NOVEMBER 2021 | ISSUE 2

UNISPARK

Newsletter

Universal Engineering College
Approved by AICTE, Affiliated to APJ Abdul Kalam Technological University
Thrissur - 680 123, Kerala, Ph: +91 480 2864177, Email: info@uec.ac.in, www.uec.ac.in

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

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

TAKE A LOOK AT WHAT'S INSIDE:

Message - Principal
IBPMS Training
Add-on Courses
Cheers from Peers
Webinars
Logo Release
Farewell Party
Literary & Debate Club
Kerala Mapathon
Digital Library Platform
IEDC
Induction Program
NSS
Sports
Faculty Achievements
First Semester Toppers
Placed Students

Dr. Jose k Jacob
Principal

Message - Principal

What is the difference between the President of the United States of America and an ordinary citizen of America? What is the difference between Elon Musk and a regular employee in his company? Of course, the former in each case occupies a higher hierarchical position in their field. Their decisions have a broad reach and bring about a significant change in the community or organization. However, the daily routines of these leaders do not differ much from those of ordinary humans: they wake up, complete their morning routines, have breakfast, welcome visitors, work in the office, do some physical exercises, pray, and sleep.

What then makes the difference? It could have to do with the **exergy of life**. According to thermodynamics, exergy is a measure of energy quality, stating the maximum work that can be extracted from a system. From a thermodynamic point of view, exergy is the counterpart of entropy and provides an answer to how much useful work we can get from the energy available from an energy source. The unavailable portion of energy that can't be converted into any useful work is known as **anergy.**

So, **Energy = Exergy + anergy**

The concept of exergy extends beyond the limits of thermodynamics in many aspects of our everyday life, as it is linked to opportunities for creation, progress, and the ability to maximize our potential. Before entering an activity, we usually wonder how well we can do it, and upon finishing, we again wonder about what we did and what we didn't from that which could have been done. We are used to saying that "**much could have been done, but the conditions did not allow it**". When the opposite happens, we say that "**conditions were excellent and favoured the activities, so everything went well**". Those simple observations from everyday experiences are clear examples highlighting exergy expressions beyond thermodynamics.

Loss of efficiency is the lost opportunity to do something useful.

A certain amount of effort in life will be lost, which can not be reversed. It includes the time and energy spent on daily routines of life, like physical or mental fitness, night's sleep etc. It can be interpreted as anergy. But the amount of energy lost due to laziness, reluctance etc., will reduce exergy. After a day of hard work without producing the expected result is meaningless. At times **smart work** will be the right choice, while in another case, **hard work** will be the right choice. **Everyone will have different capacities, find out your exergy and try to utilize it fully.**

Following are some tips to enhance the exergy of ordinary lives:

- Start the day with a perfect positive attitude.
- Start your day with your personal source of energy like prayer, yoga, etc.
- Make the best use of time.
- Organize the works.
- Set up the right priorities.
- Invest time daily to do something new.

Make the most of life's energy by reducing the most of anergy component and enhancing exergy!

UEC Managing Committee Team

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. Mohmmed, 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

Mr. Francis P A, Head of the Department, Mechanical Engineering

Ms. Bindumol V G, Head of the Department, Civil Engineering

Ms. Remya V R, Head of the Department, Electrical & Electronics Engineering

Ms. Rekha M, Head of the Department, Electronics & Communication Engineering

ADD-ON COURSES

Embedded systems and IoT

Add- on course on Embedded systems and IoT organized by department of **Electronics and Communication Engineering** and **Electrical & Electronics Engineering** in association with Department Centre for Skill Enhancement and Employability Development (CSEED) from 01/11/2021 to 02/11/2021. The resource Person for the Add on course was Mr. Akshay Ravi, CSEED.

