

# Lourdes Matha College of Science and Technology

(An ISO 9001:2015 Certified Institution)

Approved by AICTE and Affiliated to APJ Abdul Kalam Technological University

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# Director's Message

It's been three months since I started serving as the Director of this prestigious institution and I couldn't be more energized! The enthusiasm and passion that is palpable every moment I spent in this campus is contagious to say the least. I am amazed with inherent calibre of our staff and students and the unflinching sense of purpose to learn and grow together. Our founders and former leaders have established a world class centre of education and propelled us in the right direction, we are going to stay true to their values and vision. We strive to 'mould world class professionals by

enabling knowledge acquisition for research and development, design of novel systems and scientific analysis with focus on team work culture, continual learning, creating sustainable environment and noble society using modern technologies'. The world is going through massive disruptions and our fresh graduates have an opportunity like never before to fuel this change and build a better world for the benefit of humanity. I urge each one of you to stay focused on executing your duties in the best manner possible and make excellence a way of life.

### Fr. Bejoy Arackal

# Principal's Message

"Education is the most powerful weapon which you can use to change the world." - Nelson Mandela.

Education drives away ignorance and through illumination, it emboldens a man to righteous thought and action. Success comes to those who work hard and stays with those who don't rest on past laurels. LMCST started its journey in the year 2002 with the vision to establish a "Centre of Excellence" in the field of Engineering and Technology to mould world-class professionals. In order to accomplish our vision and mission, we are



prepared to make as much effort as possible for the betterment of the academic scenario in India. We believe that education is an effective medium of social transformation. We get encouragement, looking at bright and successful careers of our thousands of students, which subsequently benefit society. We feel proud that we are part of such an excellent institute shaping modern India. Our college cares for the individual development of each and every student and we follow the "Staff Advisory system". We accord prime importance to our students' behavioral discipline, moral integrity, and cognitive development. Clubs or Cells of IEDC, NSS, CGPU, and NCC offer integrated services for the multi-faceted developments of our students. Our teachers strive to teach not only academic programs but also life skills needed for the student's self-development. I wish you the best and let peace and prosperity be to all who contribute to the noble task of spreading education and its manifest qualities, aims, and objectives.

Dr. Beshiba Wilson

# GENERAL

# **Career Guidance and Placement Unit**

- CGPU, LMCST has organized a webinar on opportunities for higher studies in Sweden on 16th January 2022 at 4.00 PM in virtual mode. The resource person was Mr. Shamnath Thajudeen, Production and Design department, School of Engineering, Jonkoping University. The pre-final and final year students of LMCST attended the webinar. The webinar covered the advantages of choosing Sweden as a country for higher studies, details of Jonkoping University, roadmap on different Masters courses offered by the University, course application and visa application process.
- A Career Counselling session was arranged by CGPC on 27th April 2022.



O Placement drive by Moonhive Private Limited was conducted at LMCST on 9th May 2022.



- A seminar by ZeroPi Tech Solutions in collaboration with CGPU, LMCST was organized on 13th May 2022 at 11.25 PM.
- A seminar on 'Technologies to Learn in 2022' was organised by CGPU on 13th May 2022 at 11.25 AM in LOMAA Hall.



- O Department of Computer Science and Engineering in association with Placement Cell organized a Career Guidance Program for the prefinal year students of CSE, ECE and EEE on 28th April 2022 at 7.00 PM through virtual mode. The resource person was Mr. Aswin P Chandran (Director of Edzumo Pvt Ltd, Director of CGP Career Avenues, Secretary of Travancore Placement Officer's consortium, Chairman of ACM Kollam, Advisor to 3 IT companies and Indian record holder for career counsellor).
- O Placement Cell LMCST arranged a two-day placement training session for 6th semester B tech students on 13/07/2022 and 14/07/2022.

# **Arts Club**

- O Arts Club, LMCST has organised a Drawing Competition
- on 25th January 2022 at 4.00 PM in connection with
- Republic Day Celebrations. Faculty Coordinators of
- the event were Prof. Sreekala Devi K, Dept. of EEE and
- Prof. Soumya V S, Dept. of ECE. Shivakami P B, MCA
- and Vandana S S, MBA were the student coordinators.

# National Service Scheme (NSS)

• NSS Unit, LMCST has organised a session on 'Constitution of India' on 26th January 2022 at 10.00 AM through virtual mode in connection with Republic Day celebrations. The session was delivered by Prof. Jayaram V, Asst. Professor, LMCST.

O An Essay Writing Competition was organised on 11th May 2022 at 2.40 PM in ECE Seminar Hall, LMCST as part of National Technology Day Celebrations. Student coordinators were Dona Mariya and Anantha Krishna T.



- O Cleanliness drive at campus on 27.5.2022
- O NSS Technical Cell LMCST organized a monsoon season cleaning process at LMCST on 27.5.2022. As part of this programme, the students removed water from the waste bottles, coconut shells(rubber plantation) etc in the campus to avoid the chance of mosquito breeding.
- World Environment Day (Planting Saplings at home) - As part of world environment day, NSS volunteers planted saplings at their home on 5.6.2022.



• World Environment Day (Planting Saplings at college-As part of world environment day celebrations, NSS volunteers planted saplings at LMCST on 6.6.2022.



O The NSS Technical Cell in association with Extension Cell of LMCST organised a blood donation camp at Conference Hall, LMCST on 31st May 2022. Thirty-Six units of blood were donated to Sree Chithra Thirunal Institute of Medical Sciences and Technology, Thiruvananthapuram. Anagha S and Asif N M were the student coordinators of the camp.



 A Yoga session "Yoga for Humanity" by Smt. Kalyani, Sivananda Ashram was organised by NSS Technical Cell as part of International Yoga Day on 21st June 2022 at 10.30 AM in LOMAA Hall, LMCST.





O A Story Writing Competition in Malayalam was organised by NSS on the theme 'Colors of Life' on 24th June 2022. The student coordinators were Anantha Krishna T, Aasif N M and Sreedevi Vijayan V N.

### **Research Cell**

- O The Research Cell, LMCST has organised a webinar on the theme 'Future of Electric Transportations: Scopes and Opportunities' on 3rd February 2022 at 6.00 PM in virtual mode as part of the Research Webinar Series. The resource person was Dr. Parag Jose, Researcher, E-mobility R&D Centre and Assistant Professor, EEE Department, Christ University, Bangalore. The convenor of the event was Dr. Johnson Y, Research Cell Coordinator, HOD, EEE Department, LMCST. Dion Johnson, CSE department was the student coordinator.
- O The Research Cell in association with Department of Electrical and Electronics had conducted a hands-on workshop on "Embedded Systems-An Introduction" for faculty members on 9th March 2022 at the Software Lab, EEE department. Mr. Sreejith from Live Wire, Sahara Group of Companies led the session. Dr. Johnson Y, HOD, EEE and Research Cell Convenor introduced the speaker to the audience. Prof. Anumol and Mr. Ebin spoke on the occasion.



# Farewell to Rev. Fr. Varghese Edachethra

Lourdes Matha Group of Institutions extended heartfelt gratitude to Rev. Fr. Varghese Edachethra, our former Bursar for his guidance, encouragement and selfless service towards the growth of our institution.



# Rev. Dr. Christo Emmanuel Neriamparambil

Lourdes Matha Group of Institutions welcomed our new Bursar, Rev. Dr. Christo Emmanuel N e r i a m p a r a m b i l , formerly Asst. Director, Corporate Management of Schools, Archdiocese of Changanassery.





# **International Women's Day**

 LMCST celebrated International Women's Day on 8th March 2022. As part of the celebrations, a drawing competition was arranged on 4th March 2022. Shri. E. S. Bijumon, Addl. SP, Thiruvananthapuram Rural and in charge of Hitech Crime Enquiry Cell, PHQ rendered a valuable and informative talk on "Career and Family - In sync" on 9th March 2022 at 11.00 PM in LOMAA Hall, LMCST. Prizes were distributed to the winners of the drawing competition.





# **Counselling Cell**

- O Corporate Management of Schools, Archdiocese of Changanassery has organised an orientation session for 10th and 12th Standard Students on 'Tips for Success in Examinations' on 13th March 2022 at 7.00 PM through virtual mode. The session was handled by Ms. Rincy Joseph, Counsellor, Lourdes Matha Group of Institutions.
- O Counselling Cell, LMCST has organised a 3-day workshop on 'Personality Development' which included seminars, activities, competitions and discussions. Participants were the final year Btech students of LMCST. The workshop was conducted in 3 batches as first batch for CE and EEE on 15th, 16th and 17th March 2022, second batch for ME on 22nd, 23rd and 24th March 2022 and third batch for CSE and ECE on 29th, 30th and 31st March 2022.



 A Workshop on Time Management was arranged by the Counselling Cell on 9th, 10th and 11th May 2022 for S6 B-Tech students. The session was handled by Ms. Rincy Joseph, Counsellor, Lourdes Matha Group of Institutions.

