

# **NEWS** **LETTER**

**THE QUARTERLY**



## ***Muthoot*** ***Institute of Technology & Science***

**VARIKOLI | ERNAKULAM | KERALA**  
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# CONNECT 2 MITS

**YEAR 2019**

**ISSUE 3 | VOLUME 4**



## **VISION**

To be a centre of excellence for learning and research in engineering and technology, producing intellectually well-equipped and socially committed citizens possessing an ethical value system.

## **MISSION**

1. Offer well-balanced programme of instruction, practical exercise and opportunities in technology.
2. Foster innovation and ideation of technological solutions on sustainable basis.
3. Nurture a value system in students and engender in them a spirit of inquiry.

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**EDITORIAL** On Converging.

In a growing country like India, engineering youth not being employable or not being able to match the employability criterion may worsen economic and social conditions in the coming future. Companies are spending around 3-6 months training hired students to make them employable and start delivering the required output. Discussions are still going on at various higher level of education as to improving and modifying curriculum and leveraging pedagogical approaches and styles. But considering the pace at which it should be approved and implemented is a matter of apprehension and is to be seriously taken up, pushed forward and implemented. Innovative methods should be employed to make students industry ready. Intensive, on - campus, hands-on training from experts with industry interface can alone bring in constructive change and contribute towards making engineering students employable and adequately skilled. Instruments that provide incubation to help usher the wider proliferation of innovative tech-driven enterprises are proving to be a great promise. Let's get geared up for 2020 record in- nings and innovative pitches. Excellent team work, strategy and innovativeness should be the buzz words.



## INDUCTION PROGRAM, GYANADEEKSHA, for the freshers, 2019.



**Gyandeeksha 2019-** First year initiation programme Gyandeeksha 2019 was held on 1 August 2019. All first year students (2019 admission) with their parents attended the programme. Which commenced with the lighting of the lamp by chief guest Mr. Joseph Korah, Chief digital and technology officer, EAS and Centre head, CTS, Kochi, Principal, Vice Principal, Executive Director and a first year student. This was followed by the lighting of candles by Principal, HODs, senior students and all first year students as a mark of initiating of their education at MITS. Dr.Chikku Abraham,Vice Principal gave the welcome address. The chief guest Mr Joseph Korah delivered the keynote address.

**Induction 2019-**Induction programme for the first year students was conducted from July 22 to Aug 9th spanning 9 days. The objective of the programme is to enable students to have a smooth transition from school life to professional college life. External resource person sessions included a motivational talk by Father Thomas Pereppadan, Former Director, Renewal Centre, Kaloor, an awareness on cyber crime and proper cyber usage by Mr. Bobby Kuriakose, Senior Civil Police Officer, Cyber Cell, Aluva and a spiritual session 'Inspiring Lives' by Mr. Harisankar Nambiar, Professional College Freelance Trainer.

***"Most of us spend too much time on what is urgent, and not enough time on what is important." - Steven Covey***

## News & Events



### Mechanical Engineering, July 13, 2019.

Our Bicycle Design team " Mech Marvel " of S5 ME won second place for Best Maneuverability Award at the SAE India Southern Section Bicycle Design Competition 2019 held at Kongu Engineering College, Erode on 2nd and 3rd August 2019. They won a cash award of Rs 7,500/- among 47 competing teams from across the country. Team Members :- Abhijith Dileep, Balagopala Menon, Ramkumar D, Arshadali K. and Yadukrishna P. Faculty Advisor, Alvin Thariyath.



### Tatva 2019, held at NIT Calicut.

Tatva 2019, held at NIT Calicut. Ms.Devika R.B, Ms. Kezia Helen Babu, Ms.Aleena Binoy, Ms.Christeena Shaji and Ms.Aneena Santosh of S3, ECE won the first prize in the 'Interface startup expo' for their project titled 'Smart medicine box'.

### Students achievements.

Mr. Jishnu P. Saju (2016-20 batch EEE) was selected and underwent 1 month paid internship (Rs.10000/-) at Confident Electronics, Bangalore. Alisha Antony, Nikhil Joji, Jishnu PS, Amala Abraham of S4 CSE won First prize in Cognizant Salesforce Day Hackathon held at Bangalore on 8,9,10 July 2019.

### Activities.

**Three day Workshop** on Electronic product building (8/8,19/8,20/8) by Mr. Antu Dominic (Technical consultant and trainer) 2018-22 batch EEE.

**Talk by Dr. Anil B, Former Principal, GEC Barton Hill** (Session on NBA and the need for the program to get accredited) and Er. Kala, KSEB Retired Engineer (Session on Electrical power generation, transmission and distribution) on 07/08/2019 2016-20 batch EEE.

