



## ST. XAVIER'S CAMPUS CONNECT

Volume-I, Issue-2, FEB-2021

### Content

- Messages
- Events
- Achievements
- Academic Activities
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- Extra-Curricular Activities.

### Upcoming Events

- Virtual International Conference ICRITCC'21 on 25<sup>th</sup> & 26<sup>th</sup> March
- Webinar about industrial activities on first week of March
- FACEAT&P and Department of Civil Engineering jointly organize competitions such as paper presentation, Quiz, Code cracking, poster presentation fourth week of February.
- Webinar about Laravel framework on 22.02.2020



### Message from the Correspondent

After a long Covid-19 lockdown, we are happy to start again full-fledged with rejuvenated spirit in all our activities, with ardent hopes of the New Year, 2021. Much has happened in our college during the past two months, which are going to be recorded in this edition of St. Xavier's Campus Connect.

We have just passed through a wonderful season of Christmas, New Year and Pongal and so on. We had the inauguration of the UG and PG programs. We had the rich experience of having the alumni in our campus. We have mastered a radically new way of communicating with the students and conducting academic activities 'online'. It entails much more preparation and care and more assistance to the students. Our boys and girls are appearing for the exams 'online' with lots of confidence. Let us renew our commitment as we prepare ourselves to fare well in the upcoming programs and face the challenges with ease. May our genuine commitment with a systematic approach and hard work bear fruits in a big way for us and for all our stakeholders.

Wishing all of you great success...

**Rev. Fr. Dr. M. Maria William**  
Correspondent

**ST. XAVIER'S**  
CATHOLIC COLLEGE OF ENGINEERING  
Chunkankadal, Nagercoil, Kanyakumari

Accredited with 'A' grade by NAAC  
UG programs EEE, ECE & Mech accredited by NBA  
Recognized under section 2(f) & 12(B) of UGC Act, 1956  
Approved by AICTE, Affiliated to Anna University  
All UG, MBA & MCA programs permanently affiliated



## ST. XAVIER'S FEAST

St. Xavier's Feast was celebrated on 02-12-2020, Wednesday at 2.30 pm in the Conference Hall. The Feast celebrations include a Holy Mass followed by celebrations. Dr. J. Maheswaran, Principal, delivered the welcome address.

Rev. Fr. Dr. M. Maria William, Correspondent delivered the special message on St. Xavier's and his missionary works, Drs. A. Subitha Associate professor, CSE department delivered a speech on the Impact of St. Xavier on the people of Kanyakumari District, Rev. Fr. Francis Xavier, Bursar, felicitated the gathering and Dr. J. Annrose, HOD IT Department delivered the vote of thanks.



## XAVIER'S FAMILY CHRISTMAS DAY CELEBRATION

Crib opening ceremony was held on 21-12-2020 at 11.00 AM in the reception area. Our Correspondent Rev. Fr. Dr. M. Maria William opened the crib and delivered the Christmas message. The theme of the crib was "Engineer's with social concern". Prof. Dr. James Ligorias explained the theme in detail. Our Principal Dr. J. Maheswaran felicitated on the occasion. Final year civil student Ms. Moushiha shared her views on Christmas.

Christmas day was celebrated on 23<sup>rd</sup> December 2020 at 10:00 am in the Conference Hall. Dr. D. Hevin Rajesh, Associate professor, IT Department, delivered the welcome address, Mr.D.T.Rose Robin and Dr. Julyes Jaisingh, HOD, Mechanical department shared the Christmas message. Rev.Fr.V.Maria Alphonse, president, former governing council of SXCCE delivered the chief guest address, Rev. Fr. Dr. M. Maria William, Correspondent shared the Christmas greetings, Dr.J.Maheswaran, Principal, Felicitate the gathering.

A farewell function was arranged for our faculty members Prof. M. Sebastian, Department of H&S, Dr. R. Inigo, Department of H&S, Ms. P. Elisabeth Department of Maintenance and Mr. P. Henry, Security Guard. They shared their experience in St. Xavier's campus. Mr. P. Oliver Bright CSE Department delivered the vote of thanks.