## Student Aptitude Development Programme (SADP)

- O Student Aptitude Development Cell (SADP), LMCST has organised an orientation session for 10th and 12th Standard on 'How to avoid exam fear in writing public examinations on 26th March 2022 at 7.00 PM through virtual mode. The session was handled by Ms. Rincy Joseph, Counsellor, Lourdes Matha Group of Institutions. The event convenor was Dr. Johnson Y, SADP Coordinator, LMCST.
- O A free KEAM Entrance Coaching Program was organized by SADP, LMCST. It was scheduled from 15th June to 2nd July 2022. Experts in KEAM entrance coaching for different subjects conducted classes in morning and evening sessions through online mode. Orientation sessions and motivational sessions were part of this programme. The event convenor was Dr. Johnson Y, SADP Coordinator, LMCST.
- O SADP, LMCST has organised the All Kerala Quiz Competition- EUREKA 2022 for the 10th ,11th and 12th standard students of schools all over Kerala. The Prelims was conducted online on 29th April 2022. Topics covered were General Knowledge, Current Affairs and General Science. The Finals had ended successfully on 18th May 2022 at the college campus after two weeks long screening process under the banner of SADP Committee and Quiz Club of LMCST. The selected 13 students from the preliminary online phase from all over Kerala were screened based on General Knowledge, Current Affairs and Science at LOMAA Hall by the famous Quiz Master Ms. Remya Roshni, Ex-IPS. Adithyan D. M. from SSMHSS, Kochalumood, Trivandrum district won the 1st position with cash prize Rs. 10,000/-. Sreenadh



Sudheesh P. from GMHSS CU Campus, Kozhikode and Aswin V. J., GHSS, Venjarammoodu received the 2nd and 3rd positions with cash prizes Rs. 7500/- and Rs. 5000/- respectively. 5 more students were awarded cash prizes. Rev. Dr. Tomy Joseph Padinjareveettil, Manager, LMCST distributed the cash prizes and certificates to the winners. Rev. Dr. Emmanuel Christo Neriamparampil, Bursar, Dr. Beshiba Wilson, Principal and Dr. Johnson Y, Co-ordinator of SADP and Quiz Club also spoke on the occasion.

# National Cadet Corps (NCC)

 Kailas A K secured second prize in the inter battalion firing competition.



# NCC Ranking Ceremony

O The special and prestigious Ranking Ceremony was conducted by our wing of 3 KERALA BATTALION, for 2nd and 3rd year cadets on 11th May, 2022 in the presence of Director, Rev. Dr. Tomy Joseph Padinjareveettil, Executive Director, Rev. Dr. Sony Mundunadackal, Bursar, Rev. Dr. Emmanuel Christo Neriamparampil, Principal, Dr. Beshiba Wilson and CT/ANO, Asst. Prof. Amal Cyriac Jose.

Congratulations

### **Officially Ranked Cadets**

### 3<sup>rd</sup> years : Rank Name

 S/UO - KAILAS A K 2. UO - NANDAN V S 3. UO - SARATH S.P 4. UO - ASHNI S BAIJU 5. CQMS - SAMRAJ T S 6. SGT - BOBAN T 7. SGT - ANTONY JOSHY 8. SGT - ANNIE RAJ P S 9. CPL - ABHIRAG S KRISHNA 10. CPL - ANISHA A L
 CPL - SHREYA SHIBU 12. CPL - ARSHA VARGHESE A
 CPL - JYOTHIKA R B 14. CPL - AROMAL R B 15. CPL - SAJAN S

### 2<sup>nd</sup> years: Rank Name

1. L/CPL - ANVIN SAJI 2. L/CPL - ASHISH S M 3. L/CPL -ANEXE JOSEPH 4. L/CPL - RENOY B R 5. L/CPL - ROSH MILAN GEORGE 6. L/CPL - BIMALKANTH MITRA V 7. L/CPL - ABHIJITH P S 8. L/CPL - ROJIN R J 9. L/CPL - ANURAG A V 10. L/CPL - NANDANA V NAIR 11. L/CPL - DEVIKA NANDANA S B 12. L/CPL - SONA G L



• A Poster making/Drawing competition was organised by NCC unit of LMCST for Plus One & Plus Two students to commemorate World Environment Day (05th June 2022). Theme for the competition was 'SAVE EARTH TO SAVE LIFE'. The event was coordinated by Prof. Amal Cyriac Jose, Associate NCC Officer.

### Blessing of transportation facilities in our college





# Intellectual Property Rights (IPR) Cell

O The IPR Cell, LMCST has conducted an Intellectual Property Rights Awareness Programme in association with National IP Awareness Mission (NIPAM) on 27th April 2022 at 11.30 AM in LOMAA Hall, LMCST. The resource person was Mr. Anumod S, Examiner of Patents and Designs, DPIIT, Intellectual Property Office, Chennai, Ministry of Commerce and Industry. The event convenor was Dr. Johnson Y, IPR Cell Coordinator, LMCST.



# **Congratulations to the Winners**

• College Cricket team of S8 B.Tech students secured the First Runner-up of the Inter College Cricket Tournament conducted by ACE College of Engineering from April 23rd to 24th, 2022.



# **EQUINOX 2022**

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• The Two-Day Annual Intercollegiate Techno-Cultural Fest, EQUINOX 2022 has been inaugurated on 6th May 2022 at 10.00 AM. The function started with a prayer song. Mr. Dany Thomas, Chairman, College Union welcomed the gathering. Rev. Dr. Tomy Joseph Padinjareveetil, Manager & Director, LMCST delivered the presidential address. The event was inaugurated by the chief guest of the function, Shri. S Sreejith IPS, ADGP, Transport Commissioner, Kerala. Shri. G Stephen, MLA, Kerala Legislative Assembly, Rev. Dr. Sony Mundunadackal, Executive Director, Rev. Dr. Emmanuel Christo Neriamparambil, Bursar and Dr. Beshiba Wilson, Principal offered felicitation. Students with excellent academic records were honoured and awards were given to the toppers. As part of the A P J Abdul Kalam Technological University Scheme on "Bridging the Digital Divide", high-quality laptops were distributed to the students of Lourdes Matha College of Science and Technology on 7th May 2022. This initiative aims to ensure equity in the learning process across all the students during the current scenario of technology enabled learning process. Vote of thanks was delivered by Ms. Sravya Raman, General Secretary, College Union. The inaugural function ended with National Anthem.



# **Extension Cell**

O The Extension Cell in association with Department of Computer Science and Engineering has conducted a Computer literacy Programme for the Staff of Primary Health Centre, Kuttichal. The class started on 4th April 2022 at Internet Lab, CSE department. Staff coordinators were Prof. Sandeep S B, Nisha Joseph K and Neethu L.



• Extension Cell in association with Civil Engineering department actively participated in 'Jala Samurdha Keralam' programme initiated by the Kerala Water Authority in Kuttichal Panchayat on 12th May 2022. The main objective of the program was to clean up the water resources by testing the water quality and giving awareness to the local people. Staff coordinators were Prof. Sandeep S B, Prof. Deepthi J and Babitha R.B.



O "Together with Nature - 2022" programme was conducted by Extension Cell, Lourdes Matha College of Science and Technology in association with Agricultural office, Kuttichal on 13th May 2022. This Programme aimed to plant some vegetable saplings inside our college campus and to spread an awareness for the students to practice this. Prof. Sandeep S B was the faculty Coordinator.



○ The LMCST Extension cell in association with NSS organised a monsoon season cleaning process at LMCST on 27th May 2022. As part of this programme, the students removed the water from the waste bottles, coconut shells (rubber plantation) etc in the campus to avoid the chances of mosquito breeding. Faculty coordinators were Prof. Sandeep S B, Prof. Soorya S R and Prof. Dijin J S.



O The NSS Technical Cell in association with Extension Cell of LMCST organised a blood donation camp at Lourdes Matha College of Science and Technology on 31st May 2022. Thirty-Six units of blood were donated to Sree Chithra Thirunal Institute of Medical Sciences and Technology, Thiruvananthapuram. Faculty coordinators were Prof. Soorya S R, Prof. Sandeep S B and Prof. Dijin J S.

# **International Family Day**

O A talk on "Family in a Post Truth Era" by Rev. Sajesh Mathews, Director, Marthoma Hospital Guidance and Counselling Centre, Trivandrum organized by the Women's Cell, LMCST as part of International Family Day (15th May) was conducted on 13th May 2022 at 10.30 AM in LOMAA Hall.



# Debate Club(English)

- An English debate competition was organised by the Debate Club in connection with the international family day 2022.
- A Debate on the topic 'Yoga for Humanity' has been conducted by the Debate Club (English), LMCST as part of International Yoga Day Celebrations on 21st June 2022.



# **World Environment Day**

• As part of World Environment Day, tree saplings were planted in LMCST Campus to initiate the 'Plant a Tree with us' scheme. The programme was inaugurated by Rev. Dr. Tomy Joseph Padinjareveettil, Director, LMCST.



# Farewellto

# Rev. Dr. Tomy Joseph Padinjareveetil and Rev. Dr. Sony Mundunadackal

The management, staff and students of Lourdes Matha Group of Institutions extended honour and gratitude to Rev. Dr. Tomy Joseph Padinjareveetil, Former Director and Rev. Dr. Sony Mundunadackal, Former Executive Director for their unwavering support and meticulous guidance in leading the path to success.



A hearty Welcome to Rev. Fr. Bejoy Arackal, Director (LMCST & LMIHMCT) and Secretary (LMCES).



# Innovation and Entrepreneurship Development Cell (IEDC)

O Akshay Krishna A, Abhiram V P, Diya Rajesh and Neha Mary Thomas participated in the IEDC Summit 2022 hosted by St. Joseph's College of Engineering and Technology, Palai on 5th March 2022.