Department of Computer Science and Engineering organized a **5-day faculty development programme on Research Trends in Computer Science** from 2nd July 2019 to 6th July 2019.

### Faculty Achievements.

Dr. Chikku Abraham Vice Principal, Dr.Gylson Thomas EEE, Mr.Baiju Karun ECE, Rakhee M CSE & Dr.Pradeepmon G ME- **Appointed as KTU external auditors.**



**Letter of Appreciation** to Asst Prof Mathew Prince Korah Philip from Chief Minister of Kerala for coordinating District level rescue and rehabilitation services in the aftermath of flooding in August 2018.





MITS TALK series -6 “Machine Learning in Biology & Medicine” was held on Tuesday 29th October 2019 at Albert Einstein Hall. Dr.Joshy George, Associate Director, Computational Sciences, Jackson Laboratory for **Genomic Medicine, Connecticut, US**- is the speaker.



Technical talk on “Economical and Durable Concrete using Blended Cements” and Newsletter release – **ETERNIA'19**. A talk on Engineering our future was given by Mr. Muralee Thumarukudy, (Chief disaster Risk Reduction, UN Environment programme)



Department of Civil Engineering, MITS organized the Installation ceremony of Office Bearers of Civil Engineering Association – ETERNIA for the academic year 2019-20 and release of departmental **newsletter ETERNIA'19** on 2nd September 2019. The event was honoured by the presence of Er.Sebin Jose, Asst. General Manager, Customer service, Zuari Cement Ltd.



Six day Faculty Development Program organized by CSE Dept. Dec 4<sup>th</sup> 2019.



## **“INFINITUM”- INTRA-COLLEGIATE QUIZ COMPETITION**



**Quiz Club of MITS** conducted Intra-collegiate Sports Quiz- Khelo in two rounds. The winners of the event are Johan C Anil & K J Aravind Kumar of S3 Mechanical Engineering and runners up Abhilash J Pillai & Nimil Mathews of S7 Computer Science Engineering. The winners & runners-up were presented with Indian Super League Football Match (ISL) tickets & all the finalists were honoured with certificates of merit/participation. Dr. Neelakantan P C, Principal, MITS was the quiz master for the finale.



**Counselling Centre and Women’s Forum** jointly organized an invited talk for first year B.Tech Female students on the topic “GOOD HEALTH, HYGIENE AND WELL BEING IN WOMEN”. Dr.Vajrakumari, Ayush Medical Officer also addressed our students. In association with Laharivimuktha Club, an awareness talk by Sri Job V T, Faculty, Vimukthi Mission, Excise Department, Govt. of Kerala on the topic “SUBSTANCE ABUSE- FACTS AND PREVENTION” for first year B.Tech male students



Parama Bhattara KV School students attended a **Workshop on Artificial Intelligence**, coordinated by Faculty and students of ECE Dept.





**The project expo** held in project lab by S5, CSE students on 21/11/. There were exhibits regarding **E-waste management, Artificial Intelligence interventions used in health care sector, web developments and app developments for handicapped, QR scanner apps used for fake medicine detection,** and literary work aiding app and site promotions with inbuilt marketing tactics.



**Launch of Project Management Institute** academic forum at Muthoot Institute of Technology and Science on 22nd Nov, 2019.



**Three day Workshop on Electronic product building** (8/8/19) by Mr. Antu Dominic (Technical consultant and trainer) 2018-22 batch EEE.



S1 ME BATCH won the Intra-Debate competition held by **Engineers India Limited**, in connection with the **'Vigilance Awareness Week, an initiative of Central Govt of India.**



Students of MITS bags the **EMPARCH 2.0 Overall championship** in various competitions held by **TOASTMASTERS, Kochi Chapter.**

*It's not enough to be busy, so are the ants. The question is, what are we busy about?*

## **Faculty Accolades**



Dr.Sandeep M.S,CE Dept, awarded PhD from NIT Trichy. Research topic: Strength and Behaviour of Steel Fiber Reinforced Concrete Deep Beams.



Dr.Jani Das, EEE Dept, awarded PhD from IIT Bombay. Research topic: Variability Analysis of Isolated Renewable Energy.



Dr.Renju Rajan, BS&H Dept, awarded PhD from VIT Vellore, Tamil Nadu. Research topic: Bose-Einstein condensation of photons in optical cavities and photonic crystal fibers with application in optical computing.



Dr. Gincy. P. Kuriakose, BS&H Dept, awarded PhD in English from Bharathiar University, Coimbatore. Research topic: 'Dystopian Literature'.

### **Faculty Paper Publications**

1.M. Dhileep, P. D. Arumairaj, and G. Hemalatha, titled "A dynamic correction for the seismic analysis of structures", Innovative Infrastructure Solutions.

