



# UNISPARK

## Universal Engineering College

Approved by AICTE, Affiliated to APJ Abdul Kalam Technological University

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HERE'S WHAT'S UP!

Message - Chairman

Message - Principal

NSS

Workshop

Technical Talk

IEDC

Encon Club

Mathematics Club

Christmas Celebrations

Student Startup

Student Achievements

Faculty Achievements

Sports

Placed Students

## VISION

*Provide excellent engineering education, imparting skill development and innovation ecosystem to create engineers that cater to the needs of the society with strong ethical values*

## MISSION

- *Qualified faculty and intact infrastructure, bestow creative and innovative engineering education.*
- *Equip the students with competent and cutting edge technologies.*
- *Mould the students to meet the changing challenges with global outlook.*
- *Inculcate moral and ethical values among students so as to serve the needs of the society.*



V.K Shamsudeen  
Chairman

## Message - Chairman

"If an action is not making a difference, set new standards while monitoring the old ones" Brendon Burchard.

You will have to make a lot of choices as you climb up the ladder of success. These choices are influenced by what you deem necessary for your growth. Necessity is the emotional drive that makes you want to perform better all the time. It demands that you take action and get the job done because it is the right thing to do at a particular time and not just because it is an option. Some factors influence performance necessity, and they can be internal or external.

The internal forces are your identity and obsession. Your standards fuel necessity, so you need to be interested in the things you do. Tie your identity to doing a good job and dare to expect something great while setting challenging goals that you are bent on achieving. Curiosity is a trait that will help you experiment with many things until you find the thing that sparks your interest. Embrace it as you make your journey through life. On the other hand, the external forces that drive you to perform well are things like a social duty that gives you a sense of responsibility to someone other than yourself. This means you are committed to doing something for the other person.

When you find meaning in your goals, you are one step in the right direction.



Dr. Jose k Jacob  
Principal

## Message - Principal

That combination of thought and action defines creative confidence: the ability to come up with new ideas and the courage to try them out.

Tom Kelley

“Creativity isn’t some exceptional gift to be enjoyed by the lucky few. It is a natural part of human thinking and behaviour. You have tons of creative potential waiting to be tapped. And all it takes is for you to change your mindset, face your fear, and take immediate action. Creative confidence is all about believing in your innate ability to change your world.

It is the belief that you can achieve whatever it is you set out to do. We forget that we were all creative while growing up. We all played and explored and tried out weird things without shame or fear. But as we grew older, we started to learn shame and the fear of rejection. And then we started to play it safe, and eventually accept whatever role our society assigns us. This is the reason why many people go through life without ever living to their full potential.

One major prerequisite to achieving creative confidence is the belief that your skills and capabilities are not set in stone. If up to this point, you’ve believed you are not a creative person, you have to let go of that belief and adopt a growth mindset. You have to believe that it is possible to grow and learn. By being confident in your creative abilities, you will see the world in a new light. You will start to experience a constant stream of inventive ideas, as there will be a radical change in how you approach and solve problems.