## REPUBLIC DAY CELEBRATION

Republic Day was celebrated in our college premises on 26-01-2021. Our Correspondent Rev. Fr. Dr. M. Maria William hoisted the National Flag and delivered the presidential address on the Indian constitution and explained how students have to be aware of the constitutional laws. Our NCC cadets performed March past. Our Principal Dr. J.Maheswaran gave a special address on that occasion. Rev. Fr. M. Francis Xavier, the Bursar, spoke on the importance of farmers and said they are the backbone of the society.





## ALUMINI MEET 2020



The Alumni meeting was conducted on 26 December 2020. The meeting started with an informal session at 10.35 am. The correspondent Rev Fr. Dr. M. Maria William addressed the gathering. Presidential address was given by Mr. Rajesh Anpu, the president, the alumnus of 2004 batch from the department of Electrical and electronics engineering. The felicitation was given by our Principal, Dr. J Maheshwaran. Around 175 members including both alumni and their family members attended the alumni meet.

Bylaws were first proposed and accepted with full majority. Later on, our Correspondent, Rev. Fr. Dr. M Maria William published the bylaws and Mr. Rajesh Anpu, the President received the first copy of the bylaws.

## 23<sup>RD</sup> BATCH INAUGURATION



The inaugural ceremony of the 23rd batch of B.E./Bench Programme was conducted through virtual mode on 16th November 2020 at 10.00am. A brief introduction about the college was given by our Principal, Dr.J.Maheswaran. Rev.Fr.S.Jesu Retnam, the President of our Governing Council and the Contact Person of the R.C. Diocese of Kuzhithurai gave the inaugural address.

Shri. Nandha Kumar, IRS, Additional Commissioner, Income Tax Department, Government of India delivered the chief guest address. He motivated the students regarding self-esteem, career guidance and competitive exams.

Rev. Dr. M. Maria William, the correspondent gave a special address. He motivated the students to follow the path of great people. Rev.Fr.M.Francis Xavier, the Bursar felicitated on the occasion.

## PONGAL CELEBRATION



The Tamil Mantram of the college celebrated Tamilar Thirunaal Pongal on 13<sup>th</sup> January 2021. The ceremony was inaugurated by the correspondent Rev. Dr. M. Maria William.

We had Pongal celebration at 3pm through the virtual mode. Our correspondent Rev. Dr. M. Maria William headed the celebration. He shared his experience of visiting Keeladi Archaeology and spoke about Tamil culture and heritage.

Rev.Fr.Wiselin Xavier was the chief guest. He spoke about the Tamil culture of the past and present and the relevance of Pongal festival. The Principal Dr.J.Maheswaran felicitated on the occasion. He spoke about the significance of Tamilar Thirunaal.

## PROJECT AWARD

Group of four students from final year mechanical engineering namely, Shambu S Krishna, V.N.Pranav, Ajith S. Vivek and P. Stalin Vijay and guided by Dr. Ajith J. Kings, Assistant Professor, Department of Mechanical Engineering have bagged RS 7500/- from Tamilnadu State Council for Science and Technology, DOTE Campus Chennai, for the students project titled “Design and fabrication of photo bio reactor and micro algae cultivation using polluted air and water”.



Group of four students from final year Mechanical Engineering namely, Devarenjan.J, Aswanth G.S., Ajith Vasanth M.S., Harish Kumar J.M. and guided by Dr. Anand Rajkumar, Assistant Professor, Department of Mechanical Engineering have bagged RS 4500/- from Tamilnadu State Council for Science and Technology, DOTE Campus Chennai, for the students project titled “Water level identification and control of water supply switch using IoT”.



## BEST ON CAMPUS AWARD - IET

IET ON Campus of our institution is awarded the best ON Campus for the academic year 2019-2020. Prof A.George Ansfer received the award during the inaugural function of IET KKLN at Arunachala college of Engineering for women.