2.Dhileep M.,Sunith John David, titled "Problems in a water distribution network-A Case Study", Proceedings of the Annual International Conference on Emerging Research Areas, AICERA 2019.

3.Sandeep M S,titled "Development of Models for Predicting Strut Efficiency Factors for Conventional and Steel Fibre Reinforced Concrete Deep Beams" , Material Science Forum.

4.Tessy Mol Cyriac, titled "Effect of magneto-hydrodynamics and couple stress on static and dynamic characteristics of secant slider bearing", international conference, School of Applied Sciences, REVA University, Bangalore.

5.Dr. Chikku Abraham, Ms. Preenu Paul. titled "Isolated switched boost DC-DC converter with coupled inductor and transformer" is presented in IEEE region, TENCON 2019.

6.M. Dhileep, Ajesh K. Kottuppillil and Babu Kurian, titled "Orientation and proportion in Indian traditional domestic architecture", Interdisciplinary Science Reviews,

7.Sunith John David,titled "A Comparative Study on Scour Depth Analysis around Bridge Piers on Different Soils", Proceedings of the Annual International Conference on Emerging Research Areas AICERA 2019..

8.Mary Lissy P N, Dr. G Madhu, Dr. Roy M Thomas, titled "Polypyrrole/Alumina-Iron Oxide Nanocomposite for Removal of Copper Ions from Aqueous Solutions", Materials Science Forum.

***The key is in not spending time, but in investing it.– Stephen R. Covey***



## 2016-20 Batch Placements - 188 Offers (Till date)



### RECRUITERS

### SPORTS



MITS Physical Education department in association with College student's council organized **Annual Sports and Games 2019-'20**, 'SPARK 2019'. All major Games like Football, Cricket, Basketball, Volleyball, Throw ball, Table Tennis, Chess and Caroms were conducted in house .



MITS Men team has won the Runners Up position in the APJAKTU D-Zone inter collegiate basketball tournament held at FISAT.

**CHAMPIONS KEEP PLAYING UNTIL THEY GET IT RIGHT.**



**MITS women Table Tennis team** has won the 2nd Runner Up position in the APJAKTU D-Zone inter collegiate Table Tennis Tournament held at FISAT.



MITS Chess team (Men and Women) participated in the KTU D-Zone inter collegiate **Chess tournament** held at Rajagiri School of Engineering and Technology.



## NSS HIGHLIGHTS



**Official handing over of the House** built with support from MITS Staff Welfare Fund, at Chennamangalam, Paravoor.



**World Food Day-** Visit to Mother Care.



Housing Project at Kumarakam. New Venture by Civil Engg Dept.



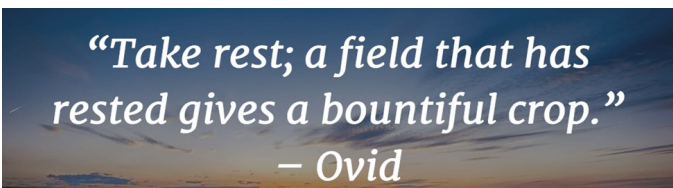
S5 students with two faculties from CE Dept. visited Sree Poornathrayeesha Vridha Sadanam – old age home in Ernakulam. Mr. Anilkumar, Orphanage councilor, Social justice department. gave a talk on **“Importance of palliative care”**.



Site-visit to retaining Wall and Box culvert site under the project of LSGD Puthencruz panchayath, by S5 CE students along with faculties and Technical staff.



Medical camp at Nermal colony.







### **Flag Hoisting August 15<sup>th</sup> 2019.**

Here's to the future, full of understanding, appreciation and gratitude. Happy Independence Day!



### **Manorama Yuva Mastermind.**

Selected team-S5ECE-Albin, Anjana, Joseph and Vaishnavi, Mentored by -Mr. Baiju Karun, Dr. Arunkant A Jose.



Street play, by the **Women's forum** of MITS. 15 students from different branches performed in the play.



The Launch of Cultural events for the AY 2019-20 on 13th November 2019 – **“Tharangam 2k19”**.



### **ONAM # Festivities # Flowers # Fragrance # Fun # Food # Flavour**

*Better three hours too soon, than one minute too late.- William Shakespe*





**Muthoot  
Institute of Technology & Science**

**B Tech Eighth Semester examination results,  
MITS is at first position in the State.**

**B Tech Sixth Semester examination results, MITS  
is at first position in the State.**

**B Tech Fourth Semester examination results,  
MITS is at fifth position in the State.**

**2020**

**HAPPY NEW YEAR**



*Merry  
Christmas*

“Lack of direction, not lack of time, is the problem. We all have twenty-four hour days.”

– Zig Ziglar