# UEC Management

**V.K Shamsudeen**, Chairman & Managing Trustee

**P.B. Abdul Jabbar**, Chief Patron

**P.K. Salim**, Vice Chairman

**C.K. Mukundan**, Vice Chairman

**Jayraj B. Pillai**, Secretary

**V.K. Abdul Gafoor**, Treasurer

**V.K. Abdul Salam**, Joint Secretary

**Jabir K. Mohammed**, Executive Director

**P.B. Anvar**, Executive Member

**P.B. Zainudeen**, Executive Member

# Academic Heads

**Dr. Jose K Jacob**, Principal

**Dr. K K Narayanan**, Head of the Department, Applied Science & Humanities

**Dr. Sreeraj R**, Head of the Department, Computer Science & Engineering

**Dr. Premshankar**, Head of the Department, Mechanical Engineering

**Dr. Harinarayan N H**, Head of the Department, Civil Engineering

**Dr. Joly**, Head of the Department, Electrical & Electronics Engineering

**Dr. Arun Pradeep**, Head of the Department, Electronics & Communication Engineering

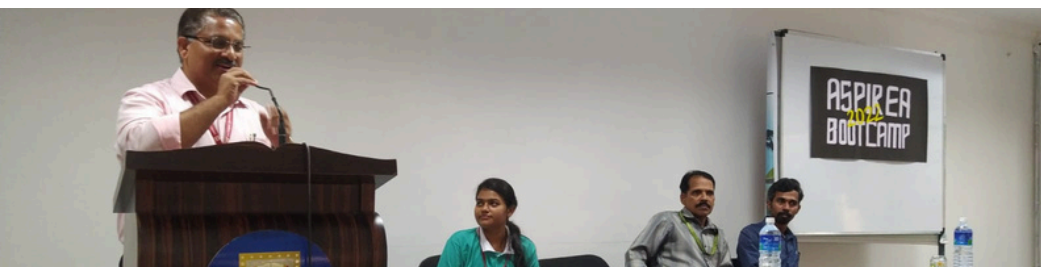


Universal Engineering College was honoured by LENSFED Thrissur ( All Kerala Licensed Civil Engineers Association) for the constant support offered to them by the civil department. Our principal Dr. Jose K Jacob received the award for the college.

Mr. Sajan Jose (AP, CE) was also honoured by LENSFED Thrissur District Committee for providing intellectual sessions on IBPMS software on the occasion of Annual Conventional Meet held at Thrissur. The award was presented by \*Sri. P. Balachandran (MLA, Thrissur)\*



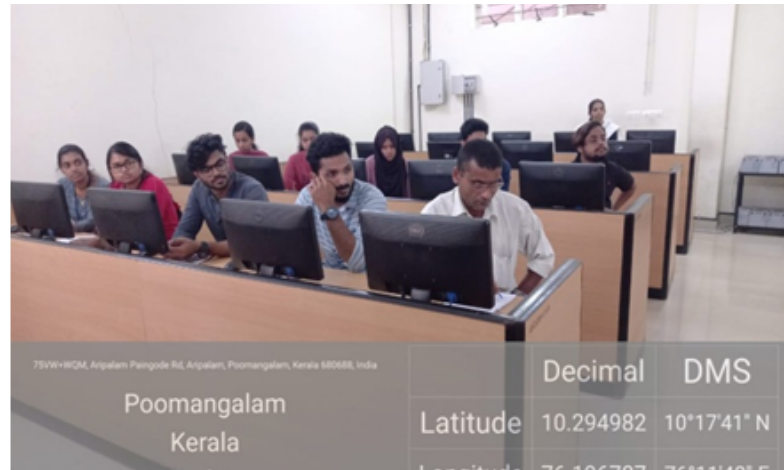
IEDC UEC had conducted two days boot camp for our students on 9th and 12th December 2022. The boot camp aimed to make the students to brainstorm and come up with innovative or business idea's. Main focus was given for agriculture sector. But the students were free to come up with ideas from other domains also. 21 teams participated in the program (total 81 students). There were three technical sessions. Mr. Pradeep kadamangalam, Ret. Agricultural Officer, briefed about the problems faced by the agricultural sector and the areas where engineering students can contribute were also addressed by him. Mr. Antonio Joseph, IEDC Nodal officer, took a session on the Agritech startups and its opportunities in Kerala. Dr. Sreeraj R, HoD CSE, delivered a session on Application of Data science in agriculture sector. Amidst these sessions there were activities and games to assess the skills of the participants and to give feedbacks. At the end, each team was asked to present the ideas they had worked out during these two days. Among them 6 ideas were found to be good, which can be converted into a startup or a business and few others need some more technical supports to refine it further. Series of programs are planned for the next semester to help the students to convert their ideas into a prototype stage and move further. IEDC executive committee students were fantabulous and proactive. They had played an important role in the success of this program.



