students Natasha and Manoj of S2R2.

## EXPERT TALKS

- Dr. Biji C.L, Department of Computational Biology and Bioinformatics, University of Kerala Served as the resource for the talk on Birds Eye View of Computational Biology and Bioinformatics on 10th October 2018.
- Department of CSE organized a placement oriented class on "How to develop fluency in English" for the final year students on 04/09/2018 from 10.30am to 12.30pm. The session was handled by one of the alumni Mr. Rajesh Kumar who is currently a Business Analyst at IBS Trivandrum. The student comes to know about the importance of communication skill and technical knowledge during placements and challenges faced by passed out students to get a job through this session. A total of 55 students participated for the session.



Interaction session with Chief Executive Officer, Mr. Sabari Nair, Polus Software Pvt Ltd on 02/11/2018



Department of Computer Science and Engineering, Marian Engineering College signed a mutual memorandum of understanding (MOU) with Polus Software Pvt Ltd on 07/09/2018. The agreement was by Rev. Fr. Wilfred from college side and Mr. Abhilash G S, Managing Director Polus Software.

# Department of ELECTRICAL ENGINEERING

## Student Achievements



Muhammed Akshay



Muhammed Habeeb

Muhammed Akshay, Mohammed Habeeb Secured SGPA of 10, for second and first semester KTU examinations 2017 & 2018 respectively.

- The project "Solar Powered Automobile incorporated with wheel chair" done by Aswin R, Febin Ansan, Niranjana Vijayan and Swathy Krishna of S8,EEE has been selected among top 100 projects by KPIT Sparkle 2019. It is a global technology company that accelerates its mission on next generation mobility technology. Through Sparkle, they provide a platform for young researchers to showcase their research and engineering skill.
- Aswin Das of S8, EEE had won First prize, at the fest conducted by Rajahadhani college of Engineering and second prize at College of Engineering, Perumon for Solo Singing Competition
- Mohammed Akshay and Geo K George participated in the Tata Crucible quiz, by Asian School of Business, Pallipuram.
- Febin Ansan, Niranjana Vijayan of S8,EEE and Kokila.S of S6,EEE(College Team members) had won First prize for the dance competition Choreo Night at College of Engineering, Barton Hill and had also won prizes in dance Programs conducted in various colleges in Kerala.
- Niveditha Edward of S4,EEE (College Team member) won Second prize for Fashion show at Cult away, organized by SCT, Trivandrum.
- Abhijith Shekar of S4,EEE (College Team member) had won second prize in the Badminton tournament organized by Providence College of engineering, Chengannur.

## Research & Development

**Faculty:** Prof. Valsa basil has registered for Phd at KTU.

**Students:**

Students of fourth semester have done four different group project work, beyond their curriculum:

- Tesla coil - Daniel a Pereira, Brightson Basil
- Motor Dismantelling - Abbin V R, Mhd. Rashid, Austin .S
- Home Automation using Aurdino - H. Avinash Iyer, Unni Kamal
- IR proximity sensor - Abhijith J S, Nabeel Mohammed.

## FDP Organized

The department has organized a 3 day FDP on "Engineering Mathematics and Research Methodology" focusing on KTU PhD Entrance examination between 13/12/2018 and 17/12/2018. The resource persons were Dr. Dineesh Pai, HoD - Govt Engineering College, Barton Hill, Prof. Anaswara Jhonny, MEC, Dr. Sukumaran Nair (Rtd ISRO officer), LMCST. There were 30 participants from 7 colleges in Kerala. Co-Ordinators of the program were Prof. Remya Madhavan U and Prof. Reethu Dhanya.



## FDP attended

- Prof. Geena Suresh has attended three day FDP on "Distributed Generation & Smart Grids" at MBCET, TVPm from 30th July to 1st August 2018.
- Prof. Deepu R.S., Prof. Sujith Kumar attended, FDP on Operations & Control of Power system from 16th to 21st July, 2018 at CET, Trivandrum.
- Prof. Reethu Dhanya, Prof. Nikitha Gomez, Prof. Sumitra Kumari attended workshop on Block chain & Crypto currency at Technopark, on 10th July 2018.

