



**VIDYA ACADEMY OF SCIENCE & TECHNOLOGY TECHNICAL CAMPUS**  
**Kilimanoor, Thiruvananthapuram**

**Accredited by NAAC with B++ Grade**

**“A Unit of Vidya International Charitable Trust”**

## **Wednesday News**

**Issue No: 146 1st May to 31st May ,2023**

- ❖ **EVENTS/TALKS/SEMINARS/CONFERENCES**
- ❖ **TECHNICAL FEST**
- ❖ **EPISTA 2K23**

“EPISTA 2K23”, Tech Fest was conducted by the Department of Electronics and Communication Engineering at VAST TC on **12<sup>th</sup> May 2023**. EPISTA 2K23 was a platform for the students to showcase their talents and skills in the area of their studies. Listed below are the major events conducted during the technical fest.

### **★ VR GAMING**

The students succeeded in providing an amazing experience of VR Gaming. A classroom was converted into a dark room with the effort of the students. Many faculties including principal and manager and students participated. This was one of the major attractions in the event. Sreenulal, S8 ECE and Subeen S, S8ECE were the coordinators of this event.



## ★ **CIRCUIT DEBUGGING AND CIRCUIT DESIGNING**

Vision - Giving an opportunity for the students to prove their circuit skills. The Electronics and Communication Engineering Department has organized a '**ELECTRO BLAST**', the circuit designing and circuit debugging competition on Tech Fest on 12/05/2023. The event was coordinated by Ms.Nimisha Jeevan, S8 ECE and Mr.Abhijith O, S8 ECE. The objective of this event was to give a basic idea of electronic basic circuits. Every bug in a circuit is unique and hence the best we can do is systematically approach the problem and try to find out the corner stone. The participants were given an incomplete circuit, they were required to figure out what the missing parts are and close the circuit.

## ★ **WORKSHOP ON CIRCUIT BOARD DESIGNING**

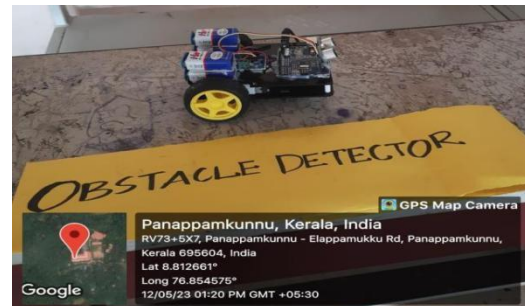
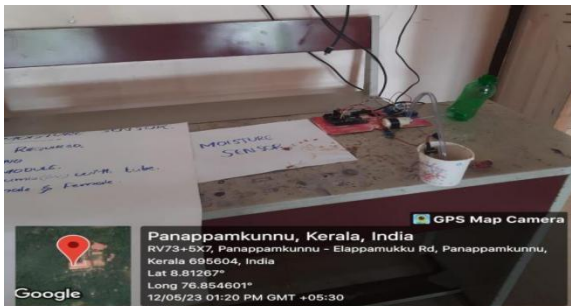
Vision – Giving an opportunity for the students to understand about the basics of circuit designing. The Department of Electronics and Communication Engineering has organized a workshop in association with MSIGMA GOKULAM on 'circuit board designing' on Techfest on 12/5/2023. The event was coordinated by Ms.Sainaba B F,S8 ECE and Mr. Jerin Joseph Sebastian, S8 ECE. The session was handled by Mr. Nijo Raj and Mr. Abhijith J P. The program was great success. Over 30 students participated.

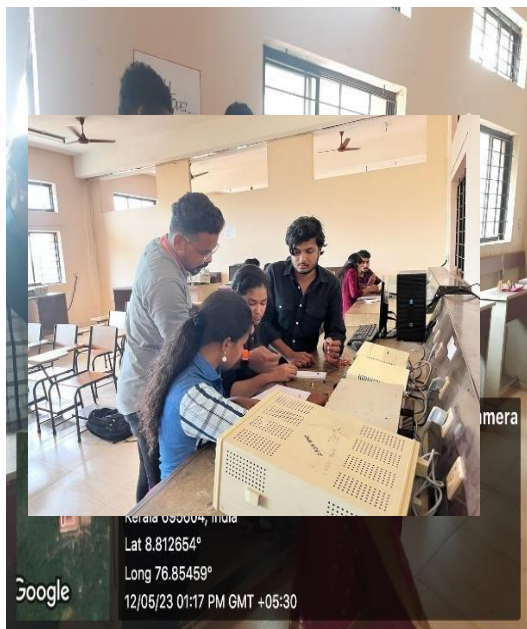
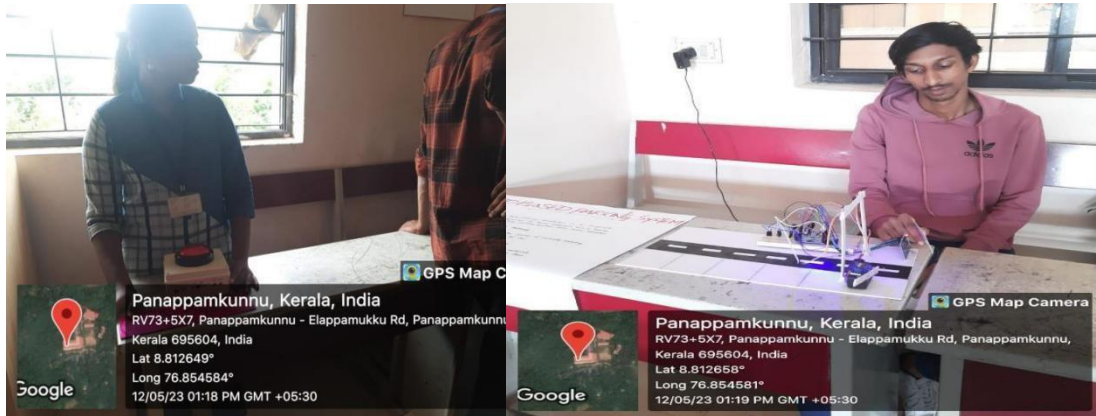




## ★ PROJECT EXPO

Vision - Giving an opportunity for the students to exhibit their technical intellect and creativity. Department of Electronics and Communication Engineering has organized a mini Project Exhibition on electronics-based project as part of Tech Fest on 12/05/2022. The objective of this event was to give basic idea of some projects to students and motivate them to solve and implement predefined practical problems. Through this, students developed attributes like team work, practical approach and was able to use their academic knowledge for practical purpose which will definitely help them in future. The event was coordinated by **Mojith M J, S8 ECE** and **Anu Samu, S6 ECE**. The projects included for this exhibition were **School bus monitoring system, water level monitoring system, clap switch, pov display, fire fighting robot, solarbots, obstscale detector robot.**





## ★ DRONE SHOW

As part of EPISTA 2K23, the department of Electronics and Communication Engineering organized a drone show by RotorSquad. The program was coordinated by Mr Ajaykrishna , S8 ECE and Mr. Gopan Ram,S6 ECE. The drone fest was arranged as two shows. One is at



11. 45 am and other is at 3.30 pm. So many students and faculty members were excitedly watched the show.



## ★ GAMES

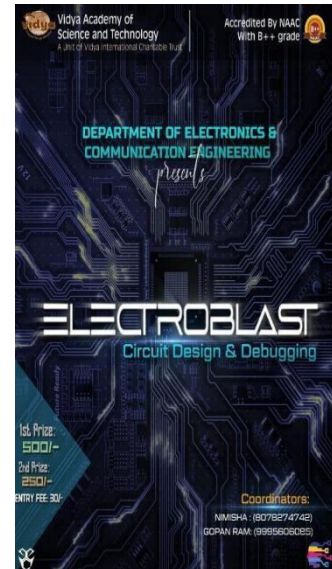
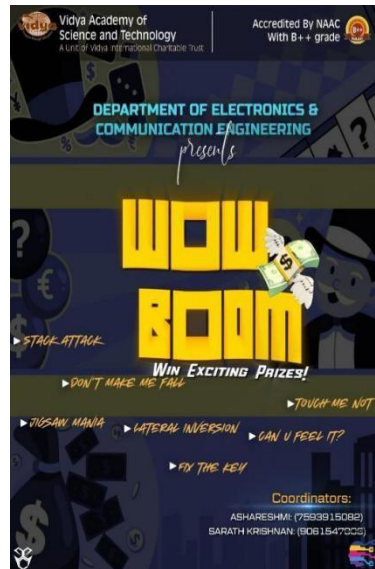
Vision - Giving an opportunity for the students to participate in the games. The Electronics and Communication Engineering Department has organized a gaming event “WOW BOOM” as part of tech fest EPISTA 2K23. The event were of different levels. Each level comprised of different games. The games were Jigsaw mania, touch me not, fix the key etc. So many students and faculties were participated. The event was coordinated by Sarath krishnan, S8 ECE and Amina S, S8 ECE.