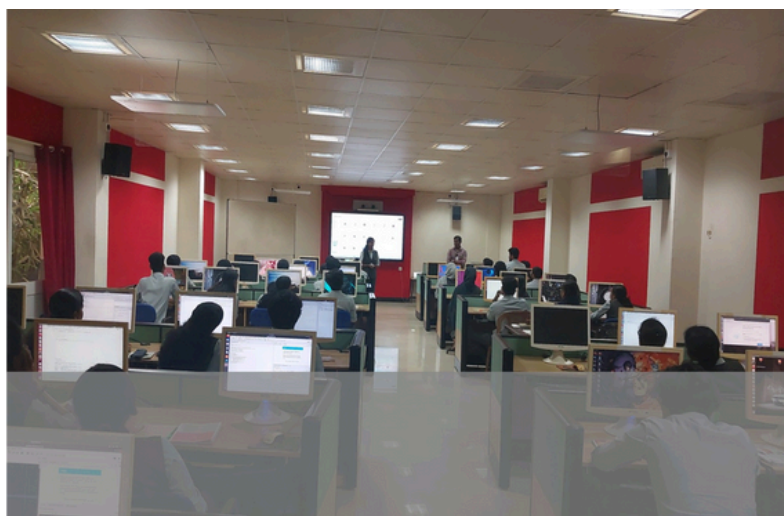
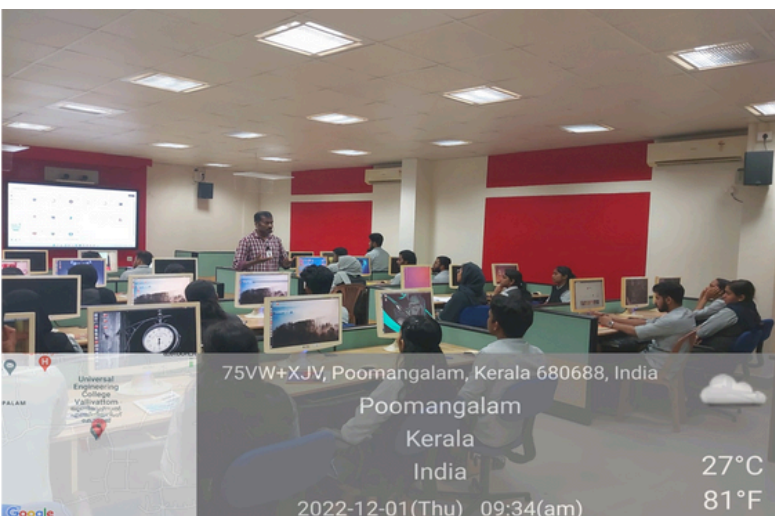
# WORKSHOP



A Workshop on “Empowering Knowledge On IPR & Technical Publications” was conducted by SRISHTI Tech Club in association with Research and Development Cell, UEC on 22nd December, 2022 at 2:00 pm at B Block, CADD Lab. The session started with welcome speech by Ms. Chithira Krishnakumar ( AP & Staff Coordinator of SRISHTI Tech Club).



The session was followed by the workshop lead by DR. Harinarayan N H , HOD, Civil engineering department. The talk gave basic ideas on Technical paper writing, publishing and IPR. The session concluded at 4.00 pm by Vote of Thanks.



A One-day workshop on “PYTHON – QUICK START” was organised by CSE Department in association with RACE on 01/12/2022. The venue was SDPK lab, Main Block. The resource person was Dr. Sreeraj R (HOD, CSE, UEC). This session was a part of Techno-Yathra Workshop Series which aims to enhance the technical skills of students.

# A DAY FULL OF STARS !



Department of Civil Engineering in association with CESA Organised an honouring ceremony “A Day Full of Stars” on 20 December 2022. The event was managed under the guidance of the honourable principal Dr. Jose K Jacob and Head of Civil Engineering Department Dr. Harinarayan N H. The program was enlightened by the presence of Mr. Abdul Gafoor, Treasurer UEC Trust.