PICCOLO Microcontroller

Add- on course on PICCOLO Microcontroller organized by department of **Electronics and Communication Engineering** in association with Adjunct Information Route from 22/11/2021 to 02/12/2021.The course is conducted by MC technologies, Thrissur. The course offers Introduction to microcontrollers, GPIO & AIO, Interrupt, Timer, comparators, ADC & ADC interrupt, PWM & PWM interrupt, SCI & SCI Interrupt, I2C & I2C interrupt, SPI & SPI interrupt. Mode of class is online

IBPMS TRAINING

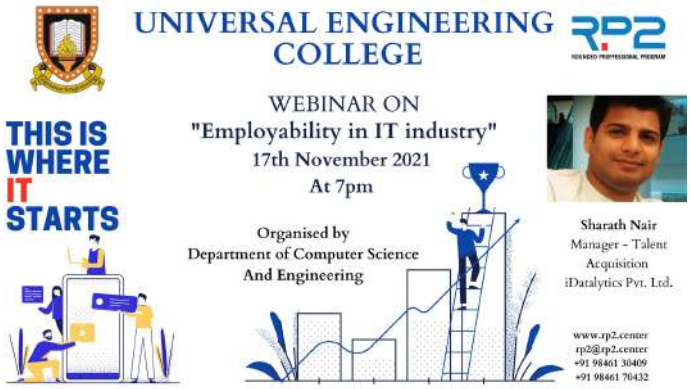
IBPMS training was organised by CESA, Department of Civil Engineering in association with LENSFED has conducted a two days hands on training programme on 11/11/2021 and 12/11/2021. The IBPMS training was officially inaugurated by Dr. Jose K. Jacob (Principal UEC) in the presence of Mrs. Bindumol V. G (HOD Civil Engineering Department), Mr. Sajan Jose (AP, Dept of CE, UEC) and LENSFED members. Training programme was conducted by Mr. Sajan Jose supported by LENSFED faculties. Around 100 licensed Civil Engineers from various firms took advantages from the training. Furthermore, LENSFED will be associating in the placements, internship and training for our Civil Engineering students.

ANYONE WHO HAS EVER MADE A MISTAKE HAS NEVER TRIED ANYTHING NEW - ALBERT EINSTEIN

CHEERS FROM PEERS

CESA conducted an event to appreciate ktu rank holders and the faculties who are the reason behind best results. It was held on 22nd November at 3 pm. The program began with prayer. Thereafter Ayisha Habeeb of S5 greeted the gathering . The HOD of civil department Bindu mol V. G carried out presidential addresses and the principal executed inaugural address for that event thereby entered to the foremost part of that program which was price distribution, from S5 four of them Shahana, shabana, Asha, Jyothika were awarded with a trophy for achieving 10 sgpa in S1 then from S3 the price shared between 2 students Afna P Raphy, Niranjana and from S5 Anfeena Anvar they are awarded with a price for their magnificent results in university exam also the faculties who are the reason to acquire best results in their subjects were awarded too. After the price distribution Bindu Mol V. G declared a team of students from each class as new executive members for CESA. Krishna MM staff coordinator of CESA conveyed vote of thanks.As the request from audience and faculties, Krishna Prasad sir made the program spirited with his songs. The event wind up with the tremendous performance of jagal Krishna and songs of a few students.

WEBINARS



Department of **Computer Science and Engineering,** Universal Engineering College conducted a Webinar on "Employability in IT Industry " on 17 November 2021 at 7.00pm. Mr. Sharath Nair, Manager - Talent Acquisition iDatalytics Pvt. Ltd., handled the session.

Department of **Electrical and Electronics Engineering** of Universal Engineering College Vallivattom conducted a Webinar on "Introduction to LaTex " on 28 November 2021 at 10.00am. Mr.Saneesh P S, Certified Microsoft Innovative Educator, System Administrator in Public Sector, handled the session.

