



# M E S College of Engineering Kuttippuram

## Department of Mechanical Engineering

Volume 4

NEWS LETTER 18-19

Issue 1



### Messages from Principal Desk

"I am pleased to share with you the sixth E- News letter from Mechanical Engineering Department, MESCE. I am sure that you will be delegated to go through this. I am happy to see that Students and Faculty members of Mechanical Engineering Department emerged with innovations and research works which were transformed into a valuable News letter in your heart."

Dr. A.S VARADARAJAN  
(Principal, MESCE)

### VISION OF THE DEPARTMENT

To develop the Department as a premier destination of international community seeking advanced learning in Mechanical Engineering and to mould quality engineers to serve the society and the nation through innovation and creativity.

### AT A GLIMPSE

Student's Achievements

Departmental Activities

Workshops / Training

Guest lectures

Extra Curricular Activity

Industrial Visits

Research Publications

Mech.Engg.. Association

Lecture Delivered By Faculty

Faculty Achievements

New Staff Joining

Outgoing Faculty members

### Chief Editor

Dr. RAHUMATHUNZA I  
Professor & HoD (MED)

### Faculty Editor

Mr. Nidhin V C  
Asst.Professor. ME Dept.

### Student Editor & Designer

Mr.Mohammed Fasil V P - S7 ME

### Editorial Board

Mr. Ashraf - S7 ME

Mr.Safwan - S5 ME

Sree Rag - S5 ME

Emil Antony Saz - S3 ME

### MISSION OF THE DEPARTMENT

To impart quality education and effective training to students to mould them as professionally competent and innovative engineers with high ethical values for the benefit of the society and the nation by providing.

Best faculty, latest facilities, and healthy atmosphere conducive to higher level of learning, innovation and research.

Attractive co-curricular, extra-curricular as well as academic and scholarly activities that enable them to design systems, components and processes to meet the desired needs under the prevailing constraints, with a view on sustainability.



### Messages from HoD Desk

"Educational institutions contribute to the human progress through useful knowledge. Engineering colleges are more effective instruments of technical progress. They also contribute upliftment of Society. Department of Mechanical Engineering is a fore runner in this aspect. Students and faculty members of Mechanical Department are challenged to go beyond portals of classroom, by involving themselves in project work, professional conversation and by participating in different technical as well as co-curricular events.

Our newsletter records all the activities of Department of Mechanical Engineering. I hope and pray that the learn and apply climate will transform everyone to move forward and face the future with confidence."

Dr. RAHUMATHUNZA I  
(Prof. & HoD)

Department of Mechanical Engineering



## Student's achievements

The final year project of Mr. Muhammed Janish U and team has been selected for the forthcoming 13th national Innovation Challenge Program to be held at Kalasalingam Academy of Research and Education, Madurai on 23-06-2018.

Mr. Muhammed Janish U and team has won Gold Medal in the Preliminaries of 3rd International Invention Innovation Competition in Canada, iCAN 2018 and became eligible to attend the Finals of iCAN 2018 to be held at Toronto, Canada on 30-06-2018.

Mr. Suhail Shamsudheen (2015 admission) has attended internship training at LMT Automations 02-07-2018 to 21-07-2018.

Mr. Muhammed Safwan P M, Mr. Adhin Gopuj A & Mr. Hrithik Ganesh K (2016 admission) have attended Internship training at Minar Alloys and Forging pvt. Limited 09-07-2018 to 13-07-2018.

Mr. Jamsheed P, Mr. Sahal Galib Salim, Mr. Musammil Mohammed, Mr. Shihab P & Mr. Mohammed Shaham (2015 admission) have completed Internship Program at Pinacelle skoda 13-07-2018 to 20-07-2018.

Mr. Muhammed Fasil V P, Mr. Athul V. & Mr. Khamarudheen E P (2015 admission) have successfully completed industrial training at Ashok Leyland authorized workshop-Pavithran diesel garage, Thrissur 15-07-2018 to 25-07-2018.