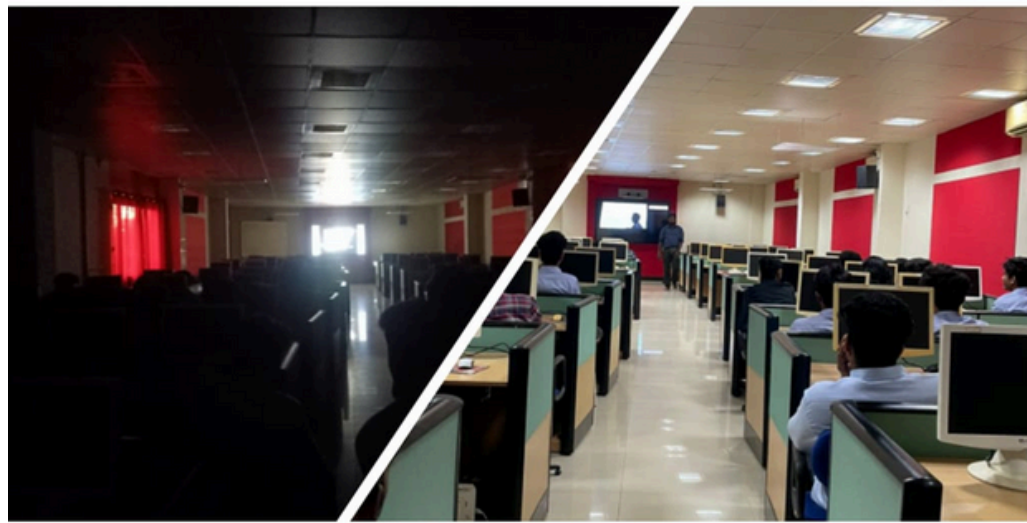
The academic achievement of our students were also recognised in the function. Students who secured the first three positions in the latest university results (UG & PG) and those who got outstanding grades in the courses were also awarded. Out of class, activities affect in enhancing many skill developments. We encourage the talents of our students in every fields. The state cricket team players, Kabaddi team members and football players were awarded in the function. All faculties of the department were awarded in the function for their excellence in the academics and out of the class performance, Mrs. Amritha E K (Associate Professor, Dept of Civil Engineering) and Mrs. Remya Pramod (Senior lab instructor Dept of Civil Engineering) were also awarded for their achievement for serving Universal Engineering College for the last decade. We admire Mr. Sijo Antony A (AP, Civil Engineering Department), the supporting hands behind and for the sincere coordination of this program to become a great success. The programme was ended with vote of thanks by Ms. Krishna M M (AP, CE department).

On December 14, 2022, Dr. Rahul Ropnair, Postdoctoral Research Fellow at IIT Bombay, presented a **technical talk** on Traffic Planning. His discussion delved into advanced methodologies and strategies for optimizing traffic flow and managing congestion in urban environments.

# GANIT 2022

In connection with National Mathematics day On 2022, Mathematics club conducted a series of programmes .The programme was named as“GANIT 2022”,& was celebrated from 15th Dec 2022 to 22nd Dec 2022 with various programs.

- On 15th Dec 2022, Poster and Chart making on theme basis was conducted. Bhadra G Nair(S3CSE) & Darsana (S1CSE), Yadhu Krishna (S1CE) have secured first prize in Poster & chart making competitions.
- On 16th Dec 2022 , a short film “Life of Genius of Srinivasa Ramanuja” was shown in the Main Lab., Main Block.Show timing was from 11.30pm -1.00pm Allowed only 60 numbers maximum, with an entry fee Rs 10/-.
- On 17th Dec 2022 , Quiz on General Mathematics was conducted. The quiz questions are based on Mathematicians and its discoveries, Puzzles, Maths for fun etc. More than 70 participants attended the Quiz competition. Devika Sunni (S1 EEE),AbuThahir (S1ME) & Shebin Sha (S7ME)are the winners
- On 19th Dec 2022, a talk on History of Mathematics by Mr. Rahul Ravi, Assistant Professor, Dept of Applied Sciences & Humanities of this college. He pointed out that Srinivasa Ramanujan is known as the king of maths in India due to his contribution by working on the Analytical Theory of Numbers, Elliptical Function, and Infinite Series.
- On 20th Dec,2022 a competition based on Mathematics through “Origami and Doodle Art”.Origami, the ancient art of paper folding, has applications in the modern-day classroom for teaching geometry, thinking skills, fractions, problem solving, and fun science. Doodling makes you more creative. The act of drawing is creative in itself and can help you come up with ideas to solve whatever problems you might be stuck on.





A workshop on Software Tools used in Mathematics by Gayathri. K. K, Assistant Professor, Dept of Electronics & Communication of this college was held on 21st Dec 2022

Top 5 Mathematical Software: Microsoft Mathematics - For 2D and 3D diagrams., Cadabra - For field theory problems, GeoGebra - Built-in calculus tools., Photomath - Mobile app. and SpeQ Mathematics - For trigonometry problems.

