

#### 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.

### This issue:

Message - Chairman Message - Principal NSS **Seminars Expert interaction** Workshop Literary & Debate Club Science Wizard 4.0 Alumini Meeting IEDC ASAP **Technical Talk** Iwala Encon Club Dance Club **Faculty Achievements Student Achievements University Toppers** 



#### Message - Chairman

"Ambition is the path to success. Persistence is the vehicle you arrive in". Bill Bradley

In today's fast-paced world, staying focused and persistent towards achieving our goals can be challenging. The constant distractions and competing priorities can often lead us astray from our objectives. However, the power of focus and persistence is undeniable, and those who master these skills can achieve incredible success in life.

Focus is concentrating our mental and physical resources on a task or goal. It requires discipline, self-control, and the ability to shut out distractions and prioritize our objectives. When we focus on a particular goal, we can channel all of our energy towards achieving it, which increases our chances of success.

Conversely, persistence is the ability to keep going even when the going gets tough. It involves tenacity and resilience in the face of obstacles and setbacks. When we are persistent, we continue to work towards our goals even when we face challenges, setbacks, and failures.

Dear Staff and students, the power of focus and persistence lies in their ability to work together. We can achieve incredible things when we focus on a specific goal and persist in pursuing it. We can overcome obstacles and challenges and achieve results that might have seemed impossible at first.



#### **Message - Principal**

"Focus on your strengths instead of your weaknesses, on your powers instead of your problems." – Paul Meyers

It's common for people to focus on their weaknesses and try to overcome them, often in an effort to become well-rounded individuals. However, a better approach is to focus on your strengths and leverage them to achieve your goals. When you focus on your strengths, you're not only more likely to succeed, but you're also more likely to enjoy what you're doing. You're doing something you're good at and enjoy, which is a recipe for success and happiness.

You can use your strengths to your advantage personally and professionally. Focusing on your weaknesses, on the other hand, can be a frustrating and time-consuming process. It's important to recognize your limitations, but trying to set them right can be a waste of time and energy. Instead, accepting them and focusing on what you do well is better.Your strengths are what give you confidence. When you know that you're good at something, it can give you the confidence you need to tackle new challenges. Focusing on your strengths can help you build your self-esteem and self-confidence. When you're doing something you're good at, you'll be more productive and efficient. You'll be able to complete tasks more quickly and with less stress, which can help you achieve more in less time.

Of course, it's still important to be aware of your weaknesses and improve in those areas where necessary. However, the key is to focus on your strengths and leverage them to achieve your goals. This doesn't mean you should ignore your weaknesses or stop learning and growing. It means you should prioritize your strengths and use them to your advantage.

### **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. 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

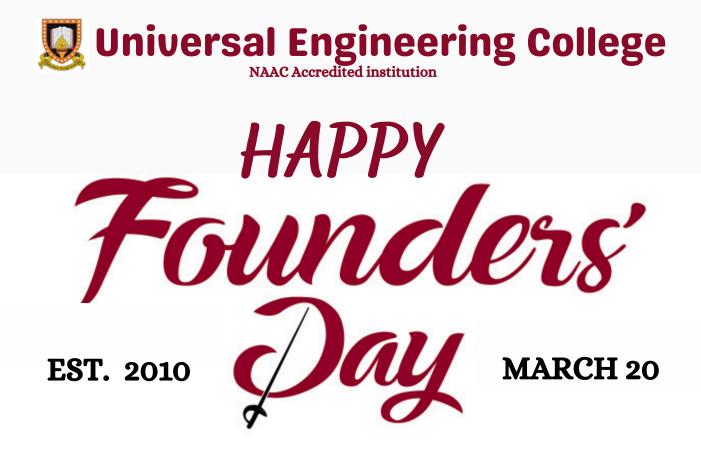
Dr. Sreeraj R, Head of the Department, Computer Science & Engineering

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  $\mathscr{C}$ Communication Engineering



### **Literary & Debate Club**



In connection with the 74th Republic Day celebration, Literary & Debate Club organised various programmes. Our college's various programs in relation to Republic day are Thermocol Model Competitions-Monuments in India, Patriotic Song, Patriotic Dance, Rangoli Competition, and Speech – Your Favourite Freedom Fighter. The main attraction of Republic Day celebrations is singing a patriotic song, a speech on freedom fighters, and a patriotic dance on the republic day theme by students.