- Prof. Remya Madhavan .U, Prof. Reethu Dhanya, Prof. Sumitra Kumari had attended a 5 day national workshop on Sustainable Energy Development, by Department of Mechanical Engineering, MEC & Kerala State Council For Technology & Environment, from 2/8/2018 to 6/8/2018.
- Prof. Sumitra Kumari has attended 3 day Student Incubation programme arranged by AICTE at Bangalore, in June 2019.
- Prof. Geena Suresh, Prof. Deepu R.S., Prof. Thanga Tamarai N G S, has attended a five day FDP on E-Mobility at SCT Pappanamcode, during 24th June-1st July, 2019
- Prof. Geena Suresh has attended three day FDP on "Advances in wireless Communication" at MBCET, TVPm from 8th to 12th, July 2019.
- Prof. Valsa Basil and Prof. Reethu Dhanya attended FDP on "Electric Vehicles Integration and Challenges" at TKMCE, Kollam during 8th -12th of July 2019.

## Conference organized



National conference on Innovations in Renewable Energy Technologies, NCIRET 2019 was organized on 2-3rd of May 2019. Prof. Thanga Tamarai NGS and Geena Suresh were coordinators. Dr. Shashi Kumaran Nair, Dr. N A Jose and Prof. Bindu chaired the conference.



Advisory Committee meeting was held on 21/07/2018. The Members of the Committee were, Sri Hareendralal, Director of Ananthaganga, former IEEE chair, Dr. Bindhu G. R -Professor, GEC, Wayanad. Dr. Vijayalakshmy .S, HoD Marian Engineering College, Prof. Valsa Basil, Prof. Thanga Tamarai N.G.S, Prof. Deepu .R.S, Prof. Nikitha Gomez

## Association Activities

- Inaugural ceremony of Vidhyut 2018, was organized on 13/08/2018. The chief guest was Dr. Harikumar, Director of ANERT-Govt of Kerala. Toppers of the university exams from different semesters were honored at the event.
- A talk on Artificial Intelligence was made by Kevin Thomas Miranda of seventh semester.
- Technical quiz was conducted on 18/09/2018. Jayakrishnan of s5 secured first place followed by Cindrella, Sam Issac of s3 with 2nd position and Ajay Ravi of s7 with 3rd position.



Workshop on Home Automation conducted on 2/10/2018 in collaboration with RoboCET



Technical talks on Career Guidance by Rajesh P.S. on 4/10/2018.



Talk on lighting design was conducted by Adithya S of Sodfos Engineering Consultancy, on 2/10/2018

- A Gate awareness program was conducted for s5 students by Dr. A.C Mathew of Gate Forum.
- Eight semester students has done an Exhibition "3-phase Regenerated, focusing on prototypes based on renewable Energy Resources on 2-3rd May 2019.



A workshop from Enigma 2.0



Expert Talk on Hybrid Vehicles by was Dr. Nisha G K of MBT



Marian Engineering College signed an MoU with OTTOTRATIONS, a Government of India, Empanelled Accredited Energy Auditor, BEE on 26-10-2018. Dr. Suresh Babu, Management, Head of various departments and Head, staff of the EEE department attended.

An industrial visit to Water treatment plant and 11kV substation at Aruvikara for fifth and seventh semester students accompanied by Prof. Remya Madhavan U and Prof. Reethu Dhanya on 6-10-2018.

## Clubs / Prof. Society activities

Enigma 2.0 had been conducted by IEEE SB MCE, incorporating workshops on four different areas( IOT, AI, cyber security & hacking, Google Sketch) on 10,11,12 th of August 2018.



Fifth semester students visited Ace Tools and Components, Bangalore on 18-10-2018, accompanied by Prof. Sujith Kumar and Prof. Anaswara Jhonny. Seventh semester students visited Thennala Hydro electric power station accompanied by Prof. Thanga Tamarai NGS and Prof. Sujith Kumar. Third Semester students has undergone a five day training from 21-1-2019-25-1-2019, at Ottottractions and Energy Management Centre.

# Department of MECHANICAL ENGINEERING

## FACULTY ACHIEVEMENTS

- A text book on "Engineering Mechanics" written by Asst Prof. Rajaneesh was launched by Dr. Ramchandran.