The final year project of Mr. Muhammed Janish U and team won First Prize in 13th national Innovation Challenge Program, held at Kalasalingam Academy of Research and Education, Madurai 15-07-2018.

Mr. Nihal Abdul Nazer (2017 admission) has completed Internship Program at KSRTC, Nilambur 17-07-2018 to 21-07-2018.



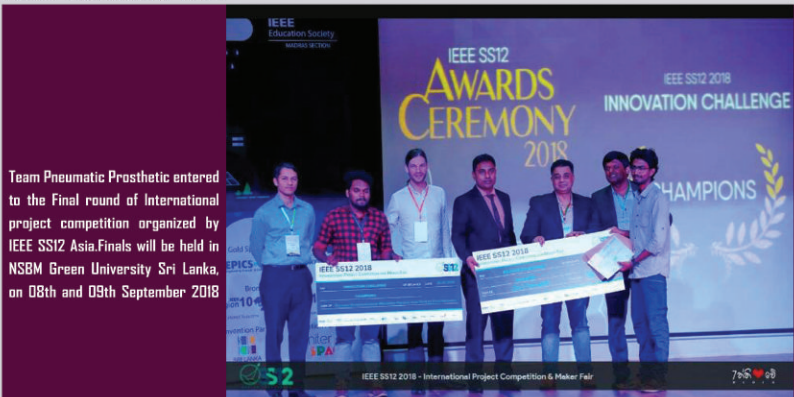
Scientist Dr. M Chandradhathan (Scientific Advisor, Govt. of Kerala) in interaction with students Janish and Arunkumar on their project prosthetic leg; nearby Shijukumar P S (Asst. Professor, IT, Coordinator of Puraskar 18 - Award ceremony) and guest house care taker Muhammad. (Courtesy for photography- Vishal SG, ME Dept. MESCE)

Mr. Akhil Jacob (2017 admission) has completed Internship Program at HPCL 17-07-2018 to 22-07-2018.

Mr. Razeen P H (2017 admission) has completed Internship Program at KSRTC, Edappal 17-07-2018 to 22-07-2018.

Mr. Suraj Kodakkatt & Mr. Sreehari K C (2017 admission) have completed Internship Program at Royal Enfield, Calicut 18-07-2018 to 22-07-2018.

Mr. Akhaya P & Mr. Arjun D (2017 admission) have completed Internship Program at KSRTC, Calicut 23-07-2018 to 27-07-2018.



Team Pneumatic Prosthetic entered to the Final round of International project competition organized by IEEE SS12 Asia. Finals will be held in NSBM Green University Sri Lanka, on 08th and 09th September 2018

Mr. Mohammed Ajmal K. V., Mr. Ajmal K. V., Mr. Mohammed Dilshan K., Mr. Mohamed Faris D., Mr. Mohammed Naseef T. A., Mr. Muhammed Fasal P & Mr. Faheem Ali K (2015 admission) have attended internship at Daimler India commercial vehicles, Chennai 27-07-2018.

Team Pneumatic Prosthetic entered to the Final round of International project competition organized by IEEE SS12 Asia. Finals will be held in NSBM Green University Sri Lanka, on 08th and 09th September 2018.

12 Students from ME Department attended one day workshop for volunteers jointly organized by District Panchayat Malappuram and ACT ON 26-08-2018.

Mr. Suhail Shamsudheen, Mr. Ananthu B., Mr. Nihal C P and Mr. Munawar Moidheen (2015 admission) were among the MES team for cleaning the flood-affected houses in the Kuttanad region 30-08-2018.

The Team prosthetic of MESCE became the Asian champion of Innovation challenge organized by IEEE SS12 2018 Project Competition held at NSBM Green University Sri Lanka 08-09-2018 to 09-09-2018.

44 students from ME Department participated in technical survey in Thavanur Constituency as a part of 'Rebuild Thavanur Constituency' 08-09-2018 to 09-09-2018.