## ★ TREASURE HUNT

As the part of Tech fest 2023, Hajira Beegum S and Ajith V, the students of S8 ECE conducted a treasure hunt program “Hunt N’ Roll”.

## Tech fest posters



## ★ LIVIC 2K 23

Department of Civil Engineering conducted their Techfest LIVIC 2K23 in association with RACE 2k23 on 12<sup>th</sup> May. Department Techfest coordinators were Ms. Keerthi Devi I S (Asst.Prof -CE), Mr. Lenin Babu (Asst. Prof – CE). Techfest provides a platform for students to showcase one's unique talents and are important in the holistic development of the personality of the students, providing a break from the monotonous routine of evaluation and academics. Livic received overwhelming responses in all its events.

The main events of **LIVIC 2k23**

- ☐ **PAPER PRESENTATION**
- ☐ **SPACE WALK**
- ☐ **MIME**
- ☐ **TECH MASTER- QUIZ**
- ☐ **ATELIER**
- ☐ **SPOT CHOREOGRAPHY**
- ☐ **EXPO**
- ☐ **GAMES CORNER**

### ❖ **PAPER PRESENTATION**

The **Paper Presentation** event was conducted in Seminar **Hall at 10:30** . **Dr. Sargunan K** was the staff coordinator who helped in making this program a grand success along with the student coordinators **Adarsh B Kumar(S8), and Shereef(S6)**. This event is all about how to manage the chosen topic with their presentation skills in front of an audience, with this to enhance the ability to answer the questions raised by the audience. As this event enhances a student's presentation skills and in-depth understanding of the chosen topic.





## ❖ SPACE WALK

The **SPACE WALK** was conducted at **SB802**. **Ms. Rini Madhavan Rajeev** was the staff coordinator who helped in making this program a grand success along with the student coordinators named **Akshay A J, Gayathri Y (S8 CE)**. The room was set up in a space theme with different constellations. The people who got into room had a wonderful visual experience.



## ★ MIME

The **MIME** was set up in the **COLLEGE LOBBY at 10am**. **Ms. Fathima Sherin T** was the staff coordinator who helped in making this program a grand success along with the student coordinators **Devika & Avani (S6 CE)**. The theme of the mime was 'SAVE WATER' which is related to environmental engineering. The S6 students who performed in the mime were Avani, Vineetha, Amina A, Neelima, Lekshmi, Haseena and Vidya



## ★ TECH MASTER- TECHNICAL QUIZ

The **technical quiz** event was conducted at **Civil Seminar Hall from 11.00am**. **Ms. Jisha G S** was the staff coordinator, who helped us in making this program a grand success along with the student coordinators **Adarsh B Kumar (S8), Shereef (S6)**.



## ★ ATELIER

The **ATELIER** was at SB803. **Ms. Meenu Rachel Jose** was the staff coordinator who helped in making this program a grand success along with the student coordinators **Anishma and Aneesa (S8 CE)**. The room was divided into 4 sections with different backgrounds for taking photos





### ★ SPOT CHOREOGRAPHY

The **SPOT CHOREOGRAPHY** event was organized by the S6 students with the help of Mr. Ajinraj. The winners were Thaj and Avani who received Rs500 and the 2<sup>nd</sup> prize was received by Aiswarya and Hisana who received Rs200.



### ★ Expo/ Project Exhibition

Students made still models and working models. The expo included models of VAST TC, Smart city, Hydraulic Dam, Qatar Fifa Stadium, Tensegrity structures, Hydraulic bridge, Taj mahal, etc..



### ★ Fun blast- Games corner

The games corner was set up in the Drawing hall. The Student coordinators were Akshay Subhash and Arabhy Sugunan (S8 CE).





**Program Outcome :** The students got a good platform to showcase and improve their technical skills.

## ★ “MECHTRONIA 2023”

Mechtronia2023 was organized by the department of Mechanical Engineering as a part of the tech fest of Vidya Academy of Science Technology Technical Campus, Kilimanoor, Thiruvananthapuram. to showcase and enhance the participants’ capabilities, Mechtronia 2023 included technical events, students’ projects, and expos. Students got an opportunity to enhance their knowledge, to have fun and to expose their ideas among themselves. All staff members and students in the Mechanical Engineering Department actively participated in all the events to make it a big success.

### Program schedule for Mechtronia 2023

TECHNICAL EVENTS					
SI No	Event Name	Venue	Staff in Charge	Student Coordinator	Team Members
1	CAD MASTER	CAD lab	Mr AjayKumar AG	Sujin S (S6 ME)	
2	TECH QUIZ	SB 505	Mr Midhun SS Mr	Akhil V (S6 ME) Al-Shinan	
3	DROP-A-	College	Robin David	(S1 ME)	



	THON	Ground			
<b>NON TECHNICAL EVENTS</b>					
SI No	Event Name	Venue	Staff in Charge	Student Coordinator	Team Members
1	CAPTURE THE FEST		Mr Sreejith S Nair	Digin (S6 ME)	
2	REELS CONTEST		Mr Naveen B	Savin S (S8 ME)	
3	BGMI TOURNAMENT	SB 505	Mr Naveen B	Akshay P (S8 ME)	
<b>FILM ROOM(EVOLUTION OF AUTOMOBILE -S2ME)</b>					
SI No	Event Name	Venue	Staff in Charge	Student Coordinator	Team Members
1	ART GALLERY	SB 505	MR Sajith Krishnan	Aswani Raj (S1 ME)	
2	CYCLE SHOW	College Ground	Mr AjayKumar AG	Amal M Lal (S8 ME)	
3	FILM ROOM (EVOLUTION OF AUTOMOBILE - S2ME)	SB 515	Mr Midhun SS	Aravu (S8 ME)	
4	GAME SPACE (S6 ME)	SB 507	Mr Naveen B	Vignesh BN (S8 ME)	
5	SELF BUILD BIKE	College Ground	Mr Midhun SS	Umesh U (S8 ME)	
6	MUSIC WORLD	SB 506	Mr Unnikrishnan MA	Digin (S6 ME)	
7	BUGGY RUNNING	College Ground	Mr Naveen B	Arsh G (S8 ME)	
8	ENGINE EXPO	SB 508	Mr Robin David	Akhil V (S6 ME)	
9	ANTIQUE COLLECTION	SB 506	Mr Sreejith S Nair	Vignesh BN (S8 ME)	
10	ARM WRESTLING	College Lobby	Mr Unnikrishnan MA	Vaishnav MS (S8 ME)	

## Events of Mechtronia 2023

### Engine Expo

In this event the disassembled parts of automobile power transmission system showcased in the lobby. The students got familiarized with various parts and working of IC engines

Faculty coordinator: Mr. Robin David

Student coordinators: Akhil V (S6 ME), Vignesh BN (S8 ME)

### Film Room

A 3D film room created in the lecture hall SB515. Videos of the evolution of mechanical and automobile engineering projected in the screen with 3D visual effects. Videos of previous

tech fests also shown in the film room. Students got an idea about the evolution of Mechanical engineering.

Faculty coordinator:

Mr.Midhun SS Student

coordinator: Aravu S (S8 ME)

### **Game space**

Fun games were arranged in this event for entertaining the students. The lecture hall SB507 were utilised as game space.

Faculty coordinator: Mr Naveen B

Student coordinator: Vignesh BN (S8 ME)

## Art Gallery

An art gallery is created in SB 505 including, Pencil drawings, oil paintings, miniature craft works of students and other artists.