- Student Executive Committee of IIC has been formulated.
  - Arshal M Paul (CSE) Innovation Coordinator
  - Ganga B S (MCA) Social Media Coordinator
  - Akhil B S (ECE) IPR Coordinator
  - Aromal S (CSE) Internship Coordinator
  - Kripa S L (CE) Start Up Coordinator
- IEDC LMCST invited interested students to join IEDC by submitting membership forms.
- O Got 10 Lakhs for upgrading IEDC to TBI.
- O Ateam 'Hackaholics' from IEDC LMC has been selected to attend the Rural Agritech Hackathon jointly organised by Kerala Startup Mission and Central Plantation Crops Research Institute (CPCRI) from 9th to 11th June 2022 at Palm Meadows, Kasargode.

### Team

Akshay Krishna - S2 CSE
 A S Aromal - S6 CSE
 Arshal M Paul - S6 CSE
 Arun Sundar - S6 CSE
 Joshu Joseph - S4 CSE



O HackARthon Cohort 2- Augmented Reality Hackathon organised by XtrudAR community powered by Zilicon Technologies was hosted by LMCST from 16th to 18th June 2022.







O An idea submitted by a team of CSE first year students has been selected in the first round of Young Innovators Programme, an initiative by Govt. of Kerala in association with K-DISC.



## Csm Gathering At Mar Thoma Sleeha Church Lourdes Matha, College, Kuttichal 15/06/2022



# **Solar Power Plant Inauguration**

 O 100 KW Solar Power Plant at Lourdes Matha College of Science and Technology was Inaugurated by Shri.
 G. Stephen, MLA, Aruvikkara Constituency on 21st June 2022 at 9.30 AM at LOMAA Hall.



# ISTE

- O Arts club of LMCST conducted an online Pencil Drawing Competition in association with ISTE Student Chapter of LMCST in connection with Republic Day 2022, on 8th January 2022. A total of 42 students participated from all departments of the college. The Winners of the Competition are –First Prize- Ashni.S.Baiju and Second Prize-Abhin Sam S3 CS A.
- O Department of Computer Science and Engineering & Civil Engineering in association with ISTE Student Chapter organized a Quiz Competition titled "Quiz on Republic Day" as part of 73rd Republic Day celebration on 26th January 2022. There were altogether 81 participants. The winners of the Competition are First Prize - Ahammed Shameem, S1 CSE and Second Prize-Abdul Rahuman, S1 CSE and Rosmin Rose Binoy, S3 CSE
- O Department of Computer Science and Engineering in association with ISTE Student Chapter organized an Essay Writing Competition titled "Impact of Covid-19 on Indian Economy and How to revive Indian Economy from Covid-19 Impact" on 28th February, 2022.The winners of the Competition are First Prize -Alex Tom Andrews of S5 CSE and Second prize - Athul S Vijayan of S5 ECE.



O Department of ECE in association with ISTE LMCST Student Chapter conducted a Quiz Competition as part of National Technology day Celebrations, on 11th May 2022. There were 8 teams for participation and Winners of competition are First Prize- Nandana and Karthika and Second Prize Arthur Samuel and Ashni S Baiju.



O Department of Computer Science and Engineering in association with ISTE Student Chapter organized the Coding Competition titled "Code Fiesta 2022" as part of National Technology Day Celebration, on 11th May 2022. Jins K Varghese of S4 CSE and Abin Raju of S4 CSE secured First and Second Prizes respectively for the Competition.



O Workshop on Network and Packet Data Analysis by Networks Systems was conducted in association with ISTE by the Department of Computer Science and Engineering on 25th June, 2022. Students were given a brief overview of Network configuration and hands on session in packet tracer and Wireshark. 41 students participated in the Workshop.



O Department of Computer Science and Engineering in association with LOMACE organised a Webinar on "Resume Writing Competition" sponsored by ISTE Student Chapter on 30th June, 2022.The Resource Person was Mr. Rajesh P.S, HR & Admin Manager, CGP Career Avenues. E-Certificates were distributed all the participants.

# **DEPARTMENTAL**

# DEPARTMENT OF COMPUTER APPLICATIONS

### Department News

O Department of Computer Applications conducted a Free MCA Entrance Coaching and Career Guidance at LMCST in association with STARC on 12th,14th and 21st May,2022. 32 Students registered for this programme The inaugural function of the programme was presided over by Rev. Dr. Tomy Joseph Padinjareveettil, Director, LMCST along with Rev. Dr. Emmanuel Christo, Bursar, LMCST and Dr. Beshiba Wilson, Principal, LMCST.



 S2 MCA bid a Farewell Party to Final Year Students of MCA at LMCST on 16th June 2022 and all the faculty members joined with merriment.



## **Faculty News**

- O Prof. Bismi K Charleys, Asst Professor & HOD, Prof. Anjana J, Prof. Sherin Joseph, Prof. Archa A T, Asst. Professors attended Zest 2022, a talk on "Al for good" organised by Post Graduate Department Science and Applications and IQAC of Christ Nagar College in association with Computer Society of India as part of National Technology Day on 13th May, 2022.
- O Prof. Anjana J attended a talk on "Family in a Post Truth Era" by Rev. Sajesh Mathews, Director, Marthoma Hospital conducted by the Women Empowerment Cell of LMCST on 15th May 2022.
- O Prof. Archa A T, Asst Professor has attended a Five-Day Faculty Development Programme on "Research Trends and Applications of IT" organised by Department of Computer Science and Engineering, SCMS School of Engineering and Technology, Karukutty, Kerala from 23rd May 2022 to 27th May, 2022.
- O Prof. Sherin Joseph, Asst Professor attended Catholic Students Movement "Move on ", an orientation programme for the Spiritual Enrichment of Students on 15th June, 2022 at Marthoma Sleeha Church, Kuttichal.
- O Prof. Archa A T attended Faculty Enabled Programme on Angular Course and completed the prerequisite Courses- HTML 5-The Language, Cascading Style Sheets-CSS3, Type Script, Creating Responsive Web Pages Using Boot Strap 4 organised by Infosys SpringBoard from 27th June, 2022 to 1st July 2022.

### **Student News**

- O AKHILA S A of S3 MCA was elected in the position of Arts Secretary and ABHIRAMI A.S of S1 MCA was elected as Magazine Editor in LMCST ELECTION 2021-22 conducted on 7th January, 2022.
- O Ms. Dona George and Ms. Sivakami P B of S3 MCA (2020-22 Batch) participated in ETHICAL HACKING TRAINING organized by Knowledge Solutions India on 9th January, 2022.
- S3MCA attended ASPIRE TECHNOLOGY Placement Interview Skills Coaching by Progressum Edutech on 27th January, 2022.
- S1 and S3 MCA attended Webinar on Voice of Customer Idea Submission as part of Young Innovators Programme 2021 conducted by KDISC, Govt of Kerala on 28th January 2022.
- O Gautham H of S4 MCA completed JAVA SE8 PROGRAMMING COURSE on 12th February, 2022.
- O Mr. Sarin John, Ms. Akhila S A, Mr. Aswin G, Mr. Gaotham H, Ms. Surabhi V L, Mr. Suhan Muhammed,

Mr. Manikandan J S of S4 MCA and Ms. Vismaya V of S6 MCA qualified for INTERNSHIP IN ALLIANZ TECHNOLOGIES on 12th April, 2022.

- S1 MCA attended CAREER AWARENESS PROGRAMME WITH IGP TEST TOPIC GRADUATE TO PROFESSIONAL by Ms. Preethi mol P S on 4th April, 2022.
- O Boys Team of MCA, LMCST participated in INTER COLLEGE CRICKET TOURNAMENT as a part of EQUINOX on 29th April, 2022.
- O Following campus recruitment drives were attended by S3 and S5 MCA students-

TRAISSIC – 9th JANUARY 2022 ASPIRE TECHNOLOGY - 20th JANUARY 2022 BYJUS - 21st JANUARY 2022 INFOSYS - 23rd JANUARY 2022 TATA ELXSI – 3rd FEBRUARY 2022 GREAT LEARNING - 5th FEBRUARY 2022 ALOHA – 15th FEBRUARY 2022 APPLEXUS TECHNOLOGY - 18th FEBRUARY 2022 OUEST GLOBAL – 19th FEBRUARY 2022 ACUBITS - 22nd FEBRUARY 2022 UST GLOBAL – 26th FEBRUARY 2022 TANGENTIA – 8th MARCH 2022 SPERIDIAN – 9th MARCH 2022 NEST DIGITAL - 26th MARCH 2022,29th APRIL ACMEGRADE - 26th MARCH 2022 UNSCHOOL DRIVE-30th APRIL, 2022 NEST-7th May,2022 KANTAR-11th May,2022 TRENSER TECHNOLOGY SOLUTIONS-14th MAY,2022 **OSPIDERS-20th MAY,2022** INFOSYS FINACLE-4th AND 5th JUNE,2022

- O Students of MCA conducted Department Event TECHNOVERSE as part of EQUINOX 2022 in association with STARC MCA Association on 6th May, 2022. The following were the major events : CODING – "LOGIC HACK"
  - PRODUCT LAUNCH "LAUNCH IT LIKE JOBS"
  - QUIZ "MEGAMIND"
  - DEBATE "HORIZON"
  - PHOTOGRAPHY "FOTOGRAFIA" DIGITAL PAINTING – "GRAFFITI"



- S2, S4 and S6 MCA participated in cultural events -group dance, group song, solo song for EQUINOX 2022 on 7th May, 2022.
- O Ms. Jachithra C.S of S3MCA (2020-22 Batch) completed SOFTWARE TESTING COURSE under ICT Academy of Kerala on May, 2022.
- O Mr. Ajay Venu V S of S4 MCA was selected as the BEST OUTGOING STUDENT OF MCA and he was awarded Ever rolling trophy and Certificate of Excellence during the inaugural session on 6th May, 2022.