## BEST VOLUNTEER AWARD - IET

Prof S. S. Selva Pradeep received the Best Volunteer award for his outstanding contribution in volunteering various events in IET KKLN. He received this award during AGM of IET KKLN on 26/12/2019.



## INDO EUROPEAN HACKATHON

Ms. Alvina Cynthia and Dr. J Annrose(HOD/IT) the team leader of team 24 achieved best performing position in Indo-European Hackathon (EE-Hack 2020), organized by Indian Institute of Information Technology, Kottayam and DareToStart.org from 27-11-2020 to 29-11-2020.



## SRI ESWAR INNOVATION CHALLENGE 2020

Mr.Tony.S and Mr.K.Kalai Arasu the team leader of team Phoenix achieved Second Prize in Mobile App Development, organized by Sri Eshwar College of Engineering on 06-11-2020. Mr.Tony.S and Mr.K.Kalai Arasu the team leader of team Phoenix achieved Second Prize in Mobile App Development, organized by Sri Eshwar College of Engineering on 06-11-2020.



## ESSAY WRITING COMPETITION

Ms. Sanjana Satheesh.S of Final Year IT won third prize for Tamil Essay Writing Competition conducted by SHAX, NCC and NSS of St. Xavier's Catholic College of Engineering on 26<sup>th</sup> November 2020.

## FOOTBALL TOURNAMENT

Mr. Lajin.Y of Third Year IT and Team won third prize with cash award of Rs.5000 for Football Local Tournament competition conducted by Neyoor Football Club.



## FACEAT & P GOLD MEDAL CONTEST

R. Surjith Chandran of St. Xavier's Catholic College of Engineering won silver medal in the state level Inter college FACEAT&P Gold medal contest 2020.



## BEST PAPER AWARD

Dr.D.Judson, Associate Professor, ECE Department received best paper award for the paper titled "Code-Hopping based Communication Network using orthogonal complementary codes for Advanced metering Infrastructure in Smart Grid" at the Virtual International Conference on Futuristic Communication and Networking Technologies (VICFCNT 2020)-November 6-7, 2020, organized by Vellore Institute of Technology (VIT) -Chennai.

## INPLANT TRAINING

Department of Civil Engineering, REACH, FACEAT&P and Civil Engineering Association jointly organized virtual in plant training for Final year UG Civil Engineering, Final year PG Construction Engineering and Management, Structural Engineering students from 2-11-2020 to 14-11-2020.

## INDUCTION PROGRAM

A one-week Special Induction Programme was conducted for all the first year UG students from 9-11-2020 to 13-11-2020. 15 sessions were conducted for the students. 3 sessions were allotted for English communication skills, 3 for Mathematics, 2 for Computer Programming, 2 for Physics and 2 for Chemistry. In addition, one hour was allotted for introduction talks by the Principal, 1 session was allotted for value education and 1 session was allotted for personality development. 370 students attended the Special Induction Programme. Nearly 25 faculty members handled classes for the students. At the end of the programme entry level test was conducted for all the students.

## CONSTITUTION DAY

The constitution day was celebrated in view of the 70<sup>th</sup> Anniversary of the adoption of the Constitution of India, in our college on 26<sup>th</sup> November 2020 through virtual mode in association with SHAX, NCC and NSS students of our college

## MBA & MCA INAUGURATION

The inaugural ceremony of the MBA & MCA programme was conducted through virtual mode on 14<sup>th</sup> December 2020. Rev.Fr.M.Maria William, the correspondent of our college gave the inaugural address and felicitation our Principal Dr.J.Maheswaran

## FRESHER'S INDUCTION PROGRAM 2020

A virtual "Fresher's Induction Program 2020" was organized by Science and Humanities Association of Xavier's in association with ICT Academy on 18<sup>th</sup> December 2020. The Keynote Speakers were Shri.M.Sivakumar, Chief Executive Officer, ICT Academy, Rev.Fr.Dr.M.Maria William, Correspondent, St. Xavier's Catholic College of Engineering Shri.Rajan Sethuraman, Chief Executive Officer, Latent view Analytics, Shri.S.Karaiadiselman, Managing Director, CADD Centre, Dr.Kumar Visvanathan, Head-People Shared Services, Mindtree, Shri.S.Vijayalakshmi, Associate Vice President-HR, Payoda Technologie.