Faculty coordinator: Mr. Sajith Krishnan

Student coordinator: Aswani Raj (S1 ME)

## Arm Wrestling

An arm wrestling competition for students was held at campus under the guidance of professional referees. Mr. Muhsin of Third year CSE was the winner of this event and Mr. Umesh U of Fourth year ME was the runner up.

## Glimpse of Mechatronic 2023



# വിദ്യ എൻജിനീയറിംഗ് കോളേജ് ടെക് ഫെസ്റ്റിൽ ആർട്ട് ഗ്യാലറി

കിളിമാനൂർ: തട്ടത്തുമല വിദ്യാ എൻജിനീയറിംഗ് കോളേജ് ക്യാമ്പസിൽ നടന്ന ടെക് ഫെസ്റ്റിൽ രാജാരവിവർമ്മയുടെ എഴുപത്തിയഞ്ചാം ജന്മവാർഷികത്തോടനുബന്ധിച്ച് ആർട്ട് ഗ്യാലറി ഒരുക്കി. ഗ്യാലറിയിൽ വിദ്യാർത്ഥികൾ പെയിന്റ് ചെയ്ത ചിത്രങ്ങളാണ് പ്രദർശിപ്പിച്ചത്. കിളിമാനൂരിന്റെ അനുഗ്രഹിത കലാകാരൻ രാജാരവിവർമ്മയെ പുതിയ തലമുറയും ഓർക്കുന്നത് അഭിമാനകരമാണെന്ന് കോളേജ് പ്രിൻസിപ്പൽ ഡോ. ടി. മാധവ് രാജ് രവികുമാർ പറഞ്ഞു.

ഗിന്നസ് റെക്കോർഡ് ഇട്ട ആർട്ടിസ്റ്റുകളായ പ്രിൻസ് തോന്നക്കൽ, സംഗീത പ്രിൻസ് വിദ്യാർത്ഥികളായ സരിൻ, അതുൽ, ആരവ്, വൈഷ്ണവ്, അശ്വനി, അതുൽ ഭാസ്കരൻ എന്നിവരുടെ വിവിധ തരത്തിലുള്ള അമ്പ



തട്ടത്തുമല വിദ്യാ എൻജിനീയറിംഗ് കോളേജ് ക്യാമ്പസിൽ നടന്ന ടെക് ഫെസ്റ്റിൽ ഒരുക്കിയ ആർട്ട് ഗ്യാലറി

ത് ചിത്രങ്ങളാണ് ടെക് ഫെസ്റ്റിൽ പ്രദർശിപ്പിച്ചത്. പെൻസിൽ ഡ്രോയിംഗ്, കളർ പെൻസിൽ ഡ്രോയിംഗ്, മോണോ ക്രോമാറ്റിക് കളർ പെൻസിൽ, മൈക്രോ ആർട്ട്, പെൻസിൽ കാർ വിംഗ്, മ്യൂറൽ പെയിന്റിംഗ്, അക്രൈലിക്

പെയിന്റിംഗ്, ഓയിൽ പെയിന്റിംഗ് എന്നീ വിഭാഗത്തിലുള്ള ചിത്രങ്ങളാണ് പ്രദർശിപ്പിച്ചത്. കോളേജ് ഡയറക്ടർ കെ. എസ്. ഷാജി, മെക്കാനിക്കൽ വിഭാഗം മേധാവി ഡോ. എച്ച്. തിലകൻ എന്നിവർ പങ്കെടുത്തു.

A lovely saying that reads, **"Winning is not important; participation is all that is required."** During the day, around 75 Students participated in all events, including both individual and team participation. The winners were announced during the closing ceremony and certificates and cash awards were distributed to everyone. In a nutshell, the tech fest day were filled with delight, learning, experience, skill representation, and, finally, appraisal. This event would not be feasible without the efforts of event organizers and volunteers working under the supervision of the respective faculties. So, congratulations to them.



## ★ AURA 2K 23

**Department of Computer Science and Engineering** conducted their Techfest **AURA 2K23** in association with **CODIAC on 12 th May**. Department Techfest coordinators were **Ms. Ashly K John(Asst.Prof -CSE), Ms. Jisha Raj T (Asst.Prof – CSE)**. Techfest provides a platform for students to showcase one's unique talents and are important in the holistic development of the personality of the students, providing a break from the monotonous routine of evaluation and academics. Aura received overwhelming responses in all its events.

The main events of **AURA 2K23**

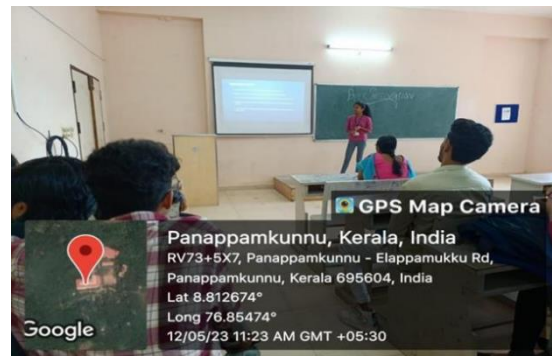
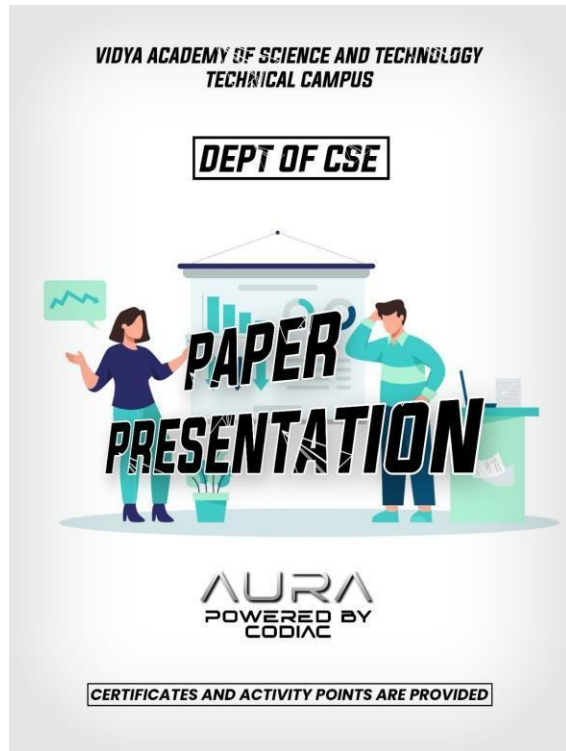
### **TECHNICAL EVENTS**

- ☐ **PAPER PRESENTATION**
- ☐ **TECHNICAL QUIZ**
- ☐ **CODE DEBUG**
- ☐ **WEBSITE DESIGN**

### **NON-TECHNICAL EVENTS**

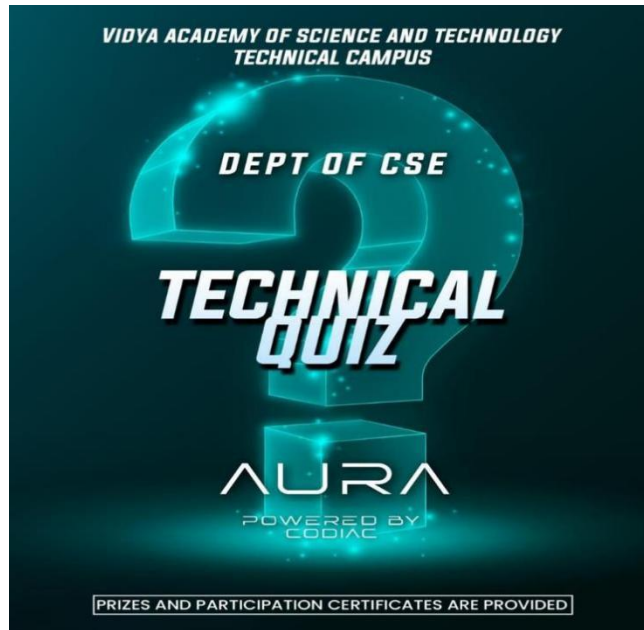
- ☐ **GAMERS PARADISE**
- ☐ **LOGITECH G29**
- ☐ **VR GAMING**
- ☐ **VALORANT**
- ☐ **QR TREASURE HUNT**
- ☐ **PLAY STATION**
- ☐ **SCRAMBLED KEYBOARD**