A WINNER IS A DREAMER WHO NEVER GIVES UP - NELSON MANDELA

LOGO RELEASE

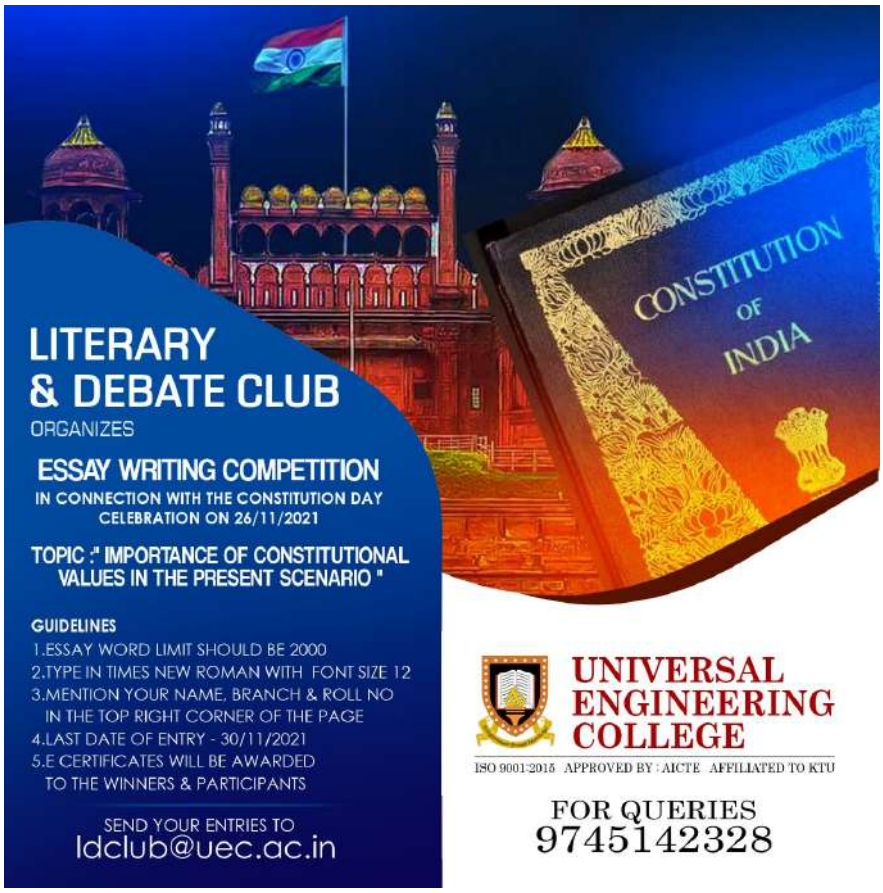
Department of Computer science and Engineering, Universal Engineering College has conducted a logo release ceremony of CSE association on 29/11/2021.Dr Sreeraj R, Head of Department, delivered the presidential address followed by Dr Jose K Jacob, Principal inaugurated the ceremony with inaugral address and also released the new logo of association- Regal association of computer engineers(RACE).After the inaugural address presentation about flutter was taken by Mr. Maxen Varghese student, S5 Cse and was concluded by vote of thanks.

FAREWELL PARTY

Farewell party for ECE 2017-21 Batch was organized in the Seminar hall 'A' block on 30.11.21 (Tuesday) at 10:00 a.m. The programme begins with prayer by Ankitha and Sinta. Ms. Chelsy Joy, Assistant Professor ECE welcomed the gathering. Dr. Jose K Jacob, Principal delivers the key note address. All HoDs wished good luck to the outgoing students for their future. Ms. Sherbin, S7 ECE proposed the vote of thanks. Tutors and students shared their beautiful memories at UEC. The programme concluded after the culteral events by ECE students.

THE WAY TO GET STARTED IS TO QUIT TALKING AND BEGIN DOING. -WALT DISNEY

LITERARY & DEBATE CLUB

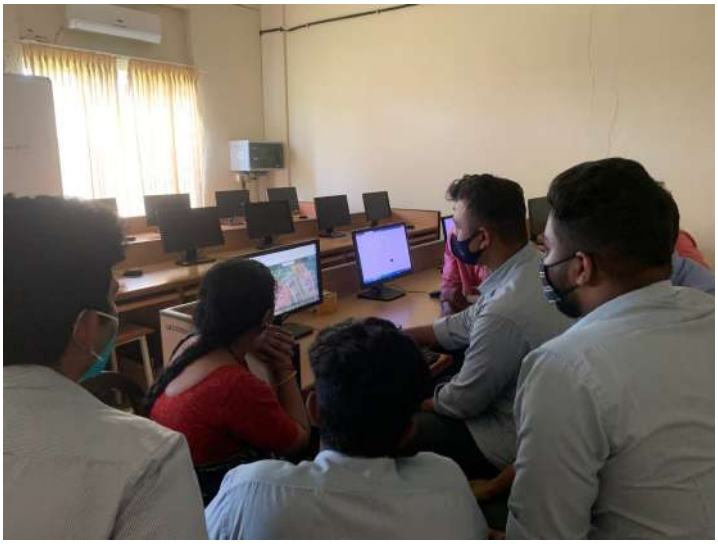


Literary & Debate Club organised an Essay writing competition in connection with the Constitution Day celebration held on 26th November 2021. Topic: "Importance of Constitutional values in the present scenario", mode of conduct of the event was online and the last date of the entry was 30/11/2021. From the 62 participants, **Ms. Sulthana M.N**(S5 CSE) got first prize, the second prize is awarded to **Mr. Faheem Abdullah** (S3 CSE) and the third prize is awarded to **Stieo Varghese** (S3 ME). As an appreciation E Certificates awarded to all the Winners and participants.