The project entitled "COCOBOT-A Coconut Harvesting Robot" has been Selected as one of the best Ideas in a prestigious event IDEA FEST 2018 conducted by Kerala Startup Mission and recommended for financial assistance to make a prototype. The team include Mr. Nithin K., Mr. Aquib Jaleel, Mr. Sachin Ghosh and Mr. Suhail M Haris (2015 admission) 10-09-2018.

"Pneumatic prosthetic leg" is shortlisted for students engineering model competition under IISF (India International science Festival 2018) to be held at Lucknow 15-09-2018.

Ajmal Roshan and Vibinraj M B (2015 admission) have qualified the TCS national Eligibility Test and got selected for next round 15-09-2018.

Mr. Suhail Shamsudheen & Mr. Mohammed Naseef (2015 admission) participated in the Entrepreneurship Awareness Camps (EACs) sponsored by Department of S&T and conducted jointly by Entrepreneurship Development Institute of India (EDII), Ahmedabad and IEDC MESCE 14-09-2018 to 16-09-2018.

Mr. Ananthu B (2015 admin) was short listed for the interview of IBS 08-10-2018.

An Academic Excellence Award was presented to Mr. Muhammed Yasir K P (2016 Admn) for securing 1st rank in University exams (upto Semester 4) 11-10-2018.

An Academic Excellence Award was presented to Mr. Ananthu B (2015 admin) for securing 1st rank in University exams (upto Semester 6) 12-10-2018.

MES College of Engineering Kuttippuram got 3rd Place in KTU E zone Football Tournament. Mr. Hadhin Anjum T & Mr. Sachin K P (2016 Admn) were the team members 23-10-2018.

Mr. Suhail Shamsudheen & Mr. Mohammed Naseef (2015 admission) were among the organizers of two days flagship event, Inspiria'18 organized by IEDC MESCE 27-10-2018 to 28-10-2018.

The team of MESCE Kuttippuram - Aries Mark 1 has been selected to compete at the Indian Rover Challenge to be held at Manipal Institute of Technology. Mr. Ashfaq Umam & Mr. Saheem (2016 admin) are the members of Mechanical Sub team 08-11-2018.



The college team of MESCE was qualified to pre-quarters of KTU cricket tournament on 20th November

Mr. Mohamed Rishan, Mr. Muhammed Ijas, Abhijith Menon (2016 admin) & Muhammed Janish (2014 admin) were participated in Educational Science Exhibition 2018 organized by Radiology Dept., Nadakavil Hospital Valanchery 10-11-2018.

The college team of MESCE was qualified to pre-quarters of KTU cricket tournament. Mr. Muhammed Faheem, Mr. Afsal Mohammed, Mr. Sharukh Rasheed (2016 admin) & Mr. Vibin Raj (2015 Admin) were the team members 20-11-2018.

Mr. Mathew John (2015 Admin) & Er. Mohamed Jihad P M, AP, ME published a paper entitled "A review on green technology in HVAC" in International Research Journal of Engineering and Technology, Volume: 05 Issue: 11 01-12-2018.

The project of 2015 Admission students entitled "Tongue motion controlled wheel chair using FSR sensor" guided by Er. Ullas P AP, ME is short listed in Yuva Master Mind season 9 in College category and first review was held at Cad Lab, MA block 06-12-2018.

3 Students of 2017 Passout Mechanical Engineering are included among the top ranks of Calicut University. Mr. Adith S - Rank 14, Mr. Rajath P - Rank 33 & Mr. Mohamed Rashidul Ahasan C P - Rank 44 are the rank holders 15-12-2018.



Mr. Mohamed Rishan, Mr. Muhammed Ijas, Abhijith Menon (2016 admin) & Muhammed Janish (2014 admin) were participated in Educational Science Exhibition 2018 organized by Radiology Dept., Nadakavil Hospital Valanchery on 10th November.