## PAPER PRESENTATION



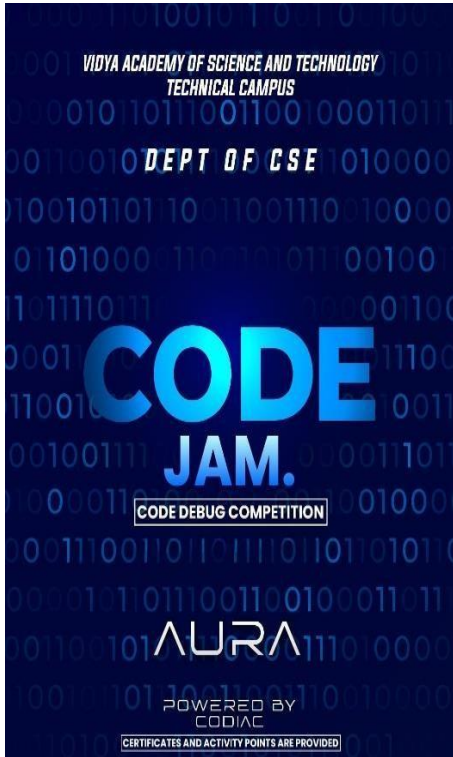
The **PAPER PRESENTATION** event was conducted on SB 617 at 11 am to 12:00 pm. Ms. Divya M K and Mr. Bibin Dev were the staff coordinators who helped in making this program a grand success along with the student coordinator **Sreelekshmi B S(S8 CSE)** and team members **Farzana(S8 CSE)** and **Krishna B Nair (S8 CSE)**. It was a one-hour long event and 2 groups were participated in this event. In the PAPER PRESENTATION Competition, Ashtami and her group (S6 CSE) got first place.

## ❑ TECHNICAL QUIZ



The technical quiz event was conducted at CC LAB from 9.30am to 12.00pm. Ms. Jisha Raj T and Mr. Bibin Dev J S was the staff coordinator, who helped us in making this program a grand success along with the student coordinators Midhula M S. Supported by student volunteers Karthik Murali, Sahadiya Sulfi, Lekshmi B S, Arya A R, Varsha G L(S2 CSE) , Krishna B Nair, Jyothirmayi S L, Salu J Suman (S8 CSE). Total 13 teams participated in this event. This event was divided into 4 levels Each level was arranged from easy to hard. The first prize goes to Adithyan A R, Wazin Ajmal (S4 CSE). The Second prize goes to Swathiraj M, Parvathy R S (S6 CSE).

## ❑ CODE DEBUG



The CODEJAM event was conducted on FOSS LAB at 11:30 am to 1:00 pm. Ms.Athulya Kamalasanan and Ms.Rajimol R T were the staff coordinators who helped in making this program a grand success along with the student coordinator Abdul Razaq A(S4 CSE) and team members Wazin Ajmal(S4 CSE) and Krishnanath S(S4 CSE). It was a one and half- hour long event and 9 students participated in this event.

In Code Debug Competitions, developers are expected to resolve a real-world problem that may have different errors and problems, both syntactic and logical, in a limited time. This boosts the student's analytical and rational thinking which eventually intensifies their problem-solving skills to make them better software professionals. Adithyan A R(S4 CSE) was first in this competition and Anandhu Santhosh(S4 CSE) was second.



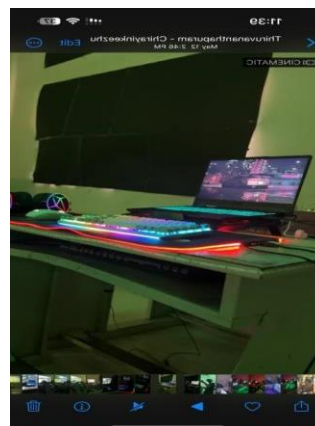
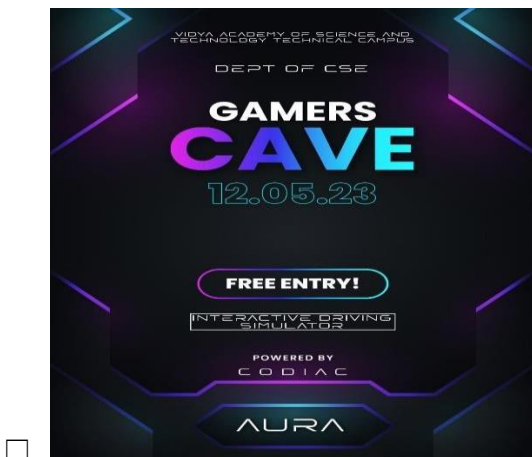
## WEBSITE DESIGN

The WEBCRAFT event was conducted on FOSS LAB at 9:00 am to 11:30 am. Mr. Suraj S R and Ms.Rajimol R T were the staff coordinators who helped in making this program a grand success along with the student coordinator Sreerag A(S4 CSE) and team members Gopika P(S4 CSE) and Anagha Anil(S4 CSE). It was a one and half-hour long event and 8 students participated in this event.

Web Design Competitions focuses on creativity as well as technical knowledge, where developers design and code webpage(s) which satisfy the given theme in a user friendly manner. This increases the student's creative and designing ability which helps them to make professional and user friendly websites. Azif Ali Z(S4 CSE) was first in this competition,Shalo Sajan(S4 CSE) was second and Pranav P(S4 CSE) was third.



## GAMER'S PARADISE



The Gamers Paradise was conducted at Classroom SB608 from 10:00 AM to 4:00 PM. Ms. Athulya Kamalasanan was the Staff coordinator, along with student coordinators Sandra Dev (S8), Salu J Suman (S8), and Krishna B Nair (S8). The event was participated in by 18 students.

The Event Consists of Multiple Gaming Laptops made available to be played games for a certain time limit which allow the students to experience the wonders of a well designed Gaming Room. The room consisted of Gaming laptops from the students in class S8 and were put to display in the classroom. Using RGB strips lights the room lit up as a gaming room.

### LOGITECH G29



The Logitech G29 was conducted at Classroom SB609 from 10:00 AM to 4:00 PM. Ms. Krishna L was the Staff coordinator, along with student coordinators Ullas Js (S8), Ashik Mohammad (S8), and Krishnaprasad P A (S8). The event was participated in by 18 students. The Logitech G29 is a popular racing wheel and pedal set used during our tech fest Aura for playing racing games. With its leather-wrapped steering wheel, integrated controls, paddle shifters, and responsive pedals, it enhances the immersive experience. The G29 provides realistic feedback through advanced force feedback technology, allowing students to feel weight shifts, tire grip, and simulated collisions or vibrations. It can be easily customized to suit individual preferences, providing a thrilling and lifelike gaming experience during tech festivals.

