



## HOD'S Desk

Educational institutions are the training centers for Leadership. Creating a sense of responsibility and taking the initiative to lead is the way to become a good leader. Our actions are guided by our perceptions, which form the basis of our emotions, attitudes, judgments and choices. The Department of ECE has a unique blend of quality conscious staff members with a strong sense of ethical and professional responsibility. The department also has a very good advisory system, class committee and PTA which help in maintaining a good student -teacher-parent relationship. Well-qualified, experienced and dedicated faculty as well as state-of-the-art laboratories and infrastructure have been instrumental in growth of such magnitude. The department has persistently laid equal focus on academics and research and the efforts have borne fruit in terms of university ranks, patents, faculty and student publications to name a few.

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# MEGATRON 3.0



ECE Department organised its annual Tech Fest **MEGATRON 3.0** on 6<sup>th</sup> and 7<sup>th</sup> February 2020 which comprises of a number of innovative and exciting events for the students. During these two days, various types of Technological and Entertaining Contests, Expo and Workshop were organized. It provided a platform for numerous students to showcase their technical talents and the active participation of all students in the event makes the program a grand success. Active participation of the public also upheld the success of the event.



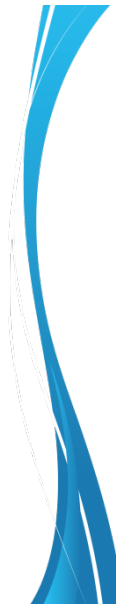
# WORKSHOP

The workshop on **INTERNET OF THINGS** organized by Electronics and Communication Department was conducted on 20<sup>th</sup> and 21<sup>st</sup> January 2020, in Communication Lab. The objective of the program was to give awareness about IoT and Aurdino processor to S2 & S4 students of ECE under KTU. The resource person were From Mr.Felix M Philip, Jain University.

The workshop included the following sessions :

- ❖ Introduction to Aurdino
- ❖ Hands on training on blink led,dancing light
- ❖ Configuring dip switch,reading analog signals from sensors
- ❖ PWM,configuringultra sonicsensor,LDR
- ❖ Competition based on interfacing
- ❖ Configure LCD,design home automation system
- ❖ Project competition
- ❖ Validatory function

The main outcome of this program was that the students were able to do port programming, display & keypad interfacing with Arudino Processor. The workshop was supervised by Ms.Jyothisree K R Asst.Professor, ECE Department.



# COLLAGE COMPETITION



The collage making competition conducted as a part of National Science Day Celebrations on 22<sup>nd</sup> February 2020 was organized by Electronics and Communication Department was conducted on 20<sup>th</sup> and 21<sup>st</sup> January 2020 ,in Communication Lab.

The theme for the competition was Women in Science. All the participants brought the newspapers, magazines, scissors and other raw materials and grabbed their seats.

Participants were given ample opportunities to showcase their creativity followed by the theme.All the students participated enthusiastically along with competitive spirit.

The students were judged by Ms.Jyothisree K R and Ms.Krishnapriya C V, Asst.Profs. of ECE.The criteria of judgment were Creativity, Theme and Presentation. The winners are Arun N R,Neethu M R,AnjalyAsokhan and AnjuAsokhan, students of S6, ECE.