- O Ms. Dona George of S4 MCA attended Zest 2022, a talk on "AI FOR GOOD" organised by Post Graduate Department Science and Applications and IQAC of Christ Nagar College in association with Computer Society of India as part of National Technology Day on 13th May, 2022.
- O Ms. Pooja Sivan, Ms. Abhirami A S and Ms. Anju S of S2 MCA attended a talk on "FAMILY IN A POST TRUTH ERA" by Rev. Sajesh Mathews, Director Marthoma hospital conducted by women Empowerment cell of LMCST on 15th May 2022.
- S2 MCA participated in VOLLEYBALL COMPETITION conducted as part of Sports day at LMCST on 17th May, 2022.
- O Ms. Kavya Chandran G. R and Ms. Athira C of S2 MCA secured First Prize for Girls Carroms and Ms. Abhirami A S of S2 MCA secured First prize for Girls Chess Competition conducted as part of Sports Day at LMCST on 18th May, 2022.
- Athullyamol S R of S2 MCA has secured second prize in PRISM PHOTOGRAPHY COMPETITION as part of Dhwani'22 held at College of Engineering, Trivandrum from 17th to 22nd May, 2022.
- Ms. Dona George of S2 MCA participated in the Webinar on "LATEST RESEARCH IN COMMUNICATION, BIOMEDICAL INNOVATIOMS & THE APPLICATIONS OF METAL CATALYSTS" organised by Educare Taiwan with "National Sun Yet-Sun University" on 12th June, 2022.
- O Catholic Students of S2 MCA attended Catholic Students Movement "MOVE ON ", an orientation

programme for the spiritual Enrichment of students on 15th June,2022 at Marthoma Sleeha Church, Kuttichal.

O S2 MCA attended a Pre event Webinar and Training in AR by mentors "HackARthon Cohort " - a prehackathon for Meta Spark WorldAR, organised by XtrudAR community powered by Zilicon Technologies and hosted by IEDC, LMCST on 12th June and from 16th to 18th June 2022.



**OUR TOPPERS** 



S2 MCA DEGREE EXAMINATION (2020 - '22 BATCH)

## PLACEMENTS (2020-2022 BATCH)



Syama S Infosys



Jachithra C S UST Global



**Fini Ferry** UST Global

Surabhi V L UST Global



Goutham H UST Global



Syama S UST Global



Ajay Venu V S Experion Technologies



Suhan Muhammed S Aspire Systems



Akhila S A Allianz



Sarin John R S Allianz, Innovature Labs

# DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING

Manju P

Aspire Systems

Ajay Venu V S

Guide House

Aswin G

Allianz

### **Department News**

O The quiz competition titled "Republic day" was conducted as part of 73rd Republic day celebration on 29th January 2022, aiming at giving students an awareness of Indian Constitution and history of Indian Parliament Leaders. 81 participants across various disciplines attended the quiz. Winners were Ahammed Shameem (S1 CSE), Abdul Rahuman (S1 CSE), Rosemin Rose Binoy (S3 CSE). Event was organized by Prof. Divya Christopher(CSE), Prof. Anuja Shankar (CE), Ann Treesa Tijo(S6 CSE) and Sonu Shabir (S6 CE).

O Workshop on Network and Packet Data Analysis by



Shahana S S Aspire Systems



Madhav S Ravi Guide House



Goutham H Allianz

.........

Networks Systems was conducted in association with ISTE by the Department of Computer Science and Engineering on 25th June 2022. Students were given a brief overview of network configuration and hands on session in packet tracer and Wireshark. 41 students participated in the workshop. Workshop was organized by Prof. Divya Christopher.

- O A webinar was conducted on Overview of Agile Methodology on July 1st 2022. 118 students and 12 faculty members comprising 30 members attended the 1-hour webinar. The resource persons were Mr. Nipun Varma, Delivery Manager, UST Kochi, Ms. Angel Fernandez and Ms. Anju Peethambaran. Lead, Corporate Visits, UST, Kochi. Prof. Divya Christopher, Shivashankar R P (S8 CSE) and Ann Treesa Tijo (S6 CSE) were the coordinators of the event.
- A webinar was conducted on the Topic: "Resume Writing Mastery Sponsored by ISTE in association with Lourdes Matha association of Computer Engineers (LOMACE). Speaker was Mr. Rajesh P S, HR CGP CAREER AVENUES on 30th June 2022 at 07.00 pm.
- ASAP Orientation Programme was conducted for S2, S4 and S6 students and was handled by Ms. Janaki, Ms. Chandini and Mr. Akhil on 17.06.2022.



# **Faculty News**

### Dr. Beshiba Wilson

- O Participated in the FDP on 'NAAC Awareness and Revised Accreditation Process', organised by Mother Theresa College of Engineering and Technology on 31.01.2022.
- O Successfully completed the five days National Level FDP on 'Achieving Quality and Excellence in Higher Education Through NAAC Accreditation Process" from 08.02.2022 to 12.02.2022 conducted by IQAC, Naipunnya Business School, Pongam, Koratty East, Thrissur, Kerala.
- O Participated in the NAAC Sponsored National Workshop on "Teaching, Learning and Research in the perspective of NAAC RAF organised by Bishop Moore College, Mavelikara from 14.02.2022 to 15.02.2022.

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O Participated in the AICTE sponsored Short Term Training Programme on "HIGH-PERFORMANCE COMPUTING AND DEEP LEARNING FOR IMAGE AND TEXT ANALYSIS SESSION-2" organized by the Department of Computer Science and Engineering, Mar Baselios College of Engineering and Technology from 21.03.2022 to 25.03.2022.

### **Prof. Priya Sekhar**

- O Successfully completed five-day online FDP on the theme "Inculcating Universal Human Values in Technical Education" organized by All India Council for Technical Education from 14th March to 18th March 2022.
- O Successfully participated in the AICTE sponsored online short-term training programme on 'High Performance Computing and Deep Learning for Image and Text Analysis – Session 2' organized by the Department of Computer Science and Engineering, Mar Baselios College of Engineering and Technology, Trivandrum from 21-03-2022 to 25-03-2022.
- O Attended a webinar on Overview on Agile Methodology organized by Department of CSE, LMCST in association with ISTE Student Chapter on July 1st 2022.

### Dr. Smitha J C

- O Has published a paper named "3D Flattering Amplified Neural Network-Based Segmentation of Amygdala and Hippocampus" in The Computer Journal, ISSN: 0010-4620, Vol. 65, Issue: 05, May 2022. (SCIE INDEXED with IMPACT FACTOR: 1.494)
- Attended a webinar on "Overview on Agile Methodology" on 1st July 2022 at 7.30-8.30 pm conducted by ISTE, LMCST.

### **Prof. Renetha J B**

- O Delivered an Expert session on Topics in Database Technology at College of Engineering, Perumon on 1st March 2022.
- O successfully completed the Faculty Development Programme on LINEAR ALGEBRA AND ITS APPLICATIONS sponsored by Technical Education Quality Improvement Programme (TEQIP) from 11th to 13th April 2022 at LBS institute of technology for Women, Poojapura.

### Prof. Asha A S

 Has Published a Research Paper Entitled "Fake Product Review Detection and its Removal" in International Journal of Advanced Research in Science, Communication and Technology, Volume 2, Issue 2, June 2022. • has participated in the webinar on Overview on Agile Methodology organized by the Department of Computer Science and Engineering in association with ISTE Student Chapter and collaboration with UST Kochi on 1st July 2022.

### Prof. Lekshmi Chandran

- Has published a paper named "3D Flattering Amplified Neural Network-Based Segmentation of Amygdala and Hippocampus" in The Computer Journal, ISSN: 0010-4620, Vol. 65, Issue: 05, May 2022. (SCIE INDEXED with IMPACT FACTOR: 1.494)
- Successfully completed 5 days online FDP on " Inculcating Universal Human Values in Technical Education" from 31st January 2022 to 4th February 2022.

### **Prof. Christy Jojy**

- O published a paper "Live Video Emotion Detection Using Convolutional Neural Network" in International Journal of Scientific Research and Engineering Trends, IJSRET Volume 8 Issue 3, May-June-2022, page 1428-1433.
- Attended a five- days FEP on Python Programming in Springboard Portal conducted by Infosys as part of Campus Connect from 13th June 2022 to 17th June 2022.
- O Attended a webinar on "Overview on Agile Methodology" on 1st July 2022 at 7.30-8.30 pm conducted by ISTE, LMCST.