#### SEMINAR ON PUBLICATION OF TECHNICAL PAPER

9 TH FEBRUARY 2023 UEC B BLOCK SEMINAR HALL

SPEAKER DR. HARINARAYAN N.H



#### **SEMINAR**

On February 9, 2023, Dr. Harinarayan, Professor in the Department of Civil Engineering at Universal Engineering College, conducted a seminar on the Publication of Technical Papers. The seminar covered essential aspects of writing, submitting, and publishing research papers in technical journals. Dr. Harinarayan's insights provided students with a thorough understanding of the publication process, including tips for effective writing, peer review, and overcoming common challenges

#### FDP



The Department of Mechanical Engineering has successfully completed Five Day KTU Sponsored FDP on "Computational Fluid Dynamics using OpenFOAM".









#### WORKSHOP

TechnoCAD Club of Mechanical Engineering Department, Universal Enginering College in association with CSR-CFD, Universal Engineering College conducted a workshop on "CFD – Computational Fluid Dynamics on 9 February 2023 at 9.00 am. The workshop was conducted especially for S8 ME students of the department; to create awareness about the Computational Fluid Dynamics and the software like Openfoam and Ansys. Mr. Antonio Joseph, Assistant Professor ME, Universal Engineering College, Thrissur and Mr. Hridesh S, Assistant Professor ME, Universal Engineering College, Thrissur, handled the technical sessions;



## **NSS CAMP**

NSS unit 590 of Universal engineering college conducted a 7 day camp named PUNARJANI from 03-02-2023 to 09-02-2023 at vellangallur block panchayath hall. The inauguration program of the camp started on 03-02-2023 at 4:00 pm with a prayer by Anamika TB (NSS volunteer). The welcome speech was done by Mrs Anupama Jinan ( program officer). Then the camp was officially Inaugrated by panchayath block president Mrs Vijayalakshmi by flag hoisting. Dr Jose K Jacob , principal of Universal engineering college delivered a speech about importance of NSS camp. Felicitation was done by Mr Suresh Ammanath , Mrs Rama Rakhavan, Mr Shamsudheen Velutheri, Mrs varsha praveen, Mrs Tessi joy kodiyan, Mrs Asmabi Latheef, Mr rajesh ashokan. Then with a vote of thanks by shabana ( NSS volunteer secretary) inuagration program was completed.

Day 1 : The whole group was equally divided into groups Dhvani, Sevana. 5 ( Shrishti,Thusharam,Dhyuthi) Each team was assigned with respective duties. Later the 🋲 block panchayath surrounding was cleaned. 🖉 Then Program committee conducted programs including different types of games like ice breaking challenge.

**Day 2 :** The program of the second day was started by 6.00 am .A yoga section and exercise section was started at 6.00 am.An assembly was conducted at 6.30 am. As a part of cancer day a speech was delivered by program officer Anupama Jinan. An orientation class was conducted at 10.00 to 12.00 pm. The class was based on the importance of National Service Scheme. The orientation class was lead by Ajeesh sir. After the class different types of waste materials are collected from the nearby houses as a part of swapnakood project. The waste materials are collected by the volunteers. After lunch a cancer awareness program was conducted at Alpha palliative care unit, Vellangallur. On that event a song was sing by Anoop who was a fighter of cancer and he shares his experience and he explain how he fight against cancer. Speech was delivered by



Palliative care coordinators Mr shafeer ,Mr Abdul shakoor and Meharuba. After that program directions needed for the palliative care survey and sasneham survey was give by Lenin sir. The cultural program of that day was started by 6.30 pm. After the program camp evaluation of that day was arranged.

**Day 3:** The third day of camp was started with exercise at 6 Am. After that NSS volunteers gathered together for an assembly at 7 Am . As a part of a project all volunteers cleaned a house and it's surrounding from 9 Am. At 12 Pm , NSS volunteers engaged in an orientation class about election and it's importance. Which is lead by Suhail sir. After a small lunch break another orientation class about blood donation was conducted , which is

lead by Shakthi Trissur - Palakkad regional coordinator of rudhirasena and nss volunteer of Vidya engineering college at 2Pm.After that gone for a scrap collection as a part of project SWAPNAKOODU till 4Pm. Volunteers collected scrap from every houses. Thre was one more orientation class about energy cell and importance of energy conservation. The class was taken by Jesto , Thrissur – Palakkad regional coordinator of energy cell and nss volunteer of Vidya engineering College till 5:30Pm. Cultural program started from 6:30 Pm. It was a refreshing session . After a feedback session was done.