# STAFF CORNER

- ECE department congratulates Ms.Meeva P A, Asst. Prof. of ECE qualified GATE EXAM 2020.
- Mr.Reneesh C Zacharia, Asst.Prof. of ECE successfully completed the following courses: Python for Data science - Conducted by IIT Madras , NPTEL, Python Basics for Data Science- IBM PY0101EN certification , May 8 , edX, Nanotechnology:A Makers Course - North Carolina state university , April 28 and Plastic Electronics – COLE POLYTECHNIQUE ,COURSERA.
- Ms.Resma Chandran, Asst.Prof. of ECE published a paper titled "A Novel Design for a Low Power High-Speed Robust Supply-Gated-Sleep 6T SRAM Cell Volume 24, Part 3, 2020, Pages 1955-1964"
- Ms.Krishnapriya C V, Asst.Prof. of ECE Participated in the 4-days Online Course on Examination Reforms conducted during 29 April to 2 May 2020 organized by AICTE and Certified in Python Programming authorized by University of Michigan and offered through Coursera.
- Ms.Riya Sara Joy, Asst.Prof. of ECE Participated in Cybersecurity and the internet of things - University System of Georgia, May 25, Coursera.
- Ms.Jibi K Kurian, Asst.Prof. of ECE reviewed the translated files of the course "MatLab Programming for numerical computations" offered by IIT Madras.
- Ms.Jyothisree K R, Asst.Prof. of ECE Participated a Webinar on "Role of Cobot in Smart Manufacturing & Post Covid", scheduled on 22nd May 2020 by IEEE photonics society students chapter ,Mangalam college of Engg and "Future of Artificial Intelligence" by IETE ( Mumbai ) and PANTECH solutions on May 20, 2020
- Mr.Reneesh C Zacharia, Asst.Prof. of ECE Participated a Webinar on FOSS TCAD/EDA Tools for Semiconductor Device Modeling, IEEE Photonics Society Student Chapter, MLMCE
- Ms.Krishnapriya C V, Asst.Prof. of ECE attended webinar on "Micro/Nano Systems Technology And Processes – An Industry Perspective " Organised By Department Of Electronics And Communication Engineering In Association With Indian Society Of Technical Education Students Chapter ,Saintgits College of Engineering
- Mr.Akhil Kumar, Asst.Prof. of ECE attended webinar on Knowledge Based Innovative MSME Schemes for Academic Institutions organized by IEEE Photonics Society MLMCE on 16 May 2020. and Microwave Engineering Made Easy organized by IEEE on 25 June 2020
- Ms.Aparna Jose, Asst.Prof. of ECE attended webinar on Importance of IPR for students, faculty and start ups and How AI is helping to build Intelligent Automotive Solutions
- Ms.Mariya Stephen, Asst.Prof. of ECE attended webinar on "How to Enable and Increase People Productivity Virtually Post Covid?" organized by Prayaana Collective on 15 May ,2020.
- Ms.Riya Sara Joy, Asst.Prof. of ECE attended webinar on "Knowledge Based Innovative MSME Schemes for Academic Institutions" organized by IEEE Photonics Society MLMCE on 16 May 2020 and "How to Enable and Increase People Productivity Virtually Post Covid?" organized by Prayaana Collective on 15 May ,2020.
- Ms. Jyothis Kurian Asst.Prof. of ECE attended webinar on "ZnO Nanostructures Based Photo detectors using Low Cost Techniques" organized by IEEE Photonics Society Student Chapter, MLMCE.
- Ms.Jibi K Kurian, Asst.Prof. of ECE attended webinar on "Science & Technology in India:Past,Present &Future" and "ZnO Nanostructures Based Photodetectors using Low Cost Techniques" organized by IEEE Photonics Society Student Chapter, MLMCE.

# STUDENT CORNER

The department congratulates the team AbhaySajeevan,Manu R K, Jeffin Joseph Edicula, ParvathyViswanath,GopikaVijayakumar and Reshma Roy of S6 ECE and the mentor Ms. ResmaChandran,Asst.Prof,ECE for securing third prize for “REDIVIVUS DRIVING SIMULATOR USING VR EFFECT” in Reboot Kerala Hackathone 2020, organized by M Dasan Institute of Technology,Calicut during 21-23 february 2020.



ECE VIII B Students selected for Presentation at Redstart : The startup Challenge , IIT Guwahati , Research Conclave 2020.

**Project Title** - “PANGOLIN ANIMATRONIC BASED ROBOTIC HAND SYSTEM FOR HUMAN RESCUE IN DEEP MINE HOLE AND BORE WELL ACCIDENTS“