## SHAX INSTALLATION

SHAX installation 2020 for the first year students was held on 22.12.2020 through virtual mode. Dr. J. Maheswaran, the principal gave special address. Shri. A. Bala Ganesa Moorthy, Manager-Digital, Onward Technologies, Chennai was the Chief Guest of the auspicious day. Rev. Dr. M. Maria William, the Correspondent, delivered the presidential address.

## M.E INAUGURATION

M.E. first year classes' inauguration was held virtually on 6<sup>th</sup> January 2021. Dr.M.Mary Helta Daisy, HOD ECE delivered the welcome address, Dr.J.Maheswaran, Principal, spoke about the merits of college campus, Rev.Fr.Dr.M.Maria William, Correspondent delivered the inaugural address, Rev.Fr.Francis Xavier, Bursar, Dr. Julyes Jaisingh, HOD, Mechanical department and Dr. R.P.Anto Kumar, HOD, CSE Department felicitated the virtual gathering and Dr.J.Jerlin Regin, HOD Civil Department delivered the vote of thanks.

## XACA & XMA INSTALLATION

The installation ceremony of the XACA & XMA was conducted through virtual mode on 19<sup>th</sup> January 2021. Rev. Dr. M. Maria William, the Correspondent of our college gave the inaugural address. Mr. Kewyn Walter George, Center Head & Director – IS, Expeditors International, delivered the chief guest address.



## NETHAJI'S 125<sup>TH</sup> BIRTHDAY

Netaji Subhash Chandra Bose 125<sup>th</sup> birth anniversary was celebrated on 23<sup>rd</sup> January 2021 through virtual mode in association with SHAX and KONVERZ students. Cadet Akilan gave a speech on the defiant patriotism of Nethaji. Subedar Udayakumar, ANO and cadets pay respect Nethaji.

## E-QUIZ

- Tamil Mantham of St.Xavier's Catholic College of Engineering organized National level E-quiz from 26-12-2020 to 30-12-2020.
- National level E-quiz was conducted by Women cell of St.Xavier's Catholic College of Engineering from 11-01-2021 to 15-01-2021.

## WEBINARS

### SOLAR PV INDUSTRY

Department of Civil Engineering and FACEAT&P students chapter organized a webinar on 1-11-2020 about “Solar PV Industry - overview” by Mr. Rajthilak.s manager of Innovation Soft Bank Energy – New Delhi.

### POSITIVE THINKING

A seminar on “How To Do Project Effectively” was conducted on 15th December 2020 for the Final year Computer Science and Engineering students. The Session was handled by Dr.C.Seldev Christopher, Professor/CSE/SXCCE

### JOURNEY OF A SOFTWARE ENGINEER

A seminar on “Journey of a Software Engineer and Basic UI design with Angular” was conducted on 7th November 2020 for Computer Science and Engineering students. The Session was handled by Er. A. Thambu Samuel, Principal Software Engineer, Finovera.



### HOW TO DO PROJECT EFFECTIVELY

A virtual Power Seminar on “Positive Thinking” was organized by Science and Humanities Association of Xavier’s in association with ICT Academy on 12-12-2020. The speaker was Shri. Leslie J Praveen Kumar, Assistant Manager, Learning and Development, Allsec Technologies Ltd.

### CREATIVITY AND INNOVATION IN ENGINEERING

The Sciences and Humanities Association of Xavier’s organized a virtual Student Induction Programme “Creativity and Innovation in Engineering” with IIT Gandhinagar in association with AICTE on 12-01-2021. The keynote speaker was Prof Manish Jain, Associate Teaching Professor and Principal coordinator of Center for Creative Learning.