- Godwin Glivin received Phd on Bio gas generation with non-uniform feeding of bio digesters: A 365 day investigation cum simulation studies Anna University, Chennai on December 2018.



## FDP attended

- Arun J attended FDP on Design of Experiments SRM Institute of Science and technology, Kattankulathoor, Chennai from 07/02/2019 to 08/02/2019.
- Arun J attended FDP on Optimization Techniques in Engineering Applications, Kattankulathoor, TKM college of Engineering, Kollam from 31/12/2018 to 05/01/2019.
- Madhavan R attended FDP on Sustainable rural habitat – Returning to our roots, IISc Bangalore from 12/01/2019 to 13/01/2019.
- Madhavan R attended FDP Composite Materials and Structures: Processing and Fabrication, Analysis and Design, Sri Jayachamarajendra College of Engineering, Mysuru from 31/12/2018 to 11/01/2019.
- Arun Kumar V attended FDP on Nano fluidics: Theory, computation and Applications, IIT Madras from 28/01/2019 to 02/02/2019.
- Sonia S Raj attended FDP on Optimization Techniques in Engineering Applications, TKM college of Engineering, Kollam from 31/12/2018 to 05/01/2019.
- Sandeep E attended FDP on Research: From Scratch to Success, TKM college of Engineering, Kollam from 07/01/2019 to 11/01/2019.
- Maneesh T attended FDP on Recent advances in manufacturing, St. Joseph's college of Engineering and technology, Palai from 07/01/2019 to 11/01/2019.
- Rahul R S attended FDP on Design and Engineering, Sarabhai Institute of Science and technology velland from 03/12/2018 to 07/12/2018.
- Abhiroop V M attended FDP Optimization Techniques in Engineering Applications, TKM college of Engineering, Kollam from 31/12/2018 to 05/01/2019.
- Dr. Godwin Glivin attended FDP on Design of experiments, K Ramakrishnan College of Engineering, Samayapuram, Trichy from 20/12/2018 to 22/12/2018.

## Faculty Publications

- Mr. Arun Kumar V published paper on "Evaporation of a liquid droplet in the form of nanoparticle" in Journal of Heat Transfer 140 (5), 054501-2018 on May 2018.
- Mr. Abhiroop V M published paper on "Numerical investigation on the pressure drop characteristics for steady and pulse flow along a compact regenerator" in Indian Journal of cryogenics in volume 43 on May 2018.
- Dr. Berlin Selva Rex published paper on "A comprehensive combustion kinetics modeling study of iso octane and air mixtures" in International Journal of Modern Engineering Research (IJMER) Vol.4 Issue. 2, on May 2018.



*Welcome*  
*New Head of the Department*

**Dr. Sabu K.,** BTech (TKM), MTech (NIT Calicut), PhD(Kerala University)

## Faculty Paper Presentation

- Mrs. Sonia S Raj Presented a paper titled "Optimization of Fabrication parameters on Hybrid Fiber Reinforced Polymer Composite By ANN Design" in the 2nd IEEE International Conference on Innovations in Power and Advanced computing Technologies in Vellore Institute of Technology, Vellore on 22nd March 2019.
- Mrs. Sonia S Raj Presented a paper titled "Characterization of Bio metrical, Physical and Mechanical Properties of Areca Fibers" in the International Conference on Design, Materials, cryogenics and constructions in Vel-Tech Institution on 28th March 2019.

## FDP's and Conferences conducted by the department



Organized national workshop on "Sustainable energy development" jointly organized by Marian Engineering College and KCSTE on July 2018.



National Conference on Advances in Energy Efficient Technologies (NCAET-2019) on May 2019.

## Students Achievements



Abhinand S of S7 mechanical receiving first prize on district level quiz competition conducted by SACHIRAM in Trivandrum on May 2019.