**Day 4:** The fourth day of camp was started with an assembly. After the assembly a yoga session was handled by the NSS volunteer Krishna Priya A. Paliative care survey was started at 9:30 a.m. which is conducted by NSS volunteers based the directions by kudumbashree members and ward member.

The whole volunteers are divided into two groups and successfully completed around 360 houses within 1:30 p.m. The equipments which are useful for paliative care where collected from houses. After lunch an orientation class based on the importance of paliative care. The class was handled by Sandhya mam, Nurse of poomangalam gramapanchayath. After that scrap was collected by Nss volunteers as a part of 'swapnakoodu' project after a team break. Another orientation class was conducted, which is lead by sreedharan sir, secretary inspire india. The cultural program was started at 7.00 pm. That was amazingly arranged by programing committee. Also a camp feedback session was followed by that.

Day 5: The fifth day of camp was started with assembly at 6.00 am. A zumba section was handled the NSS volunteer Terry by Francis after manavageetham. Newspaper and report presentations was done by the team Thusharam. After the breakfast, NSS volunteers cleaned the surroundings and created a vegetable garden in front of block panchayath. The first sapling was planted by the Program officer Anupama Jinan and Assistant program officer Rahul Ravi. After that whole volunteers are divided in to groups and successfully completed the 'Susneham' project by

surveying around 300 houses within 12.30 pm. Susneham is a project to improve the nutrient level of kids by giving them cashew nuts, dates and almond with the help of people in the surroundings. An orientation class was taken by the fire rescue team. It was lead by Ullas sir, Vishnu sir and Binuraj sir. They gave knowledge about using fire extinguisher and first aid tips on choking situations. Since it was an interactive session, NSS volunteers got a chance to practice CPR, first aids on choking and using fire extinguishers.



NSSvolunteers conducted a house renovation program on that day. Cleaning, painting and all the works required for renovation were done by the volunteers itself. It was a new experience for the whole volunteers. Through this project, volunteers got a chance to interact with the community. Cultural programs were started at 7.00 pm

**Day 6** :The sixth day of camp was started with assembly at 6am .A warmup excercise section was handled by the nss volunteer Anamika Gireesh.Newspaper and report presentation was done by the team Dhwani.After the breakfast Nss volunteers clean the surroundings of block panchayat.At 9 am nss volunteers visited faisal's home and contributed a watertank to his house .After that project, volunteers went for the completion of the renovation work which start on 5/2/23.Lunch break started at 1:30 pm. An orientation class was conducted about Nss which is held by Anupama Jinan ,Nss program officer uec .After tea break all the volunteers started the collection of scraps from nearby houses,as a part of swapnakoodu project.cultural programs was started at 7:00pm and all the nss volunteers actively participated in it.

Day 7 : .The 7 th day of camp was started by exercise.An assembly was conducted at 6:30 am by the team

"sevana".Nss program officer anupama Jinan and some volunteers shared their camp experiences .after breakfast volunteers engaged in house renovation activities. The valedictory function started at 2:00pm with manavageetham ,and welcome speech was done by mr.rahul Ravi(APO),Then the program was officially inaugurated by Vijayalakshmi (block panchayath president ). Principal address was delivered by Dr.jose k Jacob (principal)



On that day, as part of the Swapnakoot project, handed over the money from the scrap sale to thethe NSS volunteer secretary .And also The paliative care essentias collected by the NSS volunteers from houses were handed over to the Panchayath.Camp evaluation was done by the program officer Mrs.Anupama Jinan.Then the program was concluded with the vote of thanks by Havas (NSS volunteer).

# Science Wizard 4.0



The grand finale of the Science Wizard Talent Hunt Examination organized for Plus Two (Science), VHSE, Technical Student for finding Talent Search was held on Febryary 11 at Universal Engineering College in association with Malayala Manorama. School toppers from various school were selected from preliminary exam conducted at the respective school.