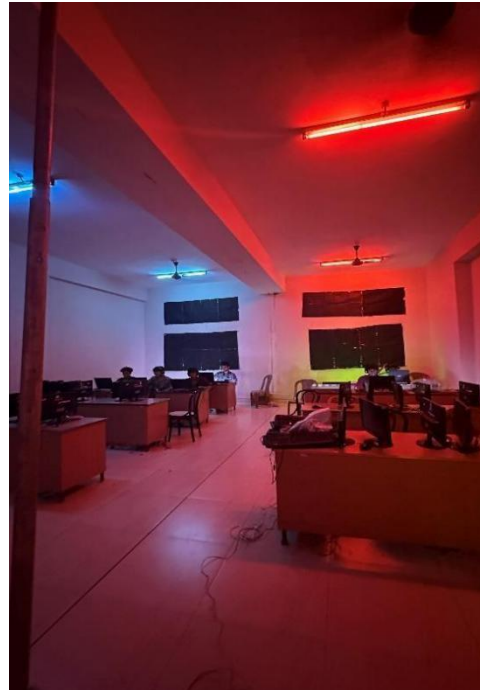
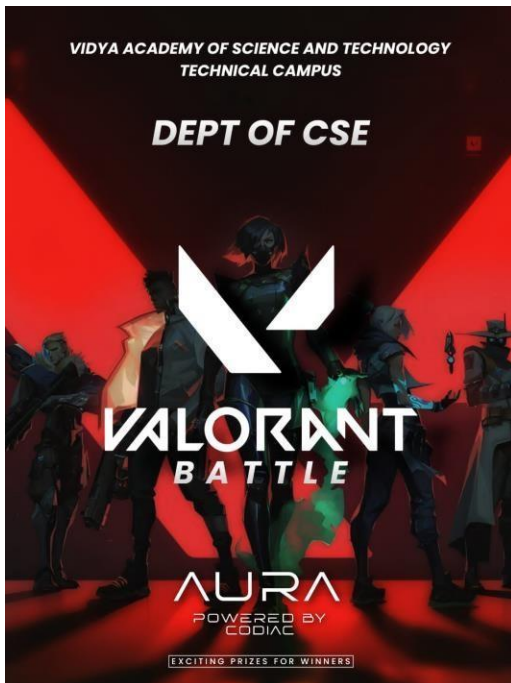
## □ VR GAMING



VR Gaming was conducted at Classroom SB609 from 10:00 AM to 4:00 PM. Ms. Anaya Anson was the Staff coordinator, along with student coordinators Bibin Binu (S8), Niranjan S S (S8), and Akhil Pradeesan (S8). The event was participated in by 18 students.

The Oculus Quest 2 is a popular all-in-one virtual reality (VR) gaming device used during our tech fest Aura. It offers wireless gameplay without the need for a PC or external sensors. With its high-resolution display and advanced tracking technology, students can enjoy stunning visuals and precise movement tracking to interact with virtual environments. The Quest 2's ergonomic design ensures comfort during extended gameplay sessions. It allows students to delve into immersive VR worlds and experience thrilling gaming adventures that bring their imaginations to life during tech festivals.

## ❑ VALORANT



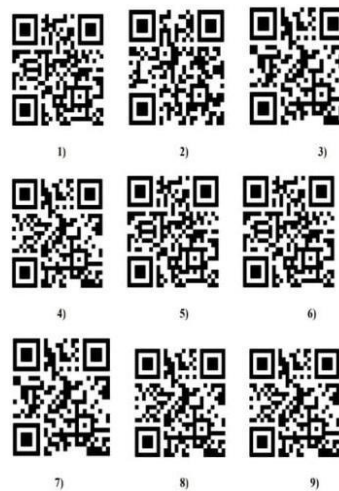


The VALORANT event was conducted on LANGUAGE LAB at 10:00 am to 4.00pm.Ms.Rejin Moncy A was the staff coordinator who helped in making this program a grand success along with the student coordinator Muhammed Safar A(S6 CSE) and team members Mohammed Shameem A(S6 CSE),Jasim S Muhammed(S6 CSE) and Muhammed Suhaib Sha(S6 CSE).it was a full day event and 4 teams each with 5 members participated in this event.

Valorant is a team-based first-person tactical hero shooter set in the near future.Gaming improves problem-solving skills and logic. Increased hand-to-eye coordination. Greater multi-tasking ability. Faster and more accurate decision-making.Jasim S Muhammed(S6 CSE)and team were first in this tournament and Ullas J S(S8 CSE) and team were second.

#### ☐ QR TREASURE HUNT

K I





The Treasure Hunt Event was conducted on Computer Science Block, the registration for the Event started from 11 am to 12 pm and the hunt started from 2 pm-3.40 pm. The Event coordinators are Farzana S.(S8), Sreelekshmi B S (S8), Akshaya Prathap(S8), and Faizal Shanavas (S8). 8 teams consisting of 4 members each contested in the event.

The competitors were expected to explore a series of thrilling challenges and hidden clues scattered throughout a college campus. Equipped with your smartphone or tablet, scan strategically placed QR codes to unlock riddles, puzzles, and hints. The QRs consisted of both valid and invalid codes. Each successful scan leads the team closer to the ultimate treasure, awaiting discovery at the journey's end. The participating teams had to navigate through intriguing locations, solve mind-bending enigmas, and unravel the secrets of the QR codes. The teams had to scan through nearly 378 QR codes in order to find the valid QRs to get to the final location.

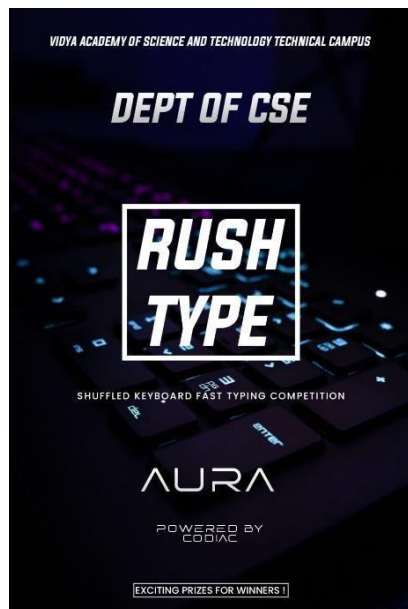
## □ PLAYSTATION



The GAMING STATION event was conducted on SB 607 at 9:00 am to 4.00 Pm. Ms.Rejin Moncy was the staff coordinators who helped in making this program a grand success along with the student coordinator Sanjay(S6 CSE) and team members Karthik B S(S6 CSE), Nikhil S(S6 CSE) and Ali Mohammed S(S6 CSE). It was a full day event with games such as Fifa, Red Dead Redemption 2,GTA 5,Spiderman,Farcry and WWK19 having entry fee.

Videogames include improved powers of concentration, creativity, memory, languages and teamwork. Videogames can make it easier to learn educational contents and develop cognitive skills. As this event is not a competition item there were no winners each could come and enjoy the joy of gaming.

## ❑ SCRAMBLED KEYBOARD



The RUSH TYPE event was conducted on corridor at 9.30am to 11.00am. Ms. Jisha Raj T was the staff coordinator who helped in making this program a grand success along with the student coordinator Niranjana M (S2 CSE). Supported by student volunteers Vipin V Lal, Harikrishna V S, Adish S, Adithyan S S, Sameel T, Esha Manohar L R, Induja J S (S2 CSE). This event was conducted for students to learn about the arrangement of keys in the computer keyboard and how they fit it correctly. Total 13 students participated in this event. The competition was focused to test the ability in keyboard assembling.

The winner of the competition was Rushda Salmath (S2 CSE).

**Program Outcome :** The students got a good platform to showcase and improve their technical skills.

## ❖ “INNOVIZ 2023”

INNOVIZ 2023 was organized by the Electrical and Electronics Engineering Department as a part of TECH FEST. The main aim of INNOVIZ 2023 is to enhance the students in contemporary technologies and to utilize their broad based knowledge , skills and resources to design, invent with team leadership quality and teamwork. All the students and staff members actively participated to make the event successful.