The handovering of plan and estimate for the proposed building of Poomangalam grama panchayat to the President. As per the request of poomangalam grama panchayat, Universal Civil Consultancy has taken over the work.The plan and estimate was prepared by the students of S7 Civil Engineering - Midesh, Abhiram Anilkumar, Krishnapriya K S and Haya P M, under the guidance of Mr. Krishnaprasad M, Assistant Professor, Dept of Civil Engineering .The function was overwhelmed with the presence of Principal Dr. Jose K Jacob, Ms. Bindumol V G, Hod civil engineering department, Mr. Sajan Jose,Assistant Professor Civil engineering department and officials from the Panchayat.

KERALA MAPATHON

As a part of Kerala Mapathon a team of 10 students from S3 S5 and S7 Civil Department is formed. Proper training was given to the students on PoI mapper android app and open street map on 22/11/2021. Ward wise initial data collection regarding the project are carrying on. The field work started from 23/11/2021 onwards based on the data provided by the ward councillors.

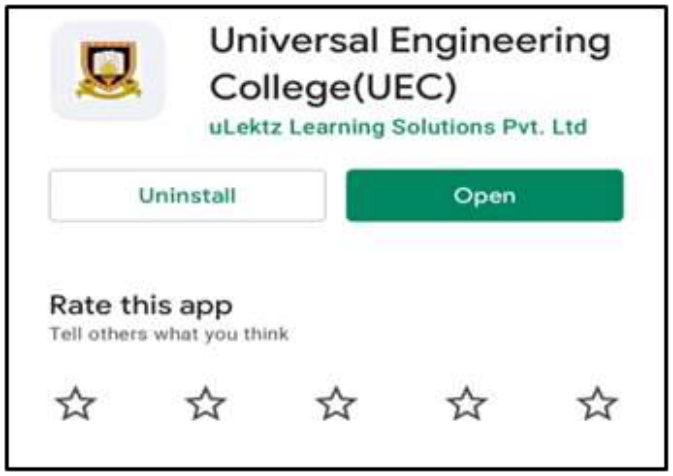


IN THE END, IT'S NOT THE YEARS IN YOUR LIFE THAT COUNT. IT'S THE LIFE IN YOUR YEARS. -ABRAHAM LINCOLN

DIGITAL LIBRARY PLATFORM

Web-based Platform with a supporting UEC Android Mobile App was implemented in Universal Engineering College with the help of uLektz Learning Solutions Private Limited.

Key features include digital records of students and staffs, alumni and industry connect, digital library, online skill courses educational events, online tests communication and collaboration internships and jobs. This platform can be accessed from Desktop, Laptop, Tablets, Smartphones, iPhone and iPad using Web browser.



It provides improved institutional outcomes, ensure success for every student, showcase their thought leadership and enable success for our institution. It also helps the college to score higher CGPA in NAAC and stay aligned with the recommendation of NEP, UGC, and AICTE. Online tests help students practice and prepare for various competitive exams, entrance exams, placement exams, etc. through online preparatory and mock tests.

IEDC

Febin Raju Assistant Professor Electrical and Electronics Engineering, Chinju Poulose Assistant Professor Computer Science and Engineering and 20 Students from Universal Engineering College attended the Session on **Innovation Development** hosted by IEDC Sahrdaya on 24th Nov 2021. The program was organised for innovators from various colleges as a part of **Kerala Innovators' Technology Expo (KITE) 2021** organised by **Kerala Startup Mission**, in association with **APJ Abdul Kalam Technological University**.

GO CONFIDENTLY IN THE DIRECTION OF YOUR DREAMS! LIVE THE LIFE YOU'VE IMAGINED - HENRY DAVID THOREAU

INDUCTION PROGRAM

Three weeks induction program is conducted for newly admitted students. Due to restriction of Covid–19 pandemic, initially online classes were provided during the last week of October. Subject orientation of the Mathematics, Chemistry, and English were the highlights of online classes.