They were the finalist in the grand finale, also they got one year subscription for The week magazine and Tell me why. Mr. V R Sunil Kumar MLA was the chief guest of the program. The chief guest distributed the prizes to the winners. In this event we also honored best teacher in Physics, Mathematics, Chemistry, Biology and Language state-wide.

### **Sreshta Acharya Award Winners**

- 1.Seema K A(HDPSHSS Edathirinji) Chemistry
- 2.Sajith V B (CHSS Chendrapinni). \_ Mathematics
- 3.Beena Andrews (GHSS Agali) Botany
- 4.Antony Thomas (St.joseph Mathilakam)- Computer Science
- 5.Subaidhakathoon M V (WOHDS Pinangode). Physics
- 6. Prakas Babu P A (GVHSS Ayyanthole)- Language



240 students from various schools attended the grand finale and 100 students from Wayanad and Palakkad attended the same via online mode.

### Sreshta Sikshya Award Winners



### **1st Prize**

**Pratyush Nair S**hantiniketan public school Irinjalakuda

### **2nd Prize**

**Midhun Nair** GHSS Nandhikara

### **3rd Prize**

**Muhammed sha T N** MES HSS Sreenarayanapuram



## **ASAP Placement Training**



3 days ASAP placement training conducted for final year CSE & ECE students. The facilitators were Ms. Asha Muhammed Khan, Ms. Sruthy K S and Ms.Pinkey Antony, ASAP trainers. The sessions focussed on personal grooming and interview skills.



### **Connect Career to Campus**

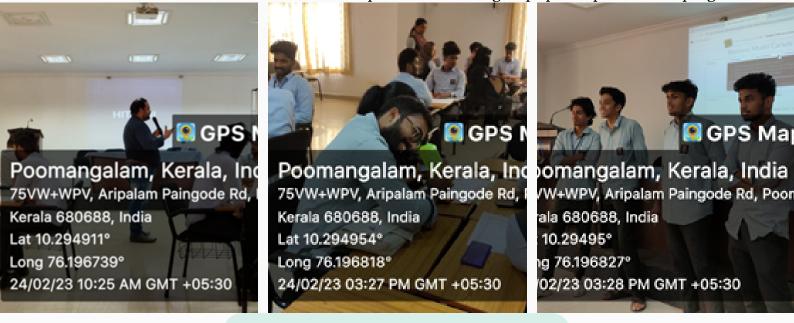
Connect Career to Campus, placement training organised by ASAP and Training & Placement Cell,UEC was conducted on 13-02-2023 for our final year students. Phase 1: orientation is completed successfully. 171 students in total attended the program.



**FEBRUARY 2023** 



The resource person for the workshop was Mr. Geo Jacob and Mr. Antonio Joseph. The workshop was continuation to the Aspirea boot camp that we had conducted in the previous semester. Mr. Geo Jacob briefer about the realities that one will be facing while starting a company or a business. Mr. Antonio Joseph explained all the fields in the business model canvas and later on students were asked to prepare their own canvas for their business/startup ideas. During the afternoon session, each group had presented their own business models and discussions were made based on their presentations. 12 groups participated in the program.



## **Technical Talk**

A Technical Talk on "Recent Technologies In Water Treatment" was conducted by SRISHTI Tech Club, on 27 th February, 2023 at 11:00 am at B 204, CE Dept. The session started with welcome speech by Ms. Chithira Krishnakumar (AP & amp; Staff Coordinator of SRISHTI Tech Club). DR. Harinarayan N H delivered the HODs Address. The session was followed by the Techinal talk lead by the students of Third Year Civil engineering students. Student Speakers: **Ms. Amritha P Wilson, Mr. Jibin Wilson, Ms. K G Dhana** The talk gave basic ideas on safety precaution that has to be taken in construction field to the students.



## **Alumini Meeting**



The Mechanical Department organized an Alumini Meeting on 16/02/2023 in online mode. The meeting was attended by distinguished alumni, including Rames Abdul Nazar, a project engineer at Sparrow Group and a member of the 2014–18 batch; Muhammad Mirza, operations engineer at DEWA, government of Dubai, and a member of the 2013–17 batch; and Geethu Unnikrishnan, application engineer at KSB Mill Ltd and a member of the 2017–21 batch. The meeting provided a platform for the alumni to come together, share their experiences, and offer insights and advice to current students of the department. ,Dr José k Jacob, Principal, inaugurated the meeting. Dr. Premsankar, Head of the mechanical department, gave an inspired speech. The meeting included presentations by the alumni, who shared their experiences and insights with the participants. The meeting was a success, providing an excellent opportunity for alumni to connect with and inspire current students in the department.