## **Program schedule for INNOVIZ 2023**

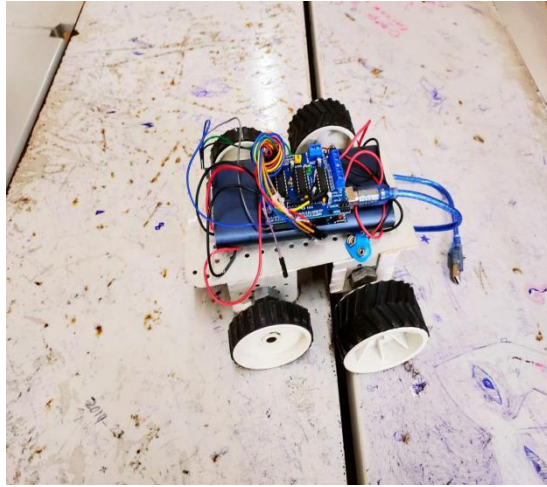
Sl No	Events	Date	Time	Students co-ordinator	Staff co-ordinator
1	Technical projects expo	12/5/2023	9:00 AM to 4:00PM	Abhiram A B Nair, Mithun TP, Anandu Krishnan	Anjala S S & Gokul Krishnan G U
2	EMC stall	12/5/2023	9:00 AM to 4:00PM	Anoop S	Aryasree S S
3	KSEB Stall	12/5/2023	9:00 AM to 4:00PM	Anandu S	Arjun Mohanlal
4	Motion Detection Laser	12/5/2023	11:00 Am to 4:00PM	Abhiram A B Nair	Indulekha Jayachandran
5	Spot circuit design(IC)	12/5/2023	11:00AM to 12:00PM	Sreekuttan P R	Parvathy C J, Shaiba K S
6	Tesla Stall and LED tube & light Assembly Workshop	12/5/2023	9:00 AM to 4:00PM	Abhi Krishna, Abhijith A R	Arjun Mohanlal
7	Virtual Reality	12/5/2023	9:00 AM to 4:00PM	Anoop S	Anjala S S
8	Electrical Stall	12/5/2023	9:00 Am to 4:00PM	Anandu S, Anandu Krishnan	Gokul Krishnan G U
9	Keltron Stall	12/5/2023	9:00 Am to 4:00PM	Pranavika Pradeep	Aryasree S S
10	EV Expo	12/5/2023	9:00 Am to 4:00PM	Abhinjith A P	Parvathy C J
11	Electrical Quiz	12/5/2023	2:00PM	Anandu S	Shaiba K S, Aryasree S S
12	Circuit Debugging(IC)	12/5/2023	11:00AM to 1:00PM	Anandu Krishnan, Pranavika Pradeep	Indulekha Jayachandran, Shyju
13	Solar Expo	12/5/2023	9:00 AM to 4:00PM	Abhi Krishna	Anjala S S
14	Houseshold wiring	12/5/2023	2:00 PM to 4:00PM	Methun T P, Abhijith A R	Arjun Mohanlal, Shyju

## **Events of INNOVIZ 2023**

### **TECH PROJECT EXPO**

In this session students of Tech Team arranged mini technical projects in the lecture hall EB 504

Faculty Coordinator :Mr. Arjun Mohanlal, Ms. Indhulekha Jayachandran  
Student Coordinator :Anoop S, Abhikrishna, Abhijith A R

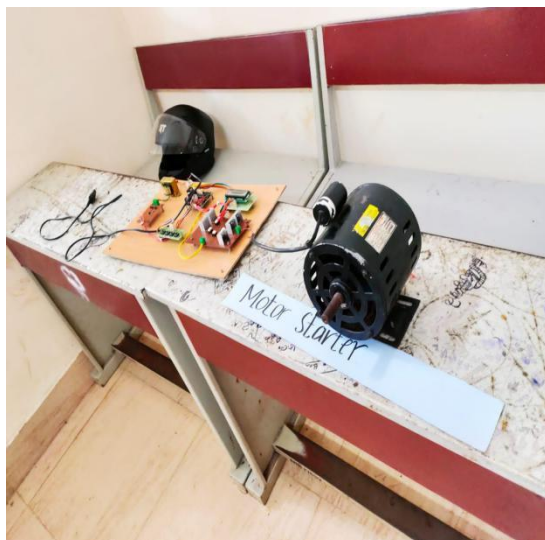


## PROJECT EXPO

In this event final year projects from current and previous year are arranged in lecture hall EB504. The final year students explained the working of the project.

Faculty coordinator :Mr. Gokulkrishnan G U. Mrs Anjala S S

Student coordinator :Abhiram A B Nair, Anandhukrishnan, Midhun T P



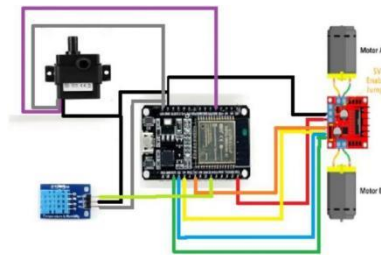
## HOUSEHOLD WIRING

In this session basic information regarding home wiring is provided like safety installations, types of wiring, factors to be considered before wiring by the pre final years in EB507.

Faculty coordinator :Mr. Arjun Mohanlal Student coordinator :Midhun T P, Abhijith A R

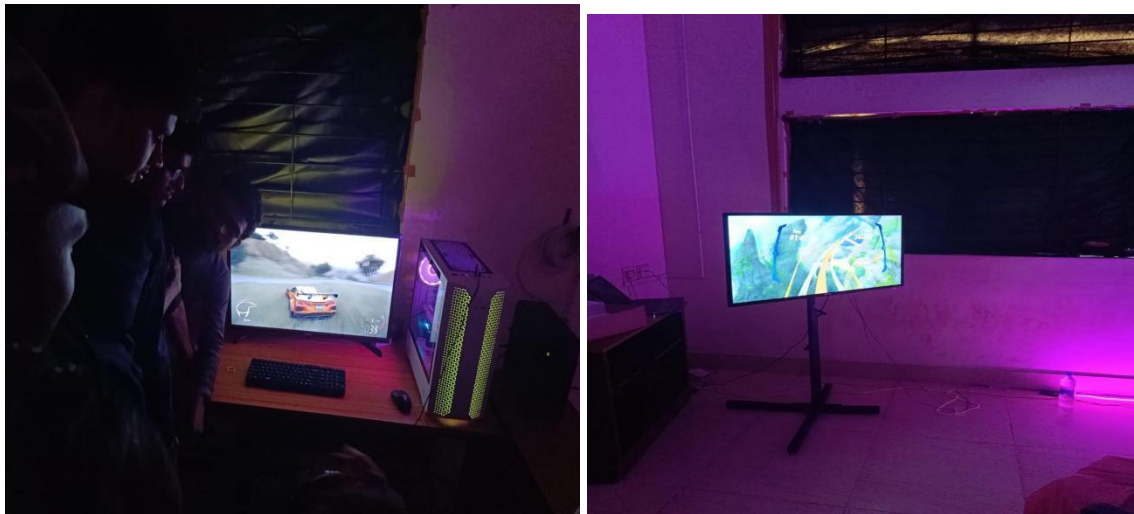
## CIRCUIT DEBUGGING

In this session circuit debugging is done which is the most powerful fault-finding technique available for microcontrollers. It allows the chip to be programmed and tested in circuit using the standard MPLAB debugging tools to control program execution in the actual target board. This session is conducted on EB 507. Faculty coordinator :Ms. Indhulekha Jayachandran, Mr. Shaiju Student coordinator :Anandhukrishnan, Prenavika Pradeep



## VIRTUAL REAL GAMES

V R games were arranged in this event for entertaining the students in the lecture hall EB 510.



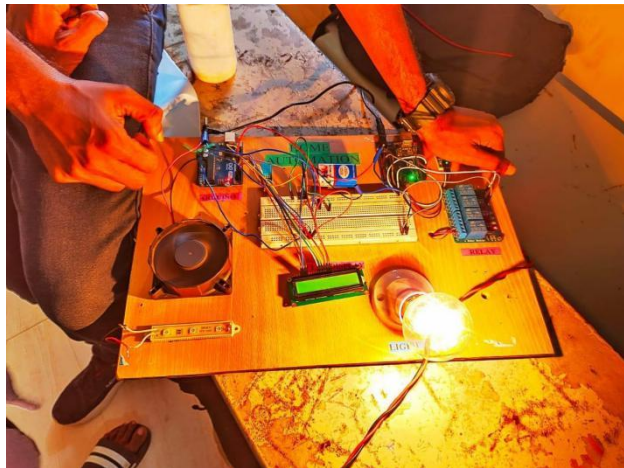
A 3D film room created in the lecture hall EB510 for providing 3D visual effects.