## TOPPER'S DIARY

**S7-A:**



**ELONA JIJO**



**BIJITHA SURESH**



**AISWARYA LEKSHMI**



**AYANA SHAJU**



**ANUPAMA AJITH**



**AZEEM RAHMAN**

**S7-B:**



**GAYATHRI VARMA**



**JOBIN JOY**



**JOBINA JOY**



**MALAVIKA S NAIR**



**NAYANA OMANAKUTTAN**



**RADHALEKSHMI V R**





**ROSE GEORGE**



**SANDRA ANN VARGHESE**



**SHEBIN RAJAN**



**SHERIN RAJAN**



**SREELAKSHMI GOPINATH**

**S5 :**



**LINJU SKARIA**



**GOIKA VIJAYAKUMAR**



**RESHMA ROY**



ANNUVA ELIZABETH



ROLINA FELIX



ANJANA BABU



ARUN N R



ROHINI SREEKUMAR



ALBY ELIZABETH KURIAN

**S3:**



AKSHAY SIVAN



AJAY PRAKASH



ATHIRA N M



HARIPRIYA P



RUBY CHACKO



TONY DOMINIC

**S1 :**



SREELAKSHMI MADHU



NAVYA BENNY



GRACESON JOJI JOHN

**PLACEMENTS 2020**





**ANAND MAMMEN  
VARGHESE**

**BYJU'S**



**JOBINA JOY**

**CTS ,WIPRO**



**MALAVIKA S NAIR**

**EOXYS,SUTHERLAND**



**AMRUTHA P NAIR**

**EOXYS,SUTHERLAND**



**AGATH EMMANUEL**

**EOXYS,  
SUTHERLAND, UST  
GLOBAL**



**ARATHY SOMAN**

**G10X,POORNAM  
INFIVISION**



**RADHALEKSHMI V R**

GOAN



**ARACKAL PRINCY  
ANNA VARGHESE**

GOAN,SUTHERLAND



**NAYANA OMANAKUTTAN**

GOAN,SUTHERLAND



**ELONA JIJO**

GOAN,INFOSYS,SUTHERLAND,  
WIPRO



**BIJITHA SURESH**

GOAN



**ALVINA REEBA THOMAS**

GOAN



**JOBIN JOY**

SUTHERLAND



**AISWARYA LEKSHMI  
SUTHERLAND**



**SHANIMOL P B**

SUTHERLAND



**GAYATHRI VARMA B**  
INFOSYS, TCS, WIPRO



**ASWIN B  
NEELAKANDAN**  
INFOSYS



**SAHAL VAHAB**  
SUTHERLAND



**NINAN VARGHESE**



**MANU BENNY**



**J JOSILIN THERESA**  
IOSEDU



**AYANA SHAJU**  
SUTHERLAND



**ANANDU SREENIVASAN**  
TCS, UST GLOBAL



**VISHNU PRASAD M**  
TCS

# ALUMNI MEET 2020

The alumni meet took place on 26<sup>th</sup> January 2020, at Digital Theatre, Mangalam College of Engineering, Ettumanoor. The program was started in digital theatre with prayer song by Rolina Felix, 3<sup>rd</sup> Year, ECE and welcome speech by Mr. HariPrasad K S, Asst Prof. Department of Mechanical Engineering. Prof. Sebastian Joseph, HCR, Training and Placement, Mangalam College of Engg.delivered the welcome address, who gave an overview of the program. Shri. Biju Varghese, Chairman,Mangalam Educational Institutions delivered the presidential address. He pointed out the aims and objectives of the Alumni Association and the role of Alumni in placement activities and in the progress of college. The last year Alumni report was presented by Ms.Jyothisree K R, Asst.Professor, ECE. Ms.Seethalakshmi M of 2012-2016 ECE has conducted a motivational talk during the Induction program.



The Experience sharing and Testimonials of Alumni members,started by 11.30 am and end by 12.15pm. The sharing session includes the Alumni participants of the meet representing each batch were called for an interactive sharing session. After that vote of thanks was delivered by Mr. Asish Mathew Johnson,2012-2016 ECE . He thanked the Alumni for taking the time to come for the Alumni Meet who have made it a very special and memorable one. The program came to an end by photo session followed by Lunch. Alumni were taken on a campus tour where they revisited the familiar place where they had studied and were shown the various developments that had taken place in our college.

# WEDDING BELLS



Hearty congratulations to Ms. Aparna Jose, for getting married to Mr. Arun Tom Jose, Asst. Prof. Carmel Engineering College, on January 11<sup>th</sup>, 2020. We wish them all the very best for a happy married life.

Hearty congratulations to Ms. Meeva P.A, for getting married to Mr. Suraj C S, working at HAL Helicopter MRO Division, on May 6<sup>th</sup>, 2020. We wish them all the very best for a happy married life.



# INSPIRING QUOTES

- ❖ “Opportunity is missed by most people because it is dressed in overalls and looks like work.”-**Thomas Edison**
- ❖ “When we strive to become better than we are, everything around us becomes better too.”-**Paulo Coelho**
- ❖ “You must be the change you wish to see in the world.”-**Mahatma Gandhi**
- ❖ “Change will not come if we wait for some other person or some other time. We are the ones we've been waiting for. We are the change that we seek.”-**Barack Obama**



*Internal Circulation Only*