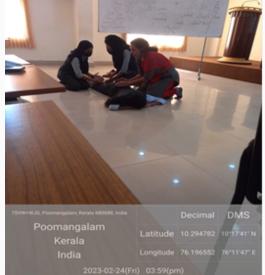
ISHRAE student chapter of Universal Engineering College has conducted a workshop on Chillers and Types on 21/02/2023 at UEC. The resource person was Mr. Syed Nazif, (Student Activity Chair of ISHRAE Kochi Chapter). Dr. Prem Sankar, HoD of Mechanical Engineer and Mr. Akhil Ramesh, Staff Coordinator of ISHRAE UEC were delivered the felicitation.

**FEBRUARY 2023** 



JWALA, Women Cell, UEC, successfully conducted a session on Stress Management Therapy at 3.00 pm on 24/02/2023. Students of various departments attended the session. Stress management techniques like deep breathing, meditation, exercise etc were discussed and hands-on training was also included in the session. Ms. Gayathri K K extended a gracious welcome to the gathering. Ms. Suprabha C C, Assistant Professor, Department of Applied Science and Humanities handled the session. Before the starting of the session the gathering was addressed by Dr. Nitha C Velayudhan, associate Professor, Department of CSE and Ms. Amritha E K, Associate Professor, Department of CE. A memento to the guest had been handed over by Ms. Bindumol V G, Convener, women cell.







### **Encon Club**



Encon club of UEC in association with Dept of Agriculture, Govt of Kerala 'Kerasamridhi' project was inagurated by Sri P I Mohamed Haris Asst Director Dept of Agriculture Vellangallur. Principal Dr Jose k Jacob delivered the presidential address. Welcome address was delivered by Sri K K AbdulRazak coordinator Encon club.Dr K K Narayanan HOD ASH delivered the Felicitation address.Mr Judin Xavier, Students Convenor Encon club presented a resolution on the topic of 'Kerala padyapadhathi'. Vote of thanks by Megha M R Students joint Convenor of Encon club.

**FEBRUARY 2023** 

### Seminar



ARMS Association with IEDC conducted an online seminar on intellectual property rights (IPRs) on February 27, 2023. The seminar was led by Dr. Prashant R. Nair, AMRITA TEC Fellow and Vice-Chairman of IQAC. The seminar covered various aspects of IPRs, including patents, trademarks, copyrights, and trade secrets. Participants gained a better understanding of the importance of IPRs in protecting innovation and creativity, and how they can be protected and enforced through legal means. Overall, the seminar was informative and engaging, and the participants had the opportunity to ask questions and engage in discussions with Dr. Prashant R. Nair

• **Department of Computer Science and Engineering**, Universal Engineering College conducted a Seminar on "An insight into open source technologies" and "Familiarizing Free and Open Source Software" for S6 and S4 Computer Science students respectively. Dr. Sreeraj R, HOD CSE handled the session.



As the part of Tech 4 All program organised by Cognizant Foundation in association with ICT Academy of Kerala, UEC selected for free certificate course "Networking" for our pre-final year girls students from circuit branches. The course is of 120 hrs duration (offline mode). ICTAK will also be offering placement support for the candidates who had successfully completed the course. The program got inaugurated on 27th February 2023 at 9:30 AM @ seminar hall B block. Successfully completed 30 hours in which 18 hours was soft skill training and 12 hours was technical session. Soft skill training was handled by Krishnaraj S, Master Trainer ICT Academy of Kerala and technical session was handled by Vishnu Vijoyan VS, Cyber Security Trainer ICT Academy of Kerala

**Denza crew** : the dance club of Universal Engineering College celebrated its first anniversary on 28/02/2023 at Seminar hall Block B. Ms. Gayathri K K(AP, ECE Denza crew co ordinator) welcomed the gathering. Dr. Jose K Jacob (Principal,UEC) started the celebrations by cutting the cake . HoDs ,faculty members and student members of various Department attended the function. There was dance performance of students. Ms. Dina Fathima(Student, S6 ECE) and Mr. Karthik lal(Student, S4 CSE) were elected as the new student co ordinators. Mr. Sanjay K S( Student, S8 EEE) delivered the Vote of Thanks.