## Departmental Activities

Course Viva of 2014 Admission BTech ME was conducted in the Cad Lab 19-06-2018 to 21-06-2018.

Thesis Evaluation of MTech Thermal Systems was conducted in the Department Seminar Hall. 27-06-2018.

The students of Hilltop Public school, Maravanchery visited the Make things lab and other laboratories of Mechanical Engineering Department 31-07-2018.

Department Alumni Meet was held at the Seminar Hall, Maulana Azad Block 11-08-2018.

MESCE is selected for conducting Draughtsman Mechanical and Operator Conventional Turning under PMKVY-TI program of AICTE & MHRD 29-08-2018.



Course Viva of 2014 Admission BTech ME was conducted in the Cad Lab 19-06-2018 to 21-06-2018 in the college auditorium on 17th February 2018.

Farewell to Mr. Subrahmanian K was organized by the Staff club in the dept seminar hall 05-09-2018.

ASME Student Chapter at MESCE was inaugurated by Dr. A S Varadarajan at College Auditorium 19-09-2018.

Er. Shyam G Pulickan (Former technical head ASME FISAT) & Er. Sriram Sankar (Former Chairman ASME FISAT) handled a "Orientation Session on ASME" for students 19-09-2018.

Dr. Mohamed Bedeuzzaman unveiled Department Magazine cover page at College Auditorium 19-09-2018.



Principal Dr. A S Varadarajan inaugurates ASME Student chapter; nearby Head of the Dept. Dr. Rahumathunza I, Vice principal Dr. Bedeuzaman and chief guest of the day Er. Gireesh Nambodhiri Scientist, ISRO- (Courtesy for photography- Vishal SG, ME Dept. MESCE).

The course- Draughtsman Mechanical was started under PMKVY-TI program of AICTE & MHRD 01-10-2018.

KTU Internal Audit was conducted in ME Department 09-11-2018.

KTU External Audit was conducted in ME Department 29-11-2018.

New Mechanical Welding & Carpentry Workshop was inaugurated by Dr. Varadarajan, Principal, MESCE 29-11-2018.

New FM Lab was Inaugurated by Dr. C P Muhammed, Joint Secretary, MESCE 29-11-2018.



New Mechanical Workshop inaugurated by Principal Dr. A S Varadarajan on 29th November.



New FM Lab inaugurated by Dr. C P Muhammed, Joint secretary, MESCE on 29th November.



Alumnus meeting of Mechanical Engineering Department-11th October 2018. (Courtesy for photography- Vishal SG, ME Dept. MESCE)

Er. Shamon K Shamsudheen, AP, ME has participated in the training programme on Research perspectives in emerging areas of industrial safety & environment engineering organised by Dept. of Mechanical Engineering, GEC Thrissur 03-12-2018 to 07-12-2018.

Mechanical Engineering Department has submitted five proposals for KTU sponsored Faculty development programs during 2019-20. 21-12-2018.



First Year Mechanical Engineering Department Orientation Programme 2018-2022 batch.



The course- Draughtsman Mechanical was started under PMKVY-TI program of AICTE & MHRD on 1st august. One of the coordinators Prof. Babu P, Dept. Of Civil Engineering address the gathering in inaugural ceremony.

## Workshops / Training

Mr. Suhail Shamsudheen (2015 admission) has attended internship training at LMT Automations 02-07-2018 to 21-07-2018.

Mr. Muhammed Safwan P M, Mr. Adhin Gopuj A & Mr. Hrithik Ganesh K (2016 admission) have attended Internship training at Minar Alloys and Forging pvt. Limited 09-07-2018 to 13-07-2018.

Mr. Jamsheed P, Mr. Sahal Galib Salim, Mr. Musammil Mohammed, Mr. Shihab P & Mr. Mohammed Shaham (2015 admission) have completed Internship Program at Pinacelle skoda 13-07-2018 to 20-07-2018.

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Mr. Suraj Kodakkatt & Mr. Sreehari K C (2017 admission) have completed Internship Program at Royal Enfield, Calicut 18-07-2018 to 22-07-2018.