### **Prof. Ambily Jane**

- O Has published a paper named "3D Flattering Amplified Neural Network-Based Segmentation of Amygdala and Hippocampus" in The Computer Journal, ISSN: 0010-4620, Vol. 65, Issue: 05, May 2022. (SCIE INDEXED with IMPACT FACTOR: 1.494)
- Attended a five days FDP on Research Trends and Applications of IOT, organised by the department of CSE, SCMS school of Engineering and Technology from 23rd May to 27th May 2022.

### **Prof. Divya Christopher**

- Participated in the workshop on DNS, DHCP, Web Server configuration and Familiarization in packet tracer at Networkz Systems, Trivandrum on 18/06/2022.
- O Attended a webinar on Overview on Agile Methodology organized by Department of CSE, LMCST in association with ISTE Student Chapter on July 1st 2022.
- Participated in the workshop on "Network and Packet Data Analysis" organized by Department of CSE,

LMCST in association with ISTE Student Chapter on June 25th 2022.

- Successfully coordinated Eureka 2022 Mega Quiz competition organized by the SADP committee and quiz club of LMCST, Kuttichal on Wednesday, 18 May 2022.
- O Successfully coordinated the Coding Contest 'Code-Fiesta 2022' organized by Department of Computer Science and Engineering, Lourdes Matha College of Science and Technology, Thiruvananthapuram in association with ISTE Student Chapter on May 11th 2022 as part of National Technology Day celebration.
- O Successfully coordinated the Online Quiz Competition on Republic Day organized by Department of Computer Science and Engineering and Civil Engineering, Lourdes Matha College of Science and Technology, Thiruvananthapuram in association with ISTE Student Chapter on 26th January 2022 as part of 73rd Republic Day Celebration.
- O Successfully participated in the AICTE sponsored online short-term training programme on 'High Performance Computing and Deep Learning for Image and Text Analysis – Session 2' organized by the Department of Computer Science and Engineering, Mar Baselios College of Engineering and Technology, Trivandrum from 21-03-2022 to 25-03-2022.
- O Successfully participated in the 3-day Spiritual Renewal Retreat organized by Mar Ivanios College in association with ALL INDIA ASSOCIATION FOR CHRISTIAN HIGHER EDUCATION (AIACHE) Kerala Region from 2nd till 4 March 2022 online.

### Prof. Anjana Thampy

- Successfully completed the AICTE-ISTE approved orientation/refresher programme on "Advances in cyber security" held during 19.01.2022 to 25.01.2022 organized by College of Engineering, Kallooppara, Kerala.
- Actively participated in the webinar on "THE MATHEMATICS OF DS/ML/AI" conducted by Office of Faculty Affairs & Learning Technology, Kalasalingam Academy of Research and Education on 26th February 2022.
- O Attended a webinar on Overview on Agile Methodology organized by Department of CSE, LMCST in association with ISTE Student Chapter on July 1st 2022.

### Prof. Sheeja Beevi S

O Attended a webinar on Overview on Agile Methodology organized by Department of CSE, LMCST in association with ISTE Student Chapter on July 1st 2022.

### **Prof. Nisha O S**

- O Published a paper on Modern dress designing website using php via on cloud-based system in International Journal of Advanced Research in Science, Communication and Technology (IJARSCT), Volume 2, Issue 1, and July 2022
- O Attended a webinar on "Overview on Agile Methodology" on 1st July 2022 at 7.30-8.30 pm conducted by ISTE, LMCST.
- O Successfully participated in the 3 day Spiritual Renewal Retreat organized by Mar Ivanios College in association with ALL INDIA ASSOCIATION FOR CHRISTIAN HIGHER EDUCATION (AIACHE) Kerala Region from 2nd till 4 March 2022 online.

### Prof. Asha S

- O Successfully participated in the AICTE sponsored online short-term training programme on 'High Performance Computing and Deep Learning for Image and Text Analysis – Session 2' organized by the Department of Computer Science and Engineering, Mar Baselios College of Engineering and Technology, Trivandrum from 21-03-2022 to 25-03-2022.
- O Attended a webinar on Overview on Agile Methodology organized by Department of CSE, LMCST in association with ISTE Student Chapter on July 1st 2022.
- O Attended a workshop on "Network and Packet Data Analysis" organized by Department of CSE, LMCST in association with ISTE Student Chapter on June 25th 2022.
- Successfully completed the AICTE-ISTE approved orientation/refresher programme on "Advances in cyber security" held during 19.01.2022 to 25.01.2022 organized by College of Engineering, Kallooppara, Kerala.
- O Actively participated in the webinar on "THE MATHEMATICS OF DS/ML/AI" conducted by Office of Faculty Affairs & Learning Technology, Kalasalingam Academy of Research and Education on 26th February 2022.
- O Successfully completed 5 days of online FDP on " Inculcating Universal Human Values in Technical Education" from 14th March 2022 to 18th March 2022.

### **Prof. Asha Chandran**

O Successfully completed the AICTE-ISTE approved orientation/refresher programme on "Advances in cyber security" held during 19.01.2022 to 25.01.2022 organized by College of Engineering, Kallooppara, Kerala.

O Actively participated in the webinar on "THE

MATHEMATICS OF DS/ML/AI" conducted by Office of Faculty Affairs & Learning Technology, Kalasalingam Academy of Research and Education on 26th February 2022.

- Attended a webinar on Overview on Agile Methodology organized by Department of CSE, LMCST in association with ISTE Student Chapter on July 1st 2022
- O Attended Virtual FDP on "Modern Web Application Development with MEAN stack" organized by ICT Academy of Kerala on 5th Jan 2022 to 8th Jan 2022.
- O Successfully completed module 1: orientation towards technical education and curriculum aspects by NITTT of AICTE on February 22.
- O Completed the course on python masterclass, data science 360, Intermediate machine learning, Intermediate AI and Intermediate Deep learning course by coursibuy on 26/06/2022.
- Successfully coordinated a webinar on topic Resume Writing Mastery Sponsored by ISTE in association with Lourdes Matha association of Computer Engineers (LOMACE).

### **Student News**

- A S AROMAL, ARSHAL M PAUL, DEEPIKA A NAIR, EVIN DAVIS of S6 CSE were selected as Interns in UST Technology for doing project on Sentimental Analysis.
- Akhilnath P S of S8 CSE was awarded as a token of appreciation for his state level achievements in Ju Jitsu and Sambo Sports.



A team of CSE students \*Hackaholics\* from IEDC
 LMC has been selected to attend the \*Rural Agritech
 Hackathon\* jointly organised by \*Kerala Startup
 Mission and Central Plantation Crops Research
 Institute (CPCRI)\* from 9 to 11 June 2022 at Palm
 Meadows, Kaasargode.

### Team

- 1. Akshay Krishna S2 CSE
- 2. A S Aromal S6 CSE
- 3. Arshal M Paul S6 CSE

- Arun Sundar S6 CSE
  Joshu Joseph S4 CSE
- O Winners of Coding competition conducted on 11.05.2022 as part of National Technology Day celebrations in association with ISTE Student chapter of LMCST were announced. 1st Prize was awarded to Jins K Varghese, S4CSE and 2nd Prize to Abin Raju, S4CSE.



- O Alex Tom Andrews of S6 CSE A has won First Prize in the Essay Writing Competition on "Impact of COVID-19 on indian and global economy, how to revive Indian Economy from COVID-19 impact" conducted in association with ISTE CSE DEPT on February 28th 2022.
- O Aleena Shaji of S6 CSE A has secured 1st position in the Editorial Writing Competition (in English) conducted on 17/6/22 by Department of ECE in connection with National Reading Day.
- O Anantha Krishna T of S6 CSE A has won Second Prize in the Editorial Writing Competition (in Malayalam) conducted on 17-06-2022 by Department of ECE in connection with National Reading Day.
- Alby C Alex of S6 B-Tech CSE won the first prize (Cash Award- Rs.1000) in the Contest on Reels of EQUINOX events with maximum likes for his instagram post.



O Adiya Sneha Simon secured first prize in Debate Competition conducted on May 18th 2022 in connection with International Family Day.



Vivek VM secured second prize in Debate Competition  $\cap$ conducted on 21st June 2022 in connection with International Yoga Day.



O 52 students of S6 CSE (2019 - 2023 Batch) have attended IV at UST campus, Kochi and Techgentsia Solutions, Kochi on 3rd June 2022. 2 faculty members accompanied the students for IV, Mr.Suresh Kumar K and Prof. Divya Christopher.

S6 CSE B Batch with UST Leads, Kochi on June 3rd 2022



S6 CSE A Batch with UST Leads, Kochi on June 3rd 2022



S6 CSE A Batch with Mr. Joy Sebastian, CEO of Techgentsia Software Technologies, Kochi on June 3rd 2022



S6 CSE B Batch with Mr. Joy Sebastian, CEO of Techgentsia Software Technologies, Kochi on June 3rd 2022



### **PLACEMENTS**

PLACEMENTS - CSE [2018 - 2022]









Anoop S Anil TCS









Shijin Thankachan Priyadarsini J IBS IBS

Surya W S TRENSER

Jibitha Rose B MOONHIVE/TRENSER



SWATHY R SURESH B.Tech CSE (2018-2022) spericorn

ch CSE (2018-2022)



VISHNUPRIYA J.R B.Tech CSE (2018-2022) spericorn

AKHIL A.G ch CSE (2018-2022)

ANTZ

# **ACADEMIC TOPPERS**



O Department of ECE conducted a Tech Talk on ARM Architecture: Getting started with ARM, on April 25th 2022. The session was handled by Mr. Neju A N, Senior Embedded Systems, Quest Innovative Solutions PVT Ltd.