### PROJECT MANAGEMENT IN IT

A seminar on “Project Management in IT” was conducted on 30th November 2020 for Computer Science and Engineering students. The Session was handled by Mr.Jaideep Samuel, Senior Project manager, Maersk Global Services.

## IQAC ACTIVITIES

- Academic Administrative Meeting to discuss and approve AQAR 2019-2020 was conducted on 29-01-2021

### CADRE TRAINING

A five day Cadre Training for ‘B’ and ‘C’ Certificate was arranged by 11 (TN) BN NCC, Nagercoil from 18-01-2021 to 22-01-2021 at St.Xavier’s Catholic College of Engineering.





## PLACEMENT ACTIVITIES

### HCL TECHNOLOGIES POOL CAMPUS PLACEMENT DRIVE

HCL Technologies – Off campus placement drive was organized for 2017, 2018, 2019 & 2020 passed out B.E/B.Tech students on 2<sup>nd</sup> and 3<sup>rd</sup> Nov 2020. Eligibility criteria was 7.0 & above CGPA with no arrears. 43 students got placement offers.



### PLACEMENT TRAINING

The placement training for all the final year & pre final year B.E. / B.Tech, MCA students in “programming/coding skills ” was conducted for 5 days from 18<sup>th</sup> to 22<sup>nd</sup> Jan2021. External trainer Mr.Manikantan from Syspro Academy, Nagercoil trained the students.

- ❖ Online placement training in soft skills was organized for all II year students from 26<sup>th</sup> Nov to 28<sup>th</sup> Nov 2020 by Ethnus Training Solutions, Bangalore
  - ❖ SWOT Analysis
  - ❖ Communication skills (Speaking & writing)
  - ❖ Goal setting
  - ❖ Motivation & stress management
  - ❖ Interpersonal skills
  - ❖ Team Building
- ❖ Online placement training in soft skills was organized for all III year students in the following topics from 26<sup>th</sup> Nov to 28<sup>th</sup> Nov 2020 by Ethnus Training Solutions, Bangalore
  - ❖ Body language
  - ❖ Communication skills
  - ❖ Problem solving
  - ❖ Interpersonal skills
  - ❖ Team building
  - ❖ Resume writing
- ❖ Atos Syntel Campus Engagement Program – Virtual webinar session was organized for all final year and pre final year students of CSE/IT/MCA on 14<sup>th</sup> Dec 2020 from 11.00 am to 12.00 pm on the topic “Decarbonisation in IT” by Mr. Jaison Raj, Senior Consultant, Atos Syntel, Chennai.



- ❖ Infosys-Campus connect conducted a Webinar based training on “Programming Fundamentals using Python through INFYTQ Platform”, on 8<sup>th</sup>,11<sup>th</sup>,12<sup>th</sup>,13<sup>th</sup> & 19<sup>th</sup> Jan 2021 for two staff members and eight III year CSE/IT students. Upon successful completion of the program, a PEP (Peer Enablement Program) is organized for 25 students [Each student shares knowledge with 3 more students] guided and monitored by the trained two staff members.
- ❖ Wipro Company specific placement on-line training was organized for 40 hours for all eligible IV year B.E/B.Tech & MCA students between 09<sup>th</sup> Jan to 17<sup>th</sup> Jan 2021 by external training organization. Innate Talent Training solutions, Chennai.
- ❖ Wipro Technologies NLTH (National Level Talent Hunt) was conducted for IV year B.E/B.Tech & MCA students on 30<sup>th</sup> Jan 2021. The results are yet to be announced.

## ROLE OF ENGINEERS

A webinar on “Role of engineers in social change” was organized by Tamil Mantram on 05-11-2020. The Resource person was writer Dr.Ahila Krishnamurthy.



## NATIONAL INNOVATION AND STARTUP POLICY

Institution Innovation Council (IIC) organize Orientation session on “National Innovation and Startup Policy” on 22-12-2020 by Dr.N.M. Jothi Swaroopan, Professor, EIE, RMK Engineering College, Chennai.