### TECHNICAL TALK





## **Technical Talk**

On February 21, 2023, Ms. Chithira Krishnakumar, Assistant Professor in the Department of Civil Engineering at Universal Engineering College, delivered an insightful technical talk on Construction Management. The presentation focused on key principles and practices for effective management of construction projects, including planning, resource allocation, and risk management.

### **Expert Interaction**

An Expert interaction session organised for first year students of Draughtsperson Civil Works (DCW) at GVHSS Technical High School,Kodungallur in association with Institute Industry Interaction cell, Department of General Education on 15/02/2023, 2.00 to 3.30 pm. The session was handled by Mr.Sajan Jose (AP, Civil Department) on topic "Building rules and Byelaws"

## NSS



ISS 590, UEC along with Civil Engineering Students Association (CESA) conducted a one day special camp on rranging the parking space in Community Health Centre Vellangallur

### **FACULTY ACHIEVEMENTS**

**Dr. Sreeraj R, HOD CSE** selected as External expert of the PhD doctoral committee in computer Science and Engineering department at Karunya University, Coimbatore



**Dr. Sreeraj R, HOD CSE** was invited and acted as resource person for 5 days STTP on "Embedded systems, Scientific Computing and Digital Signal Processing", St Joseph's College of Engineering and Technology, Palai. held on 31-01-2023 to 04-02-2023

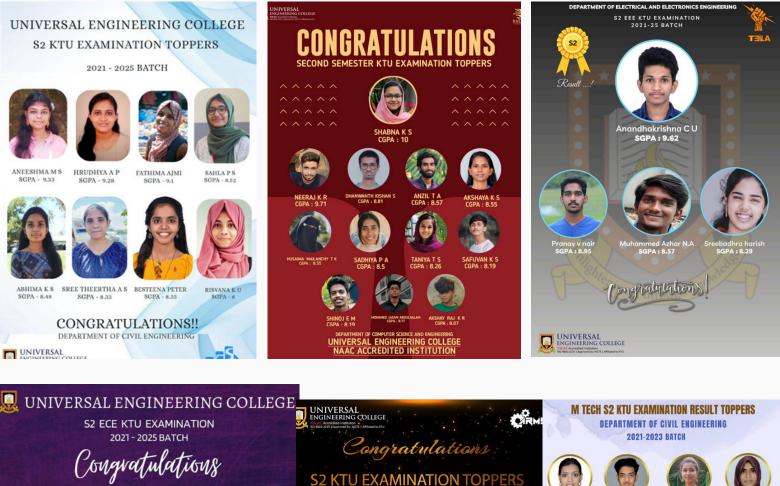
### **STUDENT ACHIEVEMENTS**



Akshay Sudheer from S8 civil department selected to university cricket team for the year 2023 held at REVA university at Bangalore

### **SECOND SEMESTER TOPPERS**

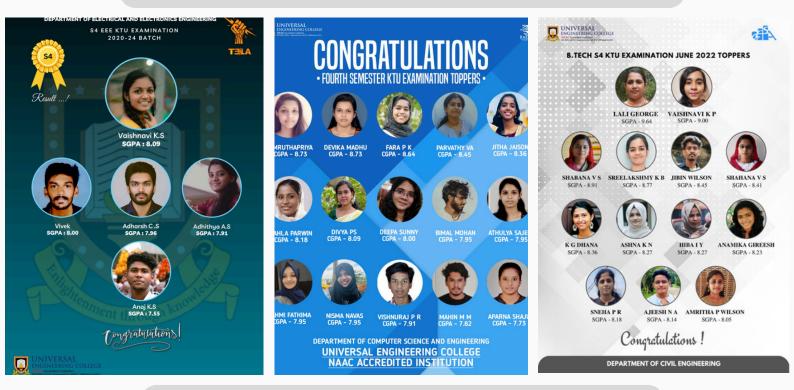






Congratulation

### **FOURTH SEMESTER TOPPERS**



### **SIXTH SEMESTER TOPPERS**