- Department of ECE conducted a Quiz Competition as part of National Technology Day on 11th May 2022 in association with ISTE student Chapter.
- Department of ECE conducted an Online Poster Design Competition on May 12th 2022 in connection with International Nurses Day.
- Department of ECE in association with Vivarthana conducted an Editorial Writing Competition on 17th June 2022.
- Department of ECE conducted a General aptitude Test on June 24th 2022.

# **Faculty News**

O Prof. Sajitha P presented a paper entitled "Banana Fruit Disease Detection and Categorization Utilizing Graph Convolution Neural network (GCNN)" in the IEEE Technically sponsored 2022 6th International Conference on Devices, Circuits, and Systems (ICDCS) held at Karunya Institute of Technology and Sciences Coimbatore during April 21- 22, 2022.

### **Student News**

- O Ashni S.Baiju of S4 ECE got First Prize in Drawing Competition in connection with Republic Day Celebration.
- O Ashni S Baiju of S4 ECE) got NCC UO Rank.
- O Antony Joshy and Annie Raj P S of S4 ECE got SGT NCC Rank.
- Shreya Shibu and Aarsha Varghese of S4 ECE got CPL NCC Rank.
- O Gokul G B of S2 ECE got NCC 'C' Level Certificate.
- Ruben V R completed a Robotics Course Certification from VERZEO.
- Nandana and Karthika of S4 ECE got first prize in Quiz Competition on National Technology Day conducted by the ECE department in association with ISTE student chapter.
- AnandaKrishna of S6 ECE got Best NSS Team of Unit 525, LMCST for Extra ordinary Performance in Annual Special Camp 2022.
- D R Gokul of S6 ECE got Best NSS volunteer of Unit 529 LMCST for Extra Ordinary Performance in Annual Special Camp 2022.
- Adhithya Anil of S6 ECE won the first prize in the Online quiz competition conducted by NSS held on 14/01/2022 in connection with National Youth Day.

- O D R Gokul of S6 ECE has been elected as University Union Councillor of Student's Union during the academic year 2021-2022.
- Akhil B S of S6 ECE attended the two-day workshop on Electric and Future Mobility organised by Techmaghi in association with Science and Technology council, IIT (BHU), Varanasi from 14th May 2022 to 15th May 2022.
- O Akhil B S of S6 ECE has successfully completed the course in Python Programming organised by Entirentyin Pvt Ltd from 15/01/2022 to 15/02/2022.

# **ACADEMIC TOPPERS**

### M-Tech Best Outgoing Student



S4 B-TECH DEGREE EXAMINATION TOPPERS (2019-2023 BATCH)

# Department of Electronics and Communication Engineering ACADEMIC TOPPERS LIST CONGRATULATIONS S4 BTech Results (2019-2023) batch







Adithya Anil SGPA 9.74 DR Cokul Devika PS SGPA 8.23 SGPA 8.09

# **PLACEMENTS**

O Gayathri Krishnan (2017-2021) Batch placed at Grasko Solutions PVT Ltd, Bangalore as software trainee.



# **DEPARTMENT OF CIVIL ENGINEERING**

# **Department News**

- O Dr. Sunil J took charge as HOD of Civil Engineering Department on 11/04/2022.
- Prof. Sherin Alexander and Prof. Deepthi J joined the Civil Engineering department as Assistant Professors on 18/04/2022.
- O A workshop on Time Management was arranged by the Counselling Unit for the B-Tech S6 CE students on 09/05/ 2022 at the Conference Hall. The session was handled by Mrs. Rincy Joseph, Students Counsellor of LMCST.
- O The Extension Cell in association with Civil Engineering department actively participated in "Jala Samurdha Keralam" programme initiated by the Kerala water Authority in Kuttichal Panchayat on 12/05/2022. The main objective of the program was to clean up the water resources by testing the water quality and giving awareness to the local people.



O As part of the World Environment Day 2022, CE department of LMCST conducted the Environment Day celebrations on 06/06/2022 at CE Drawing Hall. Students of S4 and S6 CE and the staff of CE department participated in the event. Staff coordinator Ms. Indu Rajan delivered the Environment Day message. Students took an environment protection oath as part of this programme. An exhibition of products made out of waste materials like egg shells, paper, plastic, glass, used fabrics and accessories etc. by our students in accordance to this year's theme of Living Sustainably was also conducted.



 Department of Civil Engineering, LMCST conducted an expert talk for the S8 CE students on 31/05/2022. Experts from Carbon Blue Global, a global design and engineering services consortium known for quality services delivered the talk.



O An industrial visit was arranged for the third year CE students from 22/05/2022 to 28/05/2022 to Karapuzha dam in Wayanad.



O An expert talk was conducted on 1st June 2022 for S8 CE (2018 – 2022 Batch) at the Department of Civil Engineering by CADPOINT Authorized CADD Training Centre, Thiruvananthapuram on CAD, Animation, Graphic Design, Multimedia, creating cartoons and advertising animation.



- A webinar on Skills for an MEP Engineer: An Insight was conducted by the CE Department of LMCST for the CE students of all semester on 11/06/2022.
- Anish S U, Hari Shankar T P and Sidharth U P of S8
  CE (2018-22 batch CE) got placed in AHAM Builders
  Consultants and Developers, Trivandrum.



• Farwell to the final year students was organized by the second year and third year students of Civil Engineering department, LMCST on 24/06/2022.



 Department of Civil Engineering, LMCST conducted a workshop on Building Information Modelling for the S6 CE students on 28/06/2022 in association with CADD Center IEE.



MOU was signed with Rajadhani Finishing School on 28/06/2022.



O Department of Civil Engineering, LMCST conducted a two-hour workshop on STAAD with Bentley certification for the S4 CE students on 29/06/2022 in association with BIMLABS.

THE DEPARTMENT OF CIVIL ENCINEERING CONDUCTED A TWO- HOUR WORKSHOP ON STAAD WITH BENTLEY CERTIFICATE ON 29/06/2022 FOR S4 B.TECH STUDENTS IN ASSOCIATION WITH BIMLABS.



### **Faculty News**

• Prof. Anuja Sankar, Assistant Professor, CE was coordinator for the online quiz competition conducted by the Department of CE and CSE LMCST in association with ISTE on 26/01/2022 as part of the Republic Day Celebrations.

• Prof. Anuja Sankar, Assistant Professor, CE attended the webinar on AI in Ecology for Sustainable Future on 11/05/2022 organised by the Digital University Kerala as part of the National Technology Day 2022.

- O Prof. Sheeba Kumari J S, Assistant Professor, CE coordinated the webinar on Skills for an MEP Engineer: An Insight was conducted by the CE Department of LMCST for the CE students of all semester on 11/06/2022.
- O Prof. Sheeba Kumari J S, Assistant Professor, CE and Mr. Akhil K Raj, Lab staff, CE coordinated the workshop on Building Information Modeling for the S6 CE students on 28/06/2022 in association with CADD Center IEE.

### **Student News**

- O Hari Shankar T P of 2018-22 batch CE was elected as the Arts Club Secretary and Sonu Shabir of 2019-23 batch CE was selected as the University Union Councillor for the College Union elections held on 08/01/2022.
- O Nandan V S of S3 CE (2020-24 batch CE) secured Gold Medal in the Trivandrum District Judo Championship organized by the Trivandrum District Olympic Association on 10/01/2022.



O Academic toppers from CE department, LMCST for the KTU S4 B-Tech degree examination.



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Sara Saheer

SGPA: 8.32

SGPA : 8.18

O Adwaith S L, Jibin J B, Sooraj R L, Abhirag S, Akshay ○ Kalidasan S S of 2018-22 batch CE won the K S S R D, Anto Sagar M L and Abhishek Vinod of 2022-26 Pillai Ever Rolling Trophy sponsored by Shri. Bharat batch CE participated in the Workshop on Smart Balachandra Menon for the Best Outgoing B-Tech phone photogrammetrry as part of RAGAM organized student for overall performance on 07/05/2022. by NIT Calicut on 30/04/2022 and 01/05/2022. KSS PILLAI EVER ROLLING TROPHY FOR O Ashish S M and Bhagath S L of 2022-26 batch CE BEST OUTGOING B.TECH STUDENT participated in the Workshop on Sony Interactive FOR OVERALL PERFORMANCE Photography as part of RAGAM organized by NIT Calicut on 30/04/2022 and 01/05/2022. - SPONSORED BY, PADMA SHRI BHARAT BALACHANDRA MENON O Sreedevi Vijayan N of 2020-24 batch CE won the B-Tech 1st year topper award sponsored by LOMAA on 07/05/2022. B. TECH IST YEAR TOPPER AWARD - SPONSORED BY, LOMAA (LOURDES MATHA ALUMNI ASSOCIATION) Mr. KALIDASAN S. S. S8 CE Congratulations LMEST CIVIL DEPARTMENT O Academic toppers for KTU S2 B-Tech Examinations. SREEDEVI VIJAYAN V N S4CE (2020-24BATCH) SGPA:10 Congratulations CIVIL ENGINEERING Congratulations Dəparkmənt of sivil@nginəəring O Amal S Nair of 2019-23 batch CE received laptop as part of the APJ Abdul Kalam Technological University Scheme on "Bridging the Digital Divide" on 07/05/2022. 4:9.86 SREEDEVI VIJAYAN V N Received laptop as part of the KTU scheme on "BRIDGING THE DIGITAL DIVIDE " SGPA:8.31 1:8.52 NAKSHATHRA P SURESH SUBHIJITH S R ARYA NANDA S J O The students from CE department won the first prize in the inter departmental cricket competition held at our college on 17/5/2022. Amal S Nair S6 CE (2019 - 23 batch) Congratulations partment of styll engineering

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O Academic toppers for KTU S7 B-Tech degree examinations.