## SUCCESSFUL ENTREPRENEUR

Institution Innovation Council (IIC) organized Motivation Session on “Successful Entrepreneur” on 28-12-2020 by Er.R. Sathishraj, CEO, E-Crusaders.



## CALM AND CONFIDENT

Women cell of St.Xavier's Catholic College of Engineering, organized Webinar on “Calm and Confident: Managing Tough Times”. The resource person of the session was “Dr.K.Indrapriyadarshini, Associate Professor, Department of Oral Pathology & Oral Microbiology, Vinayaka Mission Sankarachariyar Dental College, Salem on 21<sup>st</sup> January 2021.

## ALUMNI ASSOCIATION ACTIVITIES

- Inauguration of Bangalore-Chennai-Kerala Alumni Chapters via Google meet on November7, 2020.
- Alumni Association organized Feathers Reunite Badminton Tournament on November 28, 2020 at St.Xavier's college indoor stadium.
- Photography contest on ‘The masked life’ conducted on November 4, 2020 by Alumni Association.

# GUESSING WHAT OUR FACULTY MEMBERS HAVE BEEN UPTO?

## JOURNAL ARTICLES PUBLISHED

- F. Ramesh Dhanaseelan, A.Oliver Bright, Dr. M. Jeya Sutha “Analysis and prediction of the speed of COVID-19” ICTACT Journal on Management studies, November 2020, Vol: 6, Issue: 04 P8:1304-1310, ISSN: 2395-1664.
- I.Jessy Mol, T.Baskaran, Justin Jose.D ,”Developing a pH model using artificial neural network and visual MODFLOW to evaluate ground water quality”, Applied Ecology and Environmental Research , ISSN-17850037 , vol- 6499,2020.
- Ilanthalir A, Jerlin Regin J, Maheswaran J “Concrete-filled steel tube columns of different cross-sectional shapes under axial compression: A review” IOP Conference Series: Materials Science and Engineering, Dec 2020, 983-012007-1-17.
- Jinisha R, Jerlin Regin J, Maheswaran J “A review on the emergence of single-chamber microbial fuel cell on wastewater treatment” IOP Conference Series: Materials Science and Engineering, Dec 2020, 983, 012002,1-12.
- Johncy, G., and A. Anisha Felise. "An Efficient Power Theft Detection Using Mean-Shift Clustering and Deep Learning in Smart Grid." In IOP Conference Series: Materials Science and Engineering, doi:10.1088/1757-899X/983/1/012003 vol. 983, no. 1, IOP Publishing, 2020.
- P. Antony Vimal, J. Jerlin Regin, R.Jinu, C.Ganapathy ”Experimental investigation on elevated water tanks with base isolation response spectrum approach”Journal of Theoretical and Applied Mechanics, ISSN:2543-630 ,Nov 2020,58, 4, 885-899.
- R. Edwin Raj “Analytical and experimental data of liquid oxygen tank pressurisation system during stage hot test”, Applied Thermal Engineering, Vol. 176, 115406, 2020.
- S. Caroline, Yohannus Bekuma, J. Sam Alaric, “Multilevel Bank Security with Master Authentication Over Internet”, International Journal of Engineering Technology Research and Management, Vol-04, Issue 11, November 2020.
- S. Caroline, Yohannus Bekuma, J. Sam Alaric, “Obstacle Avoiding Voice Controlled Bluetooth Car Using Arduino”, International Journal of Innovative Research in Science, Engineering and Technology (IJIRSET), Volume 9, Issue 11, November 2020
- S. Julyes Jaising, “Effect of Nanosilica and weave Geometry on weld Properties of Friction Stir Welded Nylon 6-6 Thickness Plate,” Silicon, 2020.
- Kanaga Suba Raja S and Bamila Virgin Louis A, Optimal resource allocation in 5G system using modified lion algorithm, IET Communications, vol 15, pp 126-141, January 2021.
- Maria Seraphin Sujitha S, Kannan P, Bharatha Sreeja G, Maheswari S, (2021)“ Adaptive Hybrid Remote Sensing Image Fusion of Panchromatic and Multispectral Images”,Solid State Technology, Volume 64, Issue 2, pp. 996-1011, 2021.
- R. Edwin Raj, “A New Study on Tribological Performance of Cissus Quadrangularis Stem Fiber/Epoxy with Red Mud Filler Composite”, Journal of Natural Fibers, 2021, <https://doi.org/10.1080/15440478.2020.1848709>.
- R. Edwin Raj, “Thermal and mechanical analysis of Coccinia grandis stem fiber polymer composite”, Iranian Polymer Journal, Accepted, In Press. 2021, <https://doi.org/10.1007/s13726-020-00896-4>
- S. Caroline, M.Marsaline Beno, (2021) “Comparison on Design and Simulation of Multilevel Inverters”, Solid State Technology, Volume 64, Issue 2, 2021.
- Sheriba, S. & Rajesh, D. (2021). Energy-efficient clustering protocol for WSN based on improved black widow optimization and fuzzy logic. Telecommunication Systems. 10.1007/s11235-021-00751-8.