The offline induction program began on November 8 th , 2021. Students were divided into two batches. Batch A had around 127 students and Batch B had 88 students. Batch A had classes on first two days (Monday and Tuesday). After that Batch B had class on the other days (Wednesday and Thursday). On these days both batches had various interesting activities aimed to boost their self-esteem and self-confidence. Also, exposures were provided on Entrepreneurship development.

For personalized and direct communication, the second week's orientation of the students is conducted by the respective department. Orientation program was aimed to enhance students' familiarity with the lab equipments, faculties, Universal Campus (Infrastructure) and developing their practical knowledge.

Two weeks orientation program ended with a one-day cultural extravaganza “Aarambh 2k21”. A Talent’s Day was organized for the new entrant to exhibit their hidden potential. It was an extravaganza of creativity, artistic and cultural talents. Students participated in various events like dancing, singing, playing musical instruments etc. The performances were amazing as well as entertaining.

Aarambh 2K21
CULTURAL
EXTRAVAGANZA
20.11.2021 @ UEC Auditorium

Aarambh

ENGINEERING COLLEGE
Aarambh
CULTURAL
EXTRAVAGANZA
20.11.2021 @ UEC Auditoriur.

NSS

NSS Unit of Universal Engineering College conducted campus cleaning programme in connection with Swatch Bahart Abhiyan on 27 November 2021

Vellangallur Block Panchayat entrusted the responsibility of conducting Grameen Suchitwa Survey to NSS unit of Universal Engineering College. Also college extended technical support to start up initiative by vellangallur block panchayat

SPORTS

In connection with college games & sports activities , Physical Education department started to practicing the students for various games such as football, volleyball, cricket, kabaddi, handball etc... at the college ground from 25 November 2021 onwards. This was led by the Head of Physical Education department.

FACULTY ACHIEVEMENTS

Faculty members who achieved 100% result in KTU S1 B.Tech Examination

Kannan K N - Basics of Mechanical and Civil Engineering(S1 EC)

Sajan Jose - Basics of Mechanical and Civil Engineering(S1 EC)

Athira N R - Life skills.

Faculty members who achieved 100% result in KTU S1 M.Tech Examination
Structural Engineering(CE)

Anima P - Structural Dynamics

Lakshmi Priya - Advanced Design of Concrete Structures

Minisha TM - Advanced Foundation Engineering

Varsha C Paul - Research Methodology

Rahul Ravi - Mathematical Methods in Structural Engineering

Amrita E K- Theory of Elasticity(93.75% one student absent due to medical reasons)

Faculty members who achieved 100% result in KTU S1 M.Tech Examination

Thermal Engineering(ME)

Arjun MS - Advance Thermodynamics and Combustion

Jaison- Advanced Fluid Mechanics

Nithin V K -Research Methodology

Texo Jose- Advanced Heat and Mass Transfer

BEST PAPER AWARD

Nitha C Velayudhan, Assistant Professor of Computer Science department has got Best Paper award for "A Bat Gravitational Search Neural Network Classifier for the Classification of Multiple Threads in Vehicular Adhoc Networks" in International Conference on Advances in Computer Engineering & Communication Technology (ICACET - 2021)