O Sreejith G M, Nipunlal R C and Arjun Gopal V S of 2018-22 batch CE won the first prize in Scale n' Build competition held as part of the Technical Fest by the CE Dept. of LBS Institute of Technology for Women on 14/05/2022.



O Harsha D R of 2022-26 batch CE participated in the event Introduction to GIS and its specific application in Civil Engineering in Prayaag-Caryatid 2022 organised by LBS Institute of Technology for Women in association with Indian Geo Technical Society on 14/05/2022 and 15/05/2022.

 Akhil M and Sreejith G M of 2018-22 batch CE won the second prize in the interdepartmental



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Carrom doubles competition held at LMCST on 18/05/2022.

O Hari Shankar T P and Abhiram S S of 2018-22 batch CE were the first runners up in the Ping Pong competition held at LMCST on 19/05/2022.



O Hari Shankar T P of 2018-22 batch CE won the first prize in the table tennis singles competition held at LMCST on 19/05/2022



# DEPARTMENT OF ELECTRICAL AND ELECTRONICS ENGINEERING

### **Faculty News**

- O Dr. Johnson Y has coordinated IPR Awareness Program with NIPAM and IP Office, Chennai on 27/4/202.
- O Prof. Renu V has attended IPR awareness/Training program under National Intellectual Property on 27/4/2022.
- O Prof. Sreekala Devi, Prof. Renu V has attended an FDP on Power Electronic Control in Renewable Energy Applications conducted by Vimal Jyothi Engineering College held from 25th -27th April 2022.
- Prof. Sreekala Devi, Prof. Renu V, Prof. Anumol George has attended an FDP on Green Energy Technologies for Sustainable Development conducted by SCMS college of engineering held from 23rd -27th May 2022.
- O Dr. Johnson Y Coordinated All Kerala Quiz Competition EUREKA-2022 on 18/5/2022 at LMCST.
- O Dr. Johnson Y has filed a patent application on Robust Inverted Pendulum Design through Fuzzy based H-infinity Control vide application number 202041042166 A on 27/5/2022.
- O Dr. Johnson Y has Filed another patent on 30/06/2022 with the title H-infinity based Self Balance Robot wide application number TEMP/E-1/42681/2022.
- O Dr. Johnson Y Coordinated the online students camp from 7/6/22 to 15/6/22 for higher secondary students on Electrical Engineering Fundamentals.
- O Dr. Johnson Y, Associate Professor, EEE has been honoured as Resource Person by Energy Management Centre (EMC), Govt of Kerala.
- O Dr. Johnson Y has Coordinated the free online crash course for KEAM 2022 at LMCST.

### **Student News** ACADEMIC TOPPERS (2019-2022)

O Ms. Apsara S has scored a CGPA of 9.82 in S4 B-Tech results. Arathy S B, Bincy P M and Parvanendhu M B were the other academic toppers.



- O Ms. Dona has scored a CGPA of 7.91 in S2 B-Tech results. Sobin Jacob Thomas and Anto Plaizes were the other academic toppers.
- O Ms. Bincy P M of S6 B-Tech Electrical and Electronics has received LATHEEF SA MEMORIAL TROPHY sponsored by BTech EEE 2006-2010 Batch for Third year Topper in EEE, LMCST.

# DEPARTMENT OF MECHANICAL ENGINEERING

### **Department News**

O Arranged following talks for S8 and S6 students

1/06/2022—Cadpoint team visited the campus and talked to S8 ME students about career awareness. Venue-S8 ME class room. Time 1:30 PM

28/04/2022—TechMEx team visited the campus and talked to S6 ME students about ASNT Level 2 certification/ QC/ Oil & Gas. Venue- S6ME class room. Time 2:00 PM

23/03/2022—TechMEx team visited the campus and talked to S8 ME students about ASNT Level 2 certification/ QC/ Oil & Gas. Venue- S6ME class room. Time 1:30 PM

17/03/2022—Tisat team visited the campus and talked to S8 ME students about Career opportunities in Mechanical Engineering. Venue- S8 ME class room. Time 2:00 PM



O Traction '22 - Techfest by Mechanical Department

Traction is the annual Tech fest conducted by the Department of Mechanical Engineering, Lourdes Matha College of Science and Technology. This event falls on the month of May and consists of an Extravaganza of events such as Moto show, Engine assembly, Slow Racing etc, along with many more fun and frolic gaming events.

Several students from various colleges in and around the state participate in the event annually. This was the 17th year of conducting Traction.



Department of Mechanical Engineering organised the Intercollegiate cricket tournament as part of Traction 2K22.

WINNER - UNIVERSITY COLLEGE THIRUVANANTHAPURAM

RUNNER UP- B J CSI Arts and Science College, MULAYARA

BEST BATSMAN - AMEER (B J CSI ARTS AND SCIENCE COLLEGE)

BEST BOWLER: - JOHN RICHARD (B J CSI ARTS AND SCIENCE COLLEGE)

O Intercollegiate football tournament as part of traction'22

First - VTM NSS DANUVACHAPURAM

Second - LOURDES MATHA COLLEGE OF SCIENCE AND TECHNOLOGY





### **Faculty News**

- O Resmi V Prasad, R Rajesh, "Development of Coating Material for Low Carbon Steels using MCDM", International Journal of Enterprise Network Management, (Accepted for Publication-IJENM-341465). [SCOPUS]
- Resmi V Prasad attended the VGST, Govt. of Karnataka, Sponsored Online Faculty Development Programme on "Recent Developments in Advanced Materials Processing Techniques and Characterization" organized by Department of Chemistry,
- O School of Engineering, Presidency University, Bengaluru from 21st to 25th February 2022.
- O Resmi V Prasad participated in the three-day National Online FDP on "ICT tools for effective teachinglearning" from 08th - 10th June, 2021 organized by IQAC, Kamala Nehru Mahavidyalaya and Nagpur.
- O Resmi V Prasad participated in webinar on "PROTOTYPES VALIDATION FOR A GREAT STARTUP" organized by Department of Civil Engineering, SRM Institute of Science & Technology, Ramapuram, Chennai-89, on 24th March 2022.
- Prof. Bindu MV published a research article titled "Thermal conductivity and viscosity of Al2O3-ZnO-MWCNT-EG ternary nanofluid" in International Journal of Energy Research. 2022;1-19. doi:10.1002/ er.8415



O Prof. Bindu MV, coordinator of LMCST debate club (English) organised a debate competition on the theme "Family and Urbanisation" on 18-05-2022 in connection with the International Family Day. Ms. Adiya Sneha Simon of S2 CS A won the first prize and Mr. Arjun Murugan of S6 ME won the second Prize.

• Prof. Bindu MV, coordinator of LMCST debate club (English) organised a debate competition on the theme "Yoga for Humanity" on 21-06-2022 in connection with the International Yoga Day. Mr. Arjun Murugan of S6 ME won the first prize and Mr. Vivek V M of S2 CS B won the second Prize.



O Prof. Jayaram. V co-authored a research article titled: "Remote Sensing Image Fusion using Sparse Representation and Deep CNN" in 2nd International Conference on Advance Computing and Innovative Technologies in Engineering. (Easy chair print (IEEE): April 27, 2022) (Galgotias College of Engineering & Technology, 28th and 29th April 2022)[SCOPUS]

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- Prof. Jayaram. V co-authored a research article titled: "Improvement of Power Quality using SMES in PV-Wind-Battery based Standalone Microgrid" in 19th International Conference on Sustainable Energy Technologies, 16 – 18 August 2022, Istanbul, Turkey. (International Journal of Hydrogen Energy)[SCOPUS/ SCIE]
- O Prof. Jayaram. V authored a research article titled: "A Brief Study on the Implementation of Helical Cross-Flow Hydrokinetic Turbines for Small Scale Power Generation in the Indian SHP Sector" in International Journal of Renewable Energy Development [SCOPUS/ ESCI]
- O Prof. Jayaram. V authored a research article titled: "A brief study on the influence of the index of revolution on the performance of Gorlov Helical Turbine" in International Journal of Renewable Energy Research. [SCOPUS/ESCI]
- O Prof. Jayaram. V co-authored a research article titled: "Design and implementation of wireless sensor network for environmental monitoring" in international journal of health sciences (Accepted on 16.06.2022) [SCOPUS]
- Prof. Jayaram. V co-authored a research article titled: "Hybrid artificial neural network algorithm for air pollution estimation" in international journal of health sciences (Accepted on 16.06.2022) [SCOPUS]
- Prof. Jayaram. V co-authored a research article titled: "Load balancing technique based on hybrid resource utilization in cloud computing" in international journal of health sciences (Accepted on 16.06.2022) [SCOPUS]
- Prof. Jayaram. V authored a research article titled: "Design and Analysis of Gorlov Helical Hydro Turbine on Index of Revolution" in International Journal of Hydrogen Energy. [SCOPUS/ SCIE]

### **PLACEMENTS**



HR Sabari Krishnan ACME GRADE



Adarsh S Kumar ACME GRADE

# **Student News**

O Adarsh George received Mech Prize merit scholarship



**Aravind SM** 

ACME GRADE

 ANOOJ S J has been selected as the - Best Outgoing B-Tech Student for overall academic performance during the year (2018-22) and he was the College Topper in S7 University Exam Result.