- Nolan Charles Represented KTU University Football team in the All Indian University Football Championship.
- Pranav P secured A-grade Diploma in Kerala Nadanam from Guru Gopinath Natana Gramam, Kerala Cultural Department in November 2018.
- Pranav P secured Kalaprathibha in Marian Arts fest on November 2018.
- Robin Philip, Jabin V Biju, Jijos Joy, Jeffin T R developed a project named 'Jackfruit Bulb Separation Machine' (JASM) used to separate the bulb from jackfruit. They filed a provisional patent for the same. The Project was undertaken by Govt of Kerala and had signed MOU with Kerala Agro Machinery Corporation Ltd (KAMCO) along with the college.
- Abhinanth J and Gayathri Devan B of S6 Mechanical has won second prize in the competition 'YUVA VANI' conducted by All India Radio Trivandrum as a part of Gandhiji's 150th birth year celebrations.
- Mechanical Department was crowned the Football champions in the Marian Sports Day.
- Mechanical Department was crowned the Volleyball champions in the Marian Sports Day.
- Mechanical Department was crowned the Basket ball champions in the Marian Sports Day.
- A technical talk on 'Wrangle Engine' was conducted by Sreenath S S, S8 M2 organized by the Auto Club.
- Aneesh M. S J won first prize in Burn the ramp, Mar Baselios Christian College of Engineering & Technology on April-19.



# NSS ACTIVITIES



KARUNYA Special School Visit (Pothencode) and NSS Academic Year Inauguration by Mr.Venugopalan Nair, Panchayat President on 1/8/18.



"Flood relief campaign" on 18/08/2018 at Azhur Community hall. Goods and commodities around 25,000/- were collected from the students and faculties of our college



"Flood relief activity" on 30/08/2018 at Ayiroor Panchayat Pathanamthitta . Provide services for flood affected areas with 49 VOLUNTEERS, 65 STUDENTS and 25 FACULTIES.



Orientation and campus cleaning program conducted on 08/09/2018.



Blood donation camp at Marian Campus was conducted on 03/10/2018 and 14/5/19



Program conducted at Govt. mental hospital on 02/10/2018



Orientation program of stem cell registry India was arranged on 23/10/2018



Pictorial display arranged on 01/11/2018 as part of Kerala Piravi at Marian Campus



NSS-day celebrated on 24/09/2018.



## STUDENT WELFARE COMMITTEE ACTIVITIES



'Higher Education Opportunities in Australia' was conducted by IDP, co-Owner of IELTS on 7th February 2019 at Marian engineering College



'Higher education in Management' was conducted by TIME institute for the third year students.



The debate and quiz club of Marian student welfare committee was inaugurated by Prof.Jose Hormese, Hod of CSE on 01-March-2019, the inauguration was followed by a friendly debate



Debate Competition on 8th March 2019 , as part of Womens Day Celebrations



Token of Love distributed by The Welfare Team of Students.

## THOUGHT OF THE MONTH

### Why Me?

"Why Me?" A Beautiful Message by Arthur Ashe, The legendary Wimbledon Player who was dying of AIDS, which he got due to Infected Blood he received during a Heart Surgery in 1983 ! During his illness, he received letters from his fans, one of which conveyed :

"Why did God have to select you for such a bad disease ?"

To this Arthur Ashe replied :

- 50 Million children started playing Tennis, 5 Million learnt to play Tennis, 500 000 learnt Professional Tennis, 50 Thousand came to Circuit, 5 Thousand reached Grand Slam, 50 reached Wimbledon, 4 reached the Semifinals, 2 reached the Finals and 1-when I was holding the cup in my hand, I never asked God :

"Why Me?"

So now that I'm in pain how can I ask God : " Why Me ?"

Happiness ... keeps you Sweet ! Trials ... keep you Strong! Sorrows ... keep you Human ! Failure ... keeps you Humble ! Success ... keeps you Glowing ! But only, Faith ... keeps you Going! Sometimes you are not satisfied with your life , while many people in this world are dreaming of living your life. A child on a farm sees a plane fly overhead dreams of flying, while a pilot on the plane sees the farmhouse and dreams of returning home.

That's life!

Enjoy yours ... If wealth is the secret to happiness, then the rich should be dancing on the streets. But only poor kids do that.

If power ensures security, then VIPs should walk unguarded. But those who live simply, sleep soundly. If beauty and fame bring ideal relationships, then celebrities should have the best marriages.

**Live simply, be happy! Walk humbly and love genuinely!**