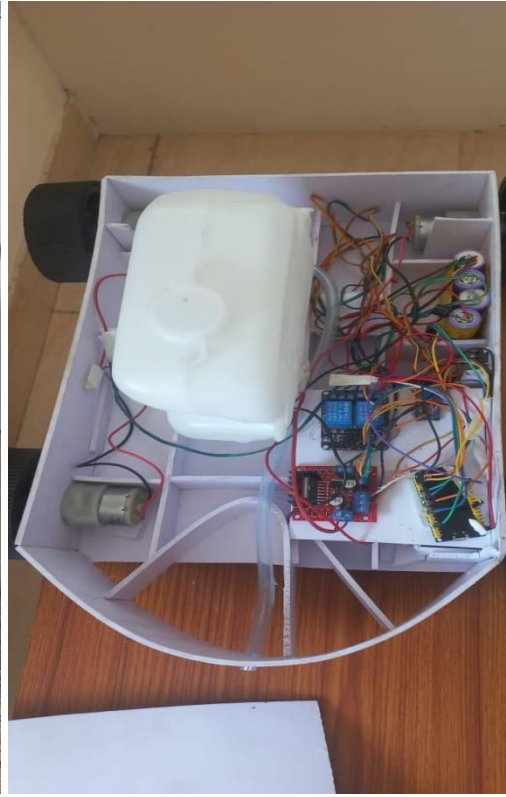
Faculty coordinators: Ms. Parvathy C J, Mrs. Aryasree S S

Student coordinators :Anandhu S, Abhikrishna



## Glimpse of INNOVIZ 2023





During the day, around 90 Students participated in all events, including both individual and team participation. In a nutshell, the tech fest day was filled with delight, learning, experience, skill representation, and, finally, appraisal. This event would not be feasible without the efforts of event organizers and volunteers working under the supervision of the respective faculties. So, congratulations to them.

## ❖ JOURNEY TO A STARTUP

IEDC VAST TC organized a talk session on the topic ‘Journey to a startup’ on **29/04/2023** 10 am at Mechanical seminar hall. The resource person was **Mr Misban A S , Founder CEO , Science Tech Education pvt ltd** and alumni VAST TC. He was accompanied by **Mr Thoufeek , Alumni VAST TC** and currently working with Genrobotic Innovations pvt ltd. The session was an interactive one where students were able to communicate and clear their doubts. Head of Department of Mechanical Engineering Dr Thilakan sir attended the session and shared his experience with the students.

### Topics of discussion

- How to find an entrepreneur in you
- Setting up the mind for becoming an entrepreneur
- Motivation talk with real life examples
- Student interactive session.

The poster is for a talk session organized by IEDC VAST TC. It features a photo of Mr. Misban A.S., Founder CEO of Science Tech Academy Pvt. Ltd. The text on the poster includes the Vidya Academy logo, the event title 'TALK SESSION', the topic 'JOURNEY TO A STARTUP', the speaker's name 'Misban, A.S.', and the date and time '2023 APRIL 29TH 10:00 AM - 12:00PM'. It also provides contact information for Jerin Joseph and Aneesa, and mentions accreditation by NACC with a B++ grade.

**vidya** Vidya Academy of Science & Technology  
A unit of Vidya International Charitable Trust

IEDC VAST TC Presents

**TALK SESSION**

Topic: JOURNEY TO A STARTUP

*Misban, A.S.*  
Founder, CEO  
SCIENCE TECH ACADEMY Pvt. Ltd.

2023  
**APRIL 29TH**  
10:00 AM - 12:00PM

More Info:  
JERIN JOSEPH: 8921198202  
ANEESA: 9142034482

ACCREDITED  
BY NACC  
WITH B++  
GRADE

**B++**  
NACC



## Event pictures







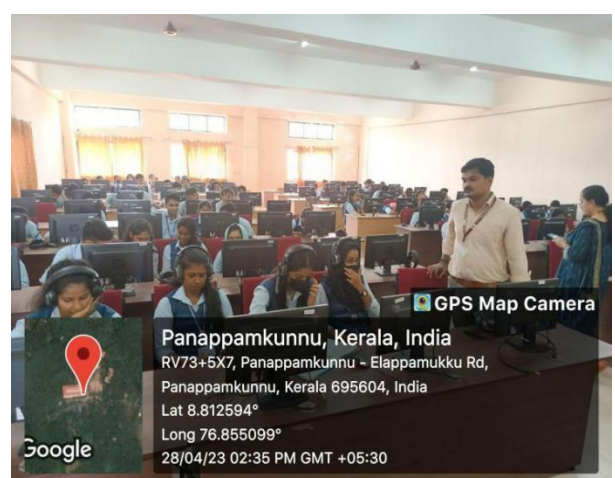
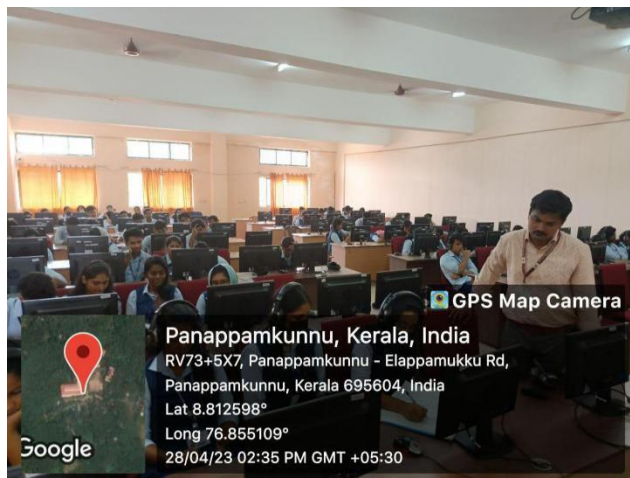
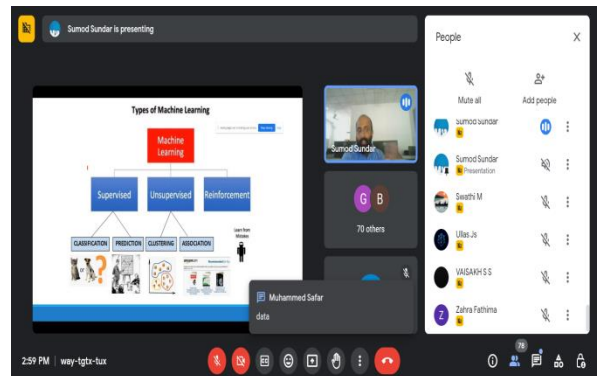
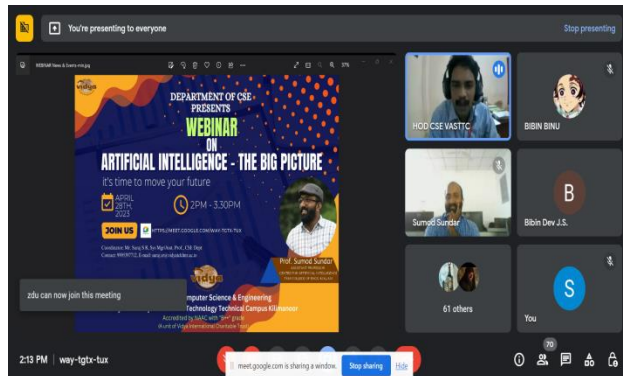
### ❖ Webinar on “Artificial Intelligence - The Big Picture”

The Department of Computer Science and Engineering, VAST TC organized a **Webinar** on “Artificial Intelligence - The Big Picture” on 28<sup>th</sup> April 2023. The program was organized by **Dr.C.Brijilal Ruban**, HoD of Computer Science and Engineering. The resource person of the event was **Prof. Sumod Sundar**, Assistant Professor, Centre for Artificial Intelligence, TKM College of Engg Kollam. The event was coordinated by **Mr. Suraj S R**, Systems Manager/Assistant Professor, CSE. The webinar started with a welcome speech by Mr. Suraj S R followed by a brief talk by **Dr.C.Brijilal Ruban**, HoD, CSE. Total of 84 students of S6 CSE and S4 CSE participated in the webinar. **Ms. Ashly K John** Assistant Professor, CSE, **Ms. Jisha Raj T**, Assistant Professor, CSE, **Mr. Vinod T F**, ITIMS Administrator, **Mr. Bibin Dev**, Trade Instructor, CSE and **Ms. Raji Mol R T**, Trade Instructor, CSE were very much dedicated to rendering their service throughout the sessions. Positive responses were received from the students through the google form provided. The event was structured in 1 hour 30 minute session, followed by a Q & A session and feedback was collected from all students.