 Anooj S J is the College Topper of the Academic Year 2018-22.



# Other Academic Highlights S7 ACADEMIC TOPPERS



### **S8 ACADEMIC TOPPERS**



### **S4 ACADEMIC TOPPERS**



### **S2 ACADEMIC TOPPERS**



- Akshind A D of S4 ME has successfully completed the Social Media Marketing Internship as a College Ambassador at Techfest, IIT Bombay with a silver medal
- Akshind A D has secured Second Prize in the online videography competition conducted as part of World Environment Day Celebrations conducted by NSS college of Engineering Palakkad.



 SAJAN and ABHIRAG (S4ME) received corporal rank NCC.





# DEPARTMENT OF MANAGEMENT STUDIES

### **O WORLD WATER DAY CELEBRATION**

Lourdes Matha Institute of Management Studies, Trivandrum (LMIMS), organized a water day celebration on 22nd March 2022 to increase the knowledge among students to save water and the entire celebration was focused on the importance of freshwater. As part of this, a webinar was also organized. The resource person was Dr. Sabu Joseph. Students made posters regarding the importance of preserving water and displayed in the campus.



### ○ INTANGLIO PHOTOGRAPHY COMPETITION

LMIMS organized a PHOTOGRAPHY COMPETITION exclusively for UG and PG students. The theme of the competition was "PEACE FOR MOTHER EARTH". The Faculty Coordinator of the event was Ms. Ancy A and the student coordinator was Mr. K S Akshay. 21 participants registered for the competition. The judge of the competition was Professional Photographer Mr. Sugeeth Krishna. From the entries received, he shortlisted the best 3 photographs. The results were announced by Cine artist Ms. Devika Krishna on April 8th 2022.

### **O NEYYAR DAM VISIT**

Lourdes Matha Institute of Management Studies (LMIMS) organized a Neyyar Dam visit for S2 MBA students on 8th April 2022 as part of the subject named Integrated Disaster Management. Students departed from the campus by 10 am along with class advisor Ms. Meera Rose Benny and Mr. Ninu John. They learned a lot of things regarding the Dam and its importance and returned the campus by 3.30 pm.



### WEBINAR ON THE TOPIC "Investor Awareness Programme - An Overview of Securities Market & Career Growth"

Lourdes Matha Institute of Management Studies (LMIMS) organized a webinar on 19th April 2022 at 11 am. The theme of the webinar was "Investor Awareness Programme - An Overview of Securities Market & Career Growth". The webinar was organized for the students by BSE in association with BIAP Mumbai & Apex Academy, Kochi. The resource person was Mr. Manoj T N, Ex-AGM IDBI Bank, BFSI Trainer, RP - IICA, SMART - SEBI, Certified National Trainer -Skill India Mission. The webinar was coordinated by Ms. Ancy A (Assistant Professor LMIMS). The program started with a welcome speech by Mr. Lokhum (First year MBA, LMIMS). After that, the session was taken over by Mr. Manoj T N. He gave a detailed idea regarding securities market and its growth. The session was very effective and informative. Ms. Ancy A (Assistant Professor, LMIMS) concluded the session with a Vote of Thanks.

### O KMAT Coaching for MBA Aspirants

Lourdes Matha Institute of Management Studies, Trivandrum (LMIMS), organized a free 3-day online KMAT Coaching Session from 27, 28 & 29 April 2022. The Resource person for day 1 was Mr. Basel he gave a class for English Language Usage and Reading Comprehension. On day 2 and day 3, the resource person was John George. He gave a lecture on Quantitative aptitude and Data sufficiency and Quantitative Aptitude. 18 participants were present on day 1 and the topics covered were Vocabulary (New words, root words, word origins), Idioms, Parts of speech, Articles, Tenses, Spot the error, Sentence arrangements, Paragraph shuffling. 21 participants were present on day 2 and the topics covered were Percentage, Profit and Loss, simple interest, compound interest, time and work, time speed and distance, series. 20 participants were present on day 3 and the topics covered were Data interpretation using tables, bar diagrams, pie diagrams, line graphs, Blood relations, directions, puzzles, coding, date and calendar, clock, mirror image. The sessions proved to be very useful for the MBA aspirants.

### XIME IMMERSION FOR S2 MBA STUDENTS

To get an exposure to a different learning environment, two days XIME immersion programme was arranged for S2 MBA students on 13th and 14th of May. The two-day programme was a great experience to the students. Student's undergone different sessions at XIME campus on Presentation skills, Building leadership in the new generation etc. Apart from the informative sessions several ice breaking sessions were also there. On the second day, an industrial visit was also organized by XIME, Cochin for the students to SUDE CHEMICALS INDIA PVT, LTD. Overall, the immersion programme was a great success with much stuffs to takeaway. The whole process was fun, interactive and also it was good to see that all the students were quite cooperative and civil in all the affairs. The trip was organized and co-ordinated by Dr. Syamnath R S (HOD LMIMS), Rev. Fr. Varghese Nambimadom (Assistant Professor LMIMS) and Ms Ancy. A (Assistant Professor LMIMS).



### INDUSTRIAL VISIT TO Masco Tea Factory Kannankulam, Vagamon

Lourdes Matha Institute of Management Studies, Trivandrum (LMIMS), organised an industrial visit for 2nd semester students to Masco Tea Factory Kannankulam, Vagamon. Landscape of Vagamon, a small picturesque town in the mountains of Kerala in South India. The MALANAD SERVICE CO-OPERATIVE BANK LTD which was established in 1970, under took a prestige project, a Tea Processing Unit- with an aim to save the poor member farmers to get an adequate price for the green tea leaves. In 1995, they started to produce tea leaves. But there were several hurdles waiting for them and after facing severe setbacks, the bank authorities decided to set up a tea factory by itself. On 02.11.2000, the society started the new venture, Tea Processing Unit at Vagamon and for thousands of farmers, this was a ray of hope and a dream come true. The trip was very informative and useful. The trip was organized by Dr. Syamnath R S (HOD LMIMS) and Ms. Jeny R J (Assistant Professor LMIMS).

### O CAREER COUNSELLING WORKSHOP

Lourdes Matha Institute of Management Studies, Trivandrum (LMIMS), organized a career counselling workshop at Trivandrum to increase awareness among graduate students and let them understand why an MBA/PGDM after graduation. The workshop was held at Hotel Seven Hills, Thampanoor on 11th June 2022. The workshop seemed to be very useful for the Graduate students.

### O XIME IMMERSION OF S4 MBA

To get an exposure to a different learning environment two days XIME immersion programme was arranged for students of Batch 16 on 16th and 17th of June. The two-day programme was a great experience to the students. On June 17 morning, there was an Inaugural session led by Dr. Smitha Sony. After that, Mr. Alok Krishna gave the welcome address and Prof. Francis officially inaugurated the program and talked about the differences between XIME and LMIMS in terms of their affiliation and accreditation systems. It made students realize the differences between the two Institutes and obviously filled in with the knowledge on which fields we need to focus more on so as to keep up with our counterparts at XIME. Mr. S R Nair took a session on Industry expectations from management graduates. He gave some indispensable pointers in self-awareness which was followed by a group activity to test the student's team creativity. On June 18, Mr. S R Nair took the first session and spoke on how to face interviews, which was instrumental for the student's future endeavours. The last session was taken by Mr. Alok Krishna in which an assignment was given to test the team compatibility and cognitive abilities of students. Overall, the immersion programme was a great success with much stuffs to takeaway. The trip was organized and coordinated by Dr. Renjith Thomas (Assistant Professor LMIMS) and Ms. Ancy A (Assistant Professor LMIMS).



### O PLACEMENT DRIVE REPORT

Lourdes Matha Institute of Management Studies (LMIMS) organized a placement drive for batch16, with different companies such as Kompetenzen, Acme grade, Moon hive, and Guide house, Reliance Retail, Sarovar Portico Hotels & Resorts, Lulu Group, Toni & Guy, ESAF Bank, NewAgeSys India and Extra Marks. 24 students were placed through these placement drive.



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Rev. Fr. Bejoy Arackal, Director Dr. Beshiba Wilson, Principal

FACULTY EDITOR Prof. Christy Jojy, Asst. Prof., Dept of CSE

FACULTY CO-EDITOR

Prof. Ambily Jane, Asst. Prof., Dept of CSE

# **FACULTY COORDINATORS**

Prof. Anjana J (MCA) Prof. Indu Rajan (CE) Prof. Sajitha P (ECE) Prof. Deeja Milner (ME) Prof. Maria Mathew (EEE) Prof. Ancy A. (MBA)



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# LOURDES MATHA COLLEGE OF SCIENCE & TECHNOLOGY

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