Several students from different semesters attended this seminar. Students got awareness of software tools used in Mathematics.



The valedictory function was conducted on 22nd Dec, 2022 at B block seminar hall. Dr. Jose K Jacob, Honourable Principal, Dr. Narayanan K K, HoD - Department of Applied Sciences & Humanities, Dr. Sreeraj, HoD - Department of CSE & IQAC coordinator, Dr. Prem Sankar, HOD, dept of Mechanical Engineering, Dr. Arun Pradeep, HOD Dept. of Electrical & Electronics Engineering & Mr. K K Abdul Rasak Workshop Superintendent have attended the function





The programme started at 10:30 am with the welcome address by Mr. Rahul Ravi, Assistant Professor, Department of ASH. Principal Dr. Jose K Jacob highlighted the applications of Mathematics in Engineering. Dr. Sreeraj also mentioned the importance of Mathematics in Engineering and real life too. He appreciated their work. Dr. Narayanan appreciates the coordinators and members of Mathematics club for their efficient work to make the one week programme become successful. Principal distributed prizes for the students who scored the Grade S in Mathematics for any of the semesters S1, S2, S3, S4.

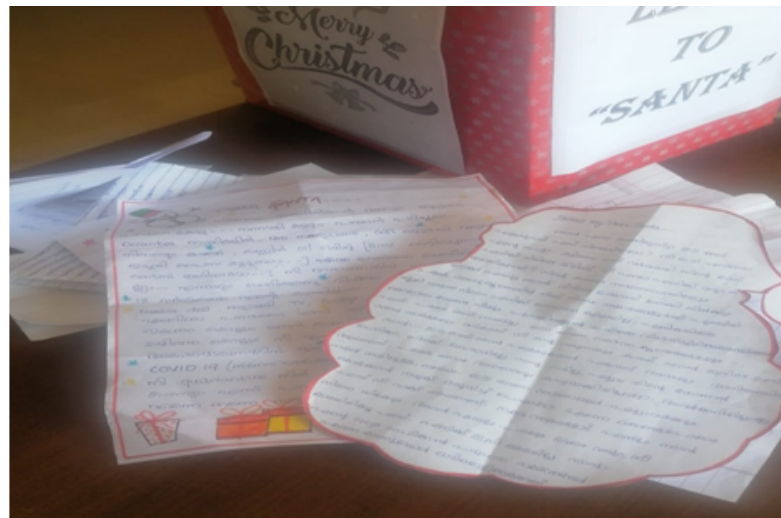
The club coordinator Mrs. Dhanya C G presented one year club activity reports to the audience. Sreebhadrha Hareesh, Muhammed Azhar (S3 CSE), Bharath (S5 ME) & Divya Jyothy (S1CE) were elected as new students' club coordinators. A documentary on "Tribute to Srinivasa Ramanuja" was played in the function. The vote of thanks which was given by Ms. Aparna K U, Student Coordinator of Mathematics Club. The programme wrapped up around 1:30 pm.



"Personality & Reliance Enrichment Program's (PREP), follow up session (2nd series) has been successfully conducted on 03-12-2022 by Ms. Suprabha C.C., Assistant Professor, Applied Sciences & Humanities department.

# Literary & Debate Club

To spread the message of love and good cheer, the Literary & Debate Club of UEC presented “Jingle Bells” a variety of programmes on the occasion of the world’s most loved and celebrated festival, Christmas. Christmas Celebration at our college was organized from 15th Dec to 23rd Dec 2022. The first program was the Letter Writing Competition “Letter to SANTA”. Encouraging students to write letters will improve their communication, social and handwriting skills, and teach them what they need to know about writing and structuring letters. This competition is opened for all staffs and students. A decorated box is kept near the reception in the main block for putting the letters. Several students and staffs from all departments have posted their letters to SANTA. SANTA had replied to all the letters he received and make them happy. First Prize is awarded to Ms. Anamika G (S1EEE) and Second Prize is awarded Ms. Megha Akshara (S1 CSE)