FIRST SEMESTER TOPPERS 2021

Vallivattom P O.,Mathilakam-Vellangallur Road, Thrissur, Kerala

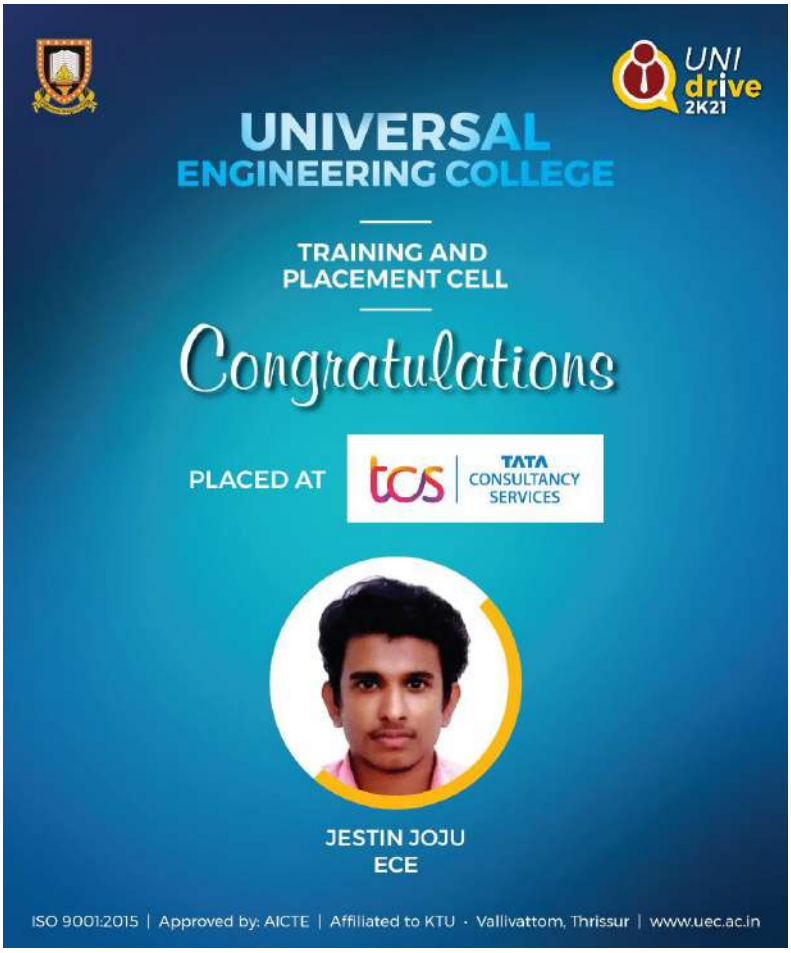
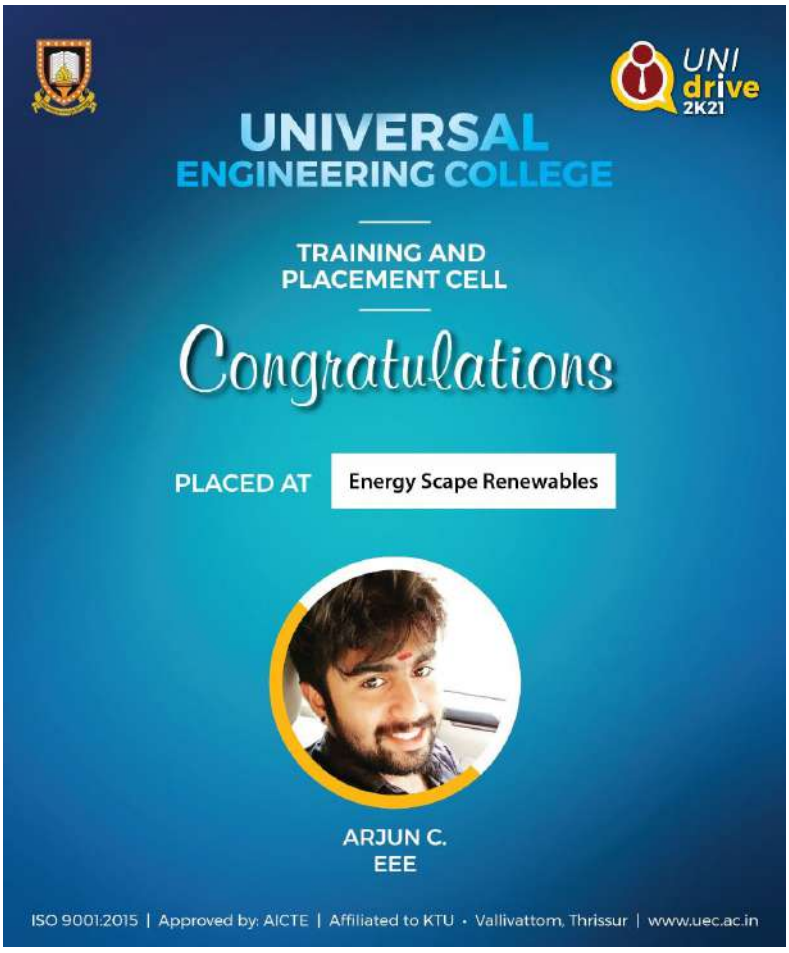
Vallivattom P O.,Mathilakam-Vellangallur Road, Thrissur, Kerala

FIRST SEMESTER TOPPERS 2021

Vallivattom P O.,Mathilakam-Vellangallur Road, Thrissur, Kerala

Vallivattom P O.,Mathilakam-Vellangallur Road, Thrissur, Kerala

FIRST SEMESTER TOPPERS 2021

PLACED STUDENTS....

PLACED STUDENTS....