### Workshops/Training

Mr.Akhay P & Mr.Arjun D (2017 admission) have completed Internship Program at KSRTC,Calicut 23-07-2018 to 27-07-2018.

Mr.MohammedAjmalK.V,Mr.AjmalK.V,Mr.Mohammed Dilshan K,Mr.Mohamed faris D, Mr.Mohammed Naseef T.A,Mr.Muhammed Fasal P & Mr.Faheem Ali K (2015 admission) have attended internship at Daimler India commercial vehicles, Chennai 27-07-2018.

Mr.Suhail Shamsudheen & Mr.Mohammed Naseef (2015 admission) participated in the Entrepreneurship Awareness Camps (EACs) sponsored by Department of S&T and conducted jointly by Entrepreneurship Development Institute of India (EDII), Ahmedabad and IEDC MESCE 14-09-2018 to 16-09-2018.

Mr.Suhail Shamsudheen & Mr.Mohammed Naseef (2015 admission) were among the organizers of two days flagship event, Inspiria'18 organized by IEDC MESCE 27-10-2018 to 28-10-2018.



Fabit workshop held as a part of INSPIRIA'18- Prof. Shine K with participants of the event.

### Guest lectures

Mr.Shabir Alvi(Project Manager,Datar Petroleum) handled a session on "Scope of Mechanical Engineers in Middle East" for final year students 10-08-2018.

Dr.K.Subbaiah,Professor,Anna University handled a session on Research Methodology for ME faculty members 15-09-2018.

An invited Expert talk on Deflection of beams was delivered by Er.Vidhya Kanakaraj,AP,CE,AP,ME Dept for S4ME students 19-11-2018.



Dr.K.Subbaiah,Professor,Anna University in his discussion on Research Methodology for ME faculty members on 15th September. (Courtesy for photography- Vishal SG, ME Dept. MESCE)

### Extra Curricular Activity

PTA Meeting of S3ME was organized in College Auditorium 10-10-2018.

PTA Meeting of S5ME was organized in Main Seminar 11-10-2018.

PTA meeting of S7ME was organized in College Auditorium 12-10-2018.

Industrial Visit cum tour of 2015 admin students was conducted to North India 13-10-2018 to 25-10-2018.

PTA meeting of SIME was organized in Main Seminar 22-10-2018.

### Industrial Visits

Industrial Visit cum tour of 2015 admin students was conducted to North India 13-10-2018 to 25-10-2018.



Study tour of final year students- Members of faculty Muhammed Azeem V and Ullas P with students.

### Mech.Engg.Association

Essay Writing Competition in connection with Teachers Day Celebration 2018 was organized by Mechanical Engineering Association of MESCE in ME seminar hall 05-09-2018.

Er.Gireesh Namboodhiri (Scientist,ISRO) delivered a technical talk on Non Destructive Testing at college auditorium 19-09-2018.

The activities of Mechanical Engineering Association (MEA) for the current Academic Year was inaugurated by Er.Gireesh Namboodhiri (Scientist,ISRO) 19-09-2018.



Inauguration of Mechanical Engineering Association Activities -Chief guest Er.Gireesh Namboodhiri Scientist,ISRO, Vice principal Dr. Beedu Zaman, Head of the Department Dr. Rahumathunza I, Association staff advisor-Prof. Shine K and student convener Nihal C P.

Mechanical Engineering Association of MES College of Engineering conducted a Quiz Competition for the students from high school/higher secondary schools in connection with International space week and World Students Day 15-10-2018.



Mechanical Engineering Association of MES College of Engineering conducted a Quiz Competition (15th September) for the students from high school/higher secondary schools in connection with International space week and World Students Day.



Prof. Subrahmanian K relieved from the Dept. on 5th September. Prof. Padmakumar K address the gathering held to appreciate and express gratitude towards him; nearby Head of the department Dr. Rahumathunza I. (Courtesy for photography- Vishal SG, ME Dept. MESCE).