The second programme held in connection with Christmas celebration was SPOT CHOREO. Dancing can boost our brain and body. Many students from different Semesters are participated and enjoyed very well. First Prize is awarded to Ms. Saniga (S1CSE) and Second Prize is awarded Ms. Athira (S1 CE) & Ms. Athira (S1 CE)



The next day programme, Carol Song Competition was held on 21st Dec 2022. The competition engaged students in singing carol that set the mood and built anticipation among all. The word carol actually means dance or a song of praise and joy. Students of all semesters sang a variety of carols enthusiastically and melodiously, spreading the message of faith, happiness and peace. Carol singing at Christmas time is a wonderful way to spread the festive cheer and sense of togetherness. First Prize is awarded to Ms. Navami P M and Team (S1CE)



On the final day 23rd Dec 2022, the Fashion show and Cake Competition was held. The objective was to create a team spirit among the students and was an eye opening for few students to realize they have some hidden talents. First Prize in Fashion show is awarded to Ms. Raichel (S1CE) and in Cake Competition First Prize is awarded to S1 CE class.



## STTAR



The first session of Mentoring "**STTAR**" ( Student Transition Through Achievers Reach out) has successfully completed on 02-12-2022. The chapter was officially Inaugurated by our respected Principal Dr. Jose K Jacob. A mind blowing & interactive session was handled by Ms. **Suprabha C C**, Assistant Professor, Applied Sciences & Humanities department.

# Encon Club



Poomangalam, Kerala, India  
75VW+WJG, Poomangalam, Kerala 680688, India  
Lat 10.294776°  
Long 76.19654°

Encon club of UEC in association with Pappinivattom Service Co Operative Bank Ltd celebrated National Energy Conservation day with Seminar and Solar Exhibition. The program and Exhibition inaugurated by Sri C K Gopinathan, President, Pappinivattom Service Co Operative Bank. The programme was resided by the Principal Dr Jose K Jacob. Seminar inaugurated by Sri Murukeshan R A Chief Executive Officer Papsco Energy. Felicitation address delivered by Dr K K Narayanan HOD ASH. Votes of Thanks delivered by Judin Xavier Students Convenor Encon club.



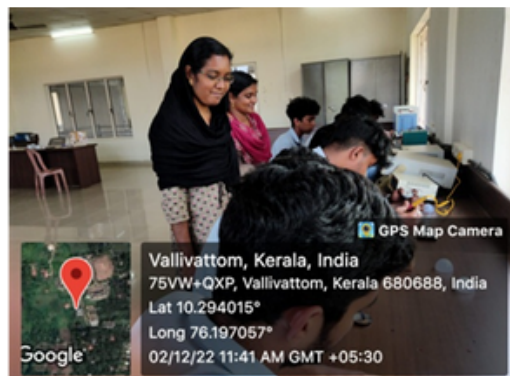
# Training on LED Bulb Making

'Training on LED Bulb Making' – A training session arranged by ION, technical club of Department of Electrical & Electronics Engineering in association with ENCON CLUB, UEC for second and third year EEE students on 2nd December, 2022.

Official inauguration of the training session was done by principal, Dr. Jose K Jacob. A talk on importance of energy conservation and LED bulb making was given by ENCON club coordinator and workshop superintendent, Mr. Abdul Razak K K. A total of 65 students from third and fifth semester of Electrical & Electronics Engineering Department attended the session. ENCON club coordinator Mr. Abdul Razak K K distributed the booklet 'Urjjalabham namukkum nadinum' among the staff and students after the inaugural function.



Students were provided with LED kit and Ms. Mary Ginja (Lab staff, Electrical and Electronics Engineering Department), Ms. Haseena P I, Ms. Jasmine R & Ms. Mariya Melvy (Lab staff, Electronics and Communication Department) and Mr. Sreenivasan P K (Lab staff, Mechanical Department) trained students for making LED bulb.