## PATENTS

- Dr. S. Julyes Jaisingh, Associate Professor & HOD, Department of Mechanical Engineering, Publication Date 01/01/2021 Application Number 202041055463. Application Filing Date 21/12/2020. Title: “Method to Support the Two-Wheeler and Rider during Slow-Moving Traffic with Auxiliary Support Legs”.
- Dr. Felix Xavier Muthu, Associate Professor, Department of Mechanical Engineering, Patent Application No.202041024083 Date of filing of Application: 09/06/2020, Publication Date: 12/06/2020. Title: “Design of Autonomous 5D Arm Robot for Industrial Application”.
- Dr.G.Sahaya Stalin Jose, Assistant Professor, IT Department, and Publication Date: 13-11-2020, Application No: 202021048936 A, Title: Smart Sign boards in national highways for road safety using IOT.
- Dr.D.Judson, Associate Professor, ECE Department, Application No: 202041054170 A, Publication Date: 18-12-2020, Title: IOT Based Street light Monitoring System

## AS RESOURCE PERSONS

- Dr. R. Edwin Raj, Professor Department of Mechanical Engineering has handled a technical session on AICTE sponsored one week online Short Term Training Programme (STTP) on smart materials, automation and its future impact on humans (Part-1) SAFIH 2020 organized by department of mechanical engineering, Sree Buddha College of Engineering, Pattoor, Alappuzha, Kerala on 12<sup>th</sup> to 17<sup>th</sup> October 2020.
- Dr. R. Edwin Raj, Professor Department of Mechanical Engineering has acted as a Resource person in a session on “Significance of RSM and its applications” at the online workshop titled “Tools and Techniques for Quality research” held on October 29 to 31, 2020 and organized by National Institute of technology, Tiruchirappalli.
- Mr. C M Varun has acted as a resource person for a webinar “Captivating Leaners” on 7<sup>th</sup> Nov 2020 organized by IES college of Engineering.
- Dr.J.Jerlin Regin, Associate professor, Head of the Department, Civil Engineering was a resource person for the technical session “Lightweight Aggregate Concrete in Precast Concrete industry” to PG Structural Engineering students, Karunya University on 16/11/20.
- Mr. C M Varun, AP/IT was a resource person for the webinar “Be a successful online student” organized by Morning Star Polytechnic College on 23<sup>rd</sup> Nov 2020
- Dr.J.Jerlin Regin, Associate professor, Head of the Department, Civil Engineering was a resource person for the technical session “Lightweight aggregate concrete using agricultural waste material” on 23/11/20 to AICTE and ISTE funded STTP phase II organized by the Department of civil Engineering, Kalaisalingam University.
- Dr. Jerlin Regin Associate professor Head of the Department Civil Engineering was a resource person for the technical session “Light weight aggregate concrete” on 7-12-2020 to AICTE and ISTE funded STTP phase III organized by the Department of Civil Engineering Kalaisalingam University.
- Dr. R. Edwin Raj, Professor Department of Mechanical Engineering has handled a technical session on AICTE sponsored one week online Short Term Training Programme (STTP) on smart materials, automation and its future impact on humans (Part-3) SAFIH 2020 organized by department of mechanical engineering, Sree Buddha College of Engineering, Pattoor, Alappuzha, Kerala on 10<sup>th</sup> to 16<sup>th</sup> December 2020.