Er.Padmakumar K Ast.Professor receives owner from Dr. M Chandradathan Scientific Advisor Gov. of Kerala as an appreciation for guiding the students who developed Prosthetic leg.



#### Mech.Engg..Association

MEA(Mechanical Engineering Association) of MESCE has conducted a 'Pollution Testing Campaign' at Car parking shed (infront of CSE block) premises of campus 24-11-2018.



MEA(Mechanical Engineering Association) of MESCE has conducted a 'Pollution Testing Campaign' at Car parking shed.



Dr. A S Varadarajan honouring the winners of Quiz Competition (15th September) for the students from high school/higher secondary schools in connection with International space week and World Students Day organized by Mechanical Engineering Association.

A Seminar on 'Additive Manufacturing Technology:3D Printing' by Tokuzo Suga,Suga Systems Inc.,Japan was organized by MEA(Mechanical Engineering Association) of MESCE 28-11-2018.



#### Lecture Delivered By Faculty

Dr.Rahmathunza I handled a session on "Significance of engineering drawing" for first year students in connection with orientation program 02-08-2018.

Mr.Shine k handled a session on "Introduction to FabLab" for first year students in connection with orientation program 02-08-2018.

Mr. Shine K delivered a lecture at AlHaramain School Calicut,in connection with 'Mentor of Change' as a part of Atal Innovation Mission of NITI Ayog 07-09-2018.

Mr.Shine K was a Resourse person for workshop on Fablab held as a part of FRIZBEE '18 conducted by IEEE 06-10-2018.



Mr. Shine K in technical presentation at AlHaramain School Calicut,in connection with a program titled 'Mentor of Change' organized as a part of Atal Innovation Mission of NITI Ayog on 7th September.



Workshop on Fablab held as a part of FRIZBEE '18 (8th August) conducted by IEEE.

Mr.Shine K was a Resourse person in an awareness workshop on fablab organized for students of Ansar English School,Perumbilavu 26-10-2018.

Mr.Shine K was a Resourse person in Fabit workshop held as a part of 'INSPIRIA' 18 the flagship event of IEOC MESCE 27-10-2018.



An awareness workshop on fablab (26th August) organized for students of Ansar English School,Perumbilavu..

An invited Expert talk on 'Renewable Energy' was delivered by Er.Vishal S G, AP,ME for SIECE students13-11-2018.





### Lecture Delivered By Faculty

An invited Expert talk on Computer Aided Design was delivered by Er. Akhil V M,AP,ME Dept for S7EEE students 28-11-2018.



An invited Expert talk on Deflection of beams was delivered by Er.Vidhya Kanakaraj,AP,CE,AP,ME Dept for S4ME students 19-11-2018.



### Faculty Achievements

Mr. Subrahmanian K was one among the Co-ordinators of Career Focus-2018 held at Ansar English School, Perumbilavu 09-06-2018.

Mr. John Paul has successfully completed an online course-Introduction to Thermodynamics: Transferring Energy from Here to There authorized by University of Michigan and offered through Coursera 28-06-2018.

Mr. Mohamed Kutty was honoured for his excellence in socially committed activities by IMA Ponnani Chapter in connection with Doctor's Day Celebration 01-07-2018.

Dr.Rahmathunza I attended the meeting of the Board of Studies in Engineering(PG) at Calicut University 03-07-2018.

Mr.Padmakumar K was one among the co-ordinators of One Day Workshop on Intellectual Property Rights held at MESCE and jointly Organized by Patent Information Centre - Kerala,KSCSTE & IPR Cell, MES Innovation Centre 10-07-2018.

Mr. Arun S,Mr.Akhil V M,Mr.Subrahmanian K,Mr Maneesh M V,Mr.Manomohan P V Mr.Prakash M P,Mr.Santhoshkumar PP have attended One Day Workshop on Intellectual Property Rights held at MESCE and jointly Organized by Patent Information Centre - Kerala, KSCSTE & IPR Cell, MES Innovation Centre 10-07-2018.