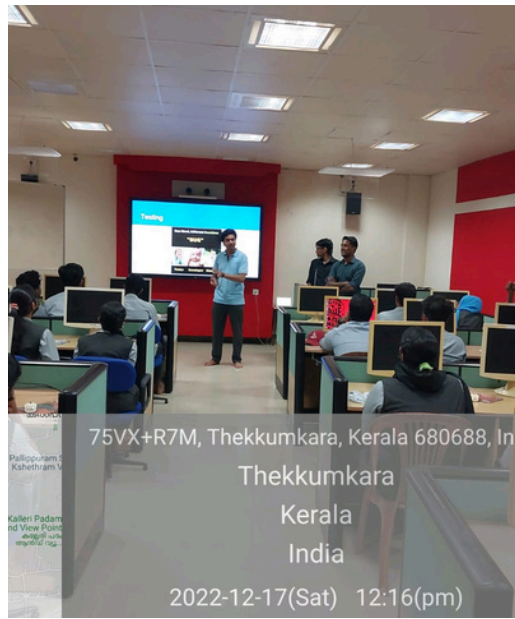


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# TRAINING PROGRAM ON "HOW TO KICKSTART AN APP DEVELOPMENT JOURNEY"



75VX+R7M, Thekkumkara, Kerala 680688, India  
Thekkumkara  
Kerala  
India  
2022-12-17(Sat) 11:44(am)



75VX+R7M, Thekkumkara, Kerala 680688, India  
Thekkumkara  
Kerala  
India  
2022-12-17(Sat) 12:16(pm)



Department of Computer Science & Engineering in association with RACE & FOSS Club organized a training program on "How to kickstart an APP Development Journey" on 17/12/2022. The venue was SDPK lab, Main Block.. Alumnis of CSE Vishnu Murali(Software Engineer, TCS), Prayagdev E ( Associate Software Engineer, TCS) and Jaefer (Freelancer & Entrepreneur) handled the session.

## TECHNICAL TALK



75VX+R7M, Thekkumkara, Kerala 680688, India  
Thekkumkara  
Kerala  
India  
27°C  
81°F  
2022-12-09(Fri) 02:25(pm)



Department of Computer Science & Engineering in association with RACE organized a technical talk on "RESEARCH DIRECT - Research Paper Writing Tools & Publication Process" on 09/12/2022. The venue was SDPK lab, Main Block.. Ms. IRFANA PARVEEN C A Assistant Profesor, CSE handled the session.

# CHRISTMAS CELEBRATIONS



S5 mechanical engineering students designed and developed moving STAR. Respected Principal Dr. Jose K Jacob switched on the "moving STAR " on 23-12-2022

# SPORTS

Department of physical education in association with S5 Mechanical students organised 5's football tournament. S3 CSE were the winners and S7 CE were the Runner up



**Winners - S3 CSE**



**Runner up - S7 CE**





On the occasion of AIDS Day NSS 590, UEC conducted various programs to spread awareness against AIDS. Volunteers distributed badges and took pledge. They also participated in a rally conducted by Health Department, Vellangallur Panchayat.



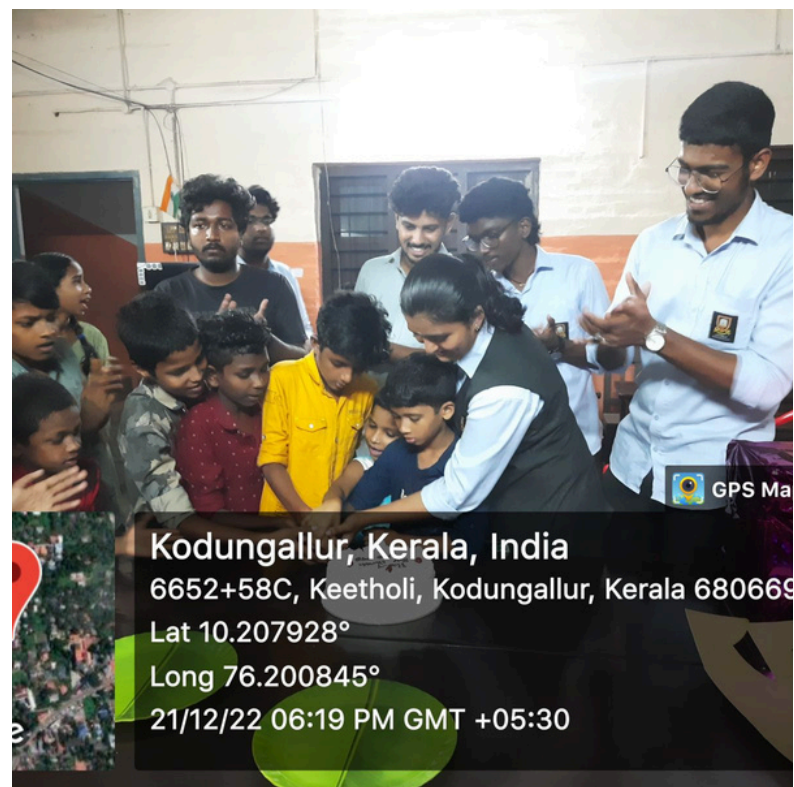
As a part of National Pollution Control day, NSS unit 590 of Universal Engineering college organised an event of Distribution of Paper bags on 2nd December 2022. Around 50 NSS volunteers supported the event by making a paper bag by their own and it was collected by the NSS coordinators. Paper bags were distributed to every department.