## AS INTERNATIONAL JOURNAL REVIEWERS/ EDITORS

- Dr. G. Antony Miraculas, Associate Professor was the reviewer of the international journal “Energy Sources, Part A: Recovery, Utilization and Environmental Effects”, Springer, Nov, 9, 2020
- Dr.M. Jeya Sutha, Assistant Professor was the reviewer of the international journal “FUZZY Systems”, Springer, Jan, 23, 2020
- Dr. Jerlin Regin Associate professor Head of the Department, Civil Engineering acted on Editor for IOP conference series material science and Engineering, volume no 938(2020 for IWCA S ME) 2020 Publication Date: 18-12-2020.

## AS COURSE TRANSLATORS

- P. Antony Vimal Assistant professor Department of Civil Engineering Translated the course Advanced topics in the science and Technology of concrete offered by IIT Madras in Tamil Language
- Mr.K.Maria Vinu Assistant professor Department of Business Administration Translated the course Principles of Construction Management offered by IIT Kanour in Tamil Language

## NCC ACTIVITIES

- NCC Online Theory Class was conducted on the topics, “Introduction to Map Ethics and Honour codes Health & Sanitation” on 7.11.2020 by the ANO and Cadets
- NCC Online Theory Class was conducted on the topics, “First Aid- care of wounds Introduction to Field Craft Constitution Day” on 13.11.2020 by the ANO and Cadets.
- NCC Online Theory Class was conducted on the topics, “Indication of Landmark Judging Distance Importance of Physical activities” on 21.11.2020 by the ANO and Cadets.
- NCC Online Theory Class was conducted on the topics, “Role of NCC in Nation Building Introduction to Map Reading Disaster” on 28.11.2020 by the ANO and Cadets.
- SWATCHHTA PAHWADA – speech was presented on the topics, “What can I do to clean my city” on 5-12-2020 by L/Cpl Sweetlin Derisha S and Cadets.
- SWATCHHTA PAHWADA – seminar was conducted on the topics, “Plastic Waste Management” on 05-12-2020 by Cdt. Padua Aasher Antony and Cadets.
- NCC Online Theory Class was conducted on the topics, “Disaster management Swatch Bharat Abiyan Armed forces” on 05.12.2020 by the ANO and Cadets.
- NCC Online Theory Class was conducted on the topics, “Organization of Infantry battalion Self-awareness Conduct of Map reading” on 12.12.2020 by the ANO and Cadets.
- NCC Online Theory Class was conducted on the topics, “Mental Health Army Protection of children & women safety” on 19.12.2020 by the ANO and Cadets.
- A webinar on ‘Constitution of India and Dr.B.R. Ambedkar’ was organized on 18-11-2020 with speaker as Dr.M.Vijaya Kumar, Librarian, and St.Xavier’s Catholic College of Engineering.
- Sgt. Arul Replin completed the 5 km run Navy Run- 2020 in 28 minutes on 4-12-2020.
- Maj.S.Edwin Gladson served as Resource person on the topic ‘Personality Development and Leadership Training’ in the ONLINE ORIENTATION COURSE FOR CTO’s on 9-12-2020, conducted by Tamil Nadu NCC Directorate.
- CSUO Sajith K U and CUO Chella Vignesh K P are among the thirty cadets all over Tamil Nadu who attended personality development and SSB awareness Capsule conducted by Tamil Nadu NCC Directorate.

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