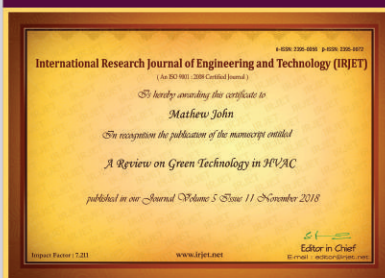
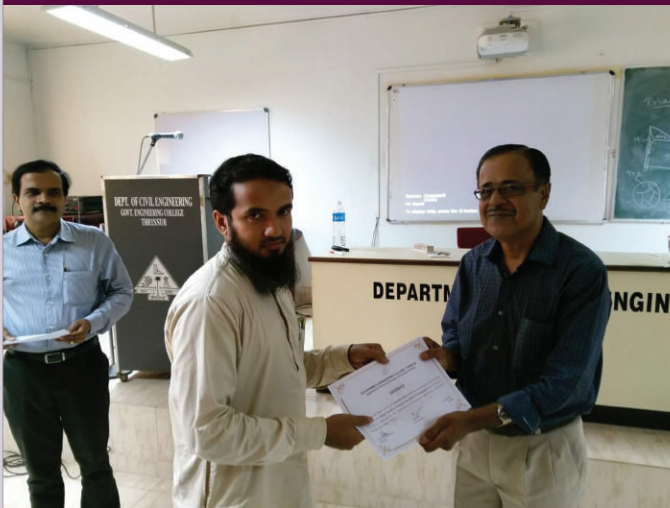
Mr. Shine K & Mr Mohamed Jihad P M were delegated as the Evaluators of various events in the INFINITY2K18,technical festival of KCAET, Thavanoor 12-07-2018 to 14-07-2018.

Mr.Padmakumar K was delegated as Evaluator for shortlisting the final applications eligible for the July edition of 'IDEA DAY' organized by Kerala Startup Mission 23-07-2018.

Mr. Padmakumar K handled a session on Makethings Lab for students of Hilltop Public school,Maravanchery 31-07-2018.

Er. Padmakumar K,AP,ME was delegated as evaluator of Ideas in Young Innovators Programme held at Albertian Institute of Science and Technology,Cochin18-11-2018.

Mr.Mathew John(2015 Admn) & Er.Mohamed Jihad P M ,AP,ME published a paper entitled "A review on green technology in HVAC" in International Research Journal of Engineering and Technology,Volume:05 Issue: 11 01-12-2018.



Mr.Mathew John(2015 Admn) & Er.Mohamed Jihad P M ,AP,ME published a paper entitled "A review on green technology in HVAC" in International Research Journal of Engineering and Technology,Volume:05 Issue: 11 01-12-2018.

Er. Akhil V M,Er Sarfaraz Ahmed K & Er.Mohamed Jihad P M ,AP,ME have participated in the training programme on Recent Trends in Welding and Material Processing organised by Dept. of Mechanical Engineering,GEC Thrissur 03-12-2018 to 07-12-2018.



Er.Padmakumar K joined for Phd(Mechanical Engineering)-Part time in Karunya Institute of Technology & Sciences 04-12-2018.

Er.Vishal S G, AP,ME has attended One day FDP on "Mentoring campus startups" at Trinity College of Engineering, Thiruvananthapuram 07-12-2018.

Er.S Gavudhama Karunanidhi,AP,ME has participated in the training programme on Innovation Management for Growth and strategic change organised by Dept. of Production Engineering,GEC Thrissur 17-12-2018 to 21-12-2018.



Er. Akhil V M,Er Sarfaraz Ahmed K & Er.Mohamed Jihad P M ,AP,ME have participated in the training programme on Recent Trends in Welding and Material Processing organised by Dept. of Mechanical Engineering,GEC Thrissur 03-12-2018 to 07-12-2018.