On 2nd December 2022, the NSS Unit 590 of Universal Engineering college organized a programme titled "Padheyam" in which the NSS volunteers served nutritious lunch packets. The food was collected by the NSS coordinators from the College. Around 250 Meals were distributed in and around Irinjalakuda and Kodungallur



Padheyam - Lunch packet distribution on the occasion of Christmas by NSS 590 volunteers at Kodungallur and Tripprayar



On December 21, 2022 NSS 590 volunteers of Universal Engineering college along with Team Decibels Visited an orphanage , Prathyasha Bhavan, Kodungallur. Christmas gifts and cakes were gifted to the children. The amount for the program was raised by cake challenge conducted on the last two days.



NSS 590, UEC gifted all the Non Teaching staffs of UEC a token of love during this Christmas season



S3 Mechanical Engineering Students organised DJ and Fans meet in related to 'World Cup football 2022' on 07 /12/2022 at 3.30 pm.

# FACULTY ACHIEVEMENTS



Paravur Vaddakekara Service Cooperative Bank 3131 Kliptham awarded Mr. Abdul Razak K K Workshop superintendent best farmer award for the year 2021-2022

# STUDENT STARTUP



S7 Civil students Tom Sujana, Jafar Sadique and Sreerag have initiated a startup named BUILD AND DESIGN. The inauguration was carried out by Mr. Abdul Gafoor Sir (Treasurer, Universal Educational Trust). Mr. Abdul Gafoor Sir congratulated the students for the initiative. The inauguration ceremony was graced by the presence of our beloved Principal Dr. Jose K Jacob.

# STUDENT ACHIEVEMENTS



Around 35 students from S5 CSE were participated various games and workshops in TEKWIZA (TECHFEST) conducted by Sahrdaya College of Engineering and Technology on December 2nd and 3rd. Student Group consisting of Arjuna Chandran, Mahin M and Suhail C R won first prize and rewarded Smart Watch worth 2K and Cash prize of 150\$ in Debugging Competition as part of TF Around hands on workshop. Akhilesh K B won first prize in QUARK FENDO game

AMAL SHAJ P S (S7 ME) achieved First Prize in “KERALOLSAVAM” District level VIOLIN Competition.



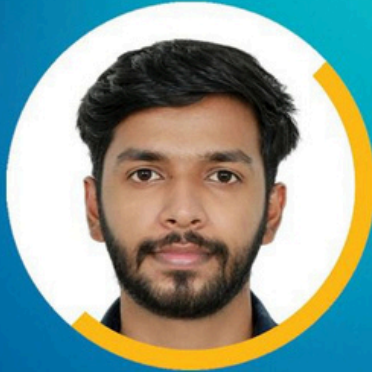
U S Pooja (S1 CE) secured Bronze Medal in Interzone women Karate championship .

# PLACED STUDENTS....

## ★CONGRATULATIONS★

PLACED AT

**experion**  
technologies



AMAL E A  
CSE



MOHAMMED RASNAL  
CSE

PLACED AT

**hotpack**



ANANDLAL P M  
ME



AMAL VENUGOPAL  
EEE



SAGAR  
EEE



AKASH M M  
EEE