## Event poster



## Event pictures



## Sample Certificate



#### □ TECHNICAL TALK ON “RECENT TRENDS IN EMBEDDED SYSTEMS”

The Department of Electronics and Communication Engineering, organized a Technical talk on “Recent Trends in Embedded Systems” on 06<sup>th</sup> May 2023. The program was organized by **Dr. Jayarenjini N (Asso.Prof & HoD-ECE)**. The resource person of the event was **Mr.Neju A N, Technical Head, Quest Innovative Solutions, Cochin**. The event was coordinated by **Ms.Abha.M L(Asst.Prof-ECE)**. The Talk started with a welcome speech by **Ms Abha.M.L** followed by a brief talk by **Dr. Jayarenjini N (Asso.Prof & HoD-ECE)**. Total **40** students of S6 ECE and S8 ECE participated in the talk. Positive responses were received from the students. The event was structured in 2 hour sessions, followed by a Q & A session.



## EVENT POSTER

**DEPARTMENT OF  
ELECTRONICS & COMMUNICATION ENGINEERING**

**TECHNICAL TALK ON**

**RECENT TRENDS  
IN EMBEDDED  
SYSTEMS**

**DATE 06 MAY 2023**

**TIME 10 AM TO 12 PM**

**VENUE MECHANICAL SEMINAR HALL**

**MR. NEJU A N**  
TECHNICAL HEAD QUEST  
INNOVATIVE SOLUTIONS,  
COCHIN

**CONVENOR**  
**DR. JAYARENJINI N**  
(HOD, DEPT. OF. ECE)

**CO-ORDINATOR**  
**MS. ABHA. M. L**  
(ASSISTANT PROFESSOR, DEPT. OF. ECE)

**Vidya Academy of Science and Technology**  
**Technical Campus Kilimanoor**  
A Unit of Vidya International Charitable Trust

**ACCREDITED BY  
NAAC WITH  
"B++" GRADE**

**B++  
NAAC**

[www.vidyatechklmr.ac.in](http://www.vidyatechklmr.ac.in)

## GLIMPESES OF THE EVENT:





## ❖ EXPERT TALK ON INTELLECTUAL PROPERTY RIGHTS AND IP MANAGEMENT

The Department of Applied Science organized an online expert talk on “**Intellectual Property Rights and IP Management**” on **5<sup>th</sup> May 2023** via **Google Meet** at **11.a.m.** The expert talk was organized for faculty members and students. The expert talk comprised 95 participants. The main aim of the session was to provide fundamental knowledge of intellectual property right to our students and faculties so that they can contribute more in this direction. The convenor of the session was **Dr. Jayanthi L S (Asso.Prof & HoD-AS)**. The faculties in-charge of the session were **Ms. Karunalatha R & Ms. Adithya G S (Asst.Prof- AS)**. The programme was begun with welcome speech given by **Ms. Raji Krishna V K (Asst.Prof- AS)** and invited guest speaker to start the session. Thereafter, **Dr. R Sabari Banu, Women Scientist, IPR Scientist, Govt. NIPAM Volunteer Wise Kiran IPR DST, New Delhi** started the session and explained all the fundamental aspects of intellectual property rights and the need of IPR in the current system. Also, she highlighted the importance of patent drafting for beginners, Patent law for engineers and scientists. This lecture on IPR met its entire desired objectives and students have understood the role of intellectual property rights in their career. The session ended with a vote of thanks by **Ms. Saranya S S (Asst.Prof- AS)** in appreciation to Dr. R Sabari Banu for giving her time to educate the students on the role of intellectual property rights.



R SABARI BANU is presenting

meet.google.com/cyz-vozg-nfw

11:09 AM | cyz-vozg-nfw

11:10 AM | cyz-vozg-nfw

Participants: Arun K.L., R SABARI BANU, Karunalatha R, R SABARI BANU, Raji Krishna VK, soumya babu, 84 others, You.

R SABARI BANU is presenting

meet.google.com/cyz-vozg-nfw

11:14 AM | cyz-vozg-nfw

Participants: Arun K.L., R SABARI BANU, Karunalatha R, R SABARI BANU (P), Raji Krishna VK, bhavya v, 80 others, You.

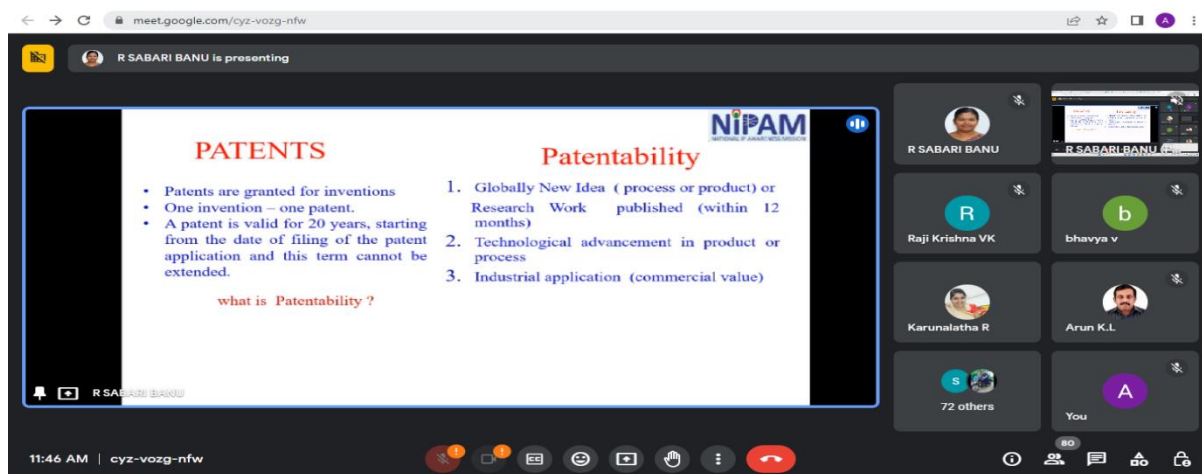
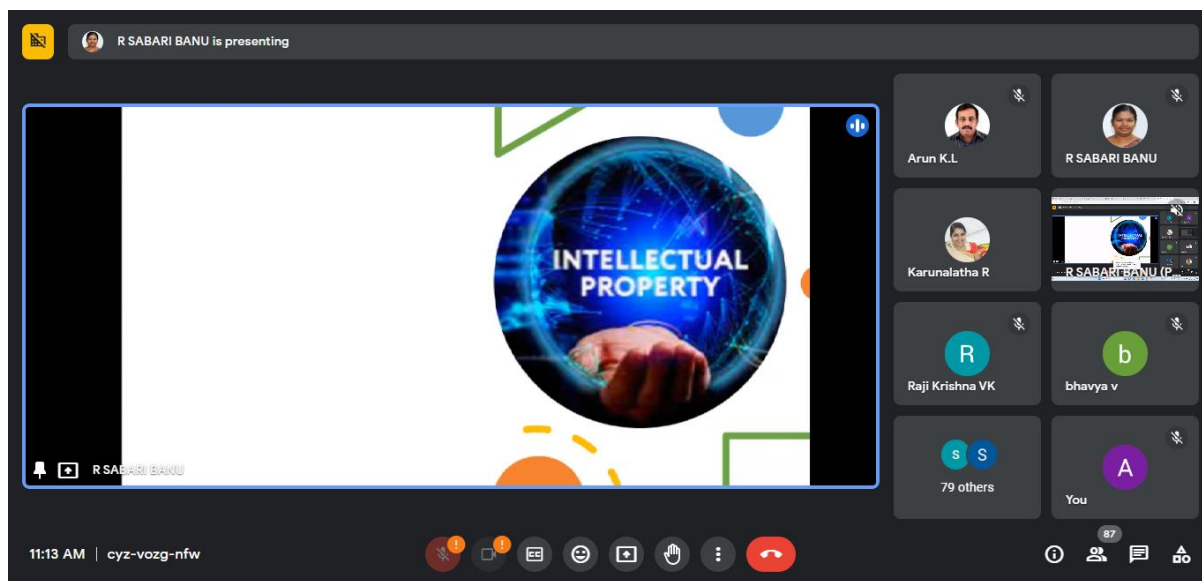
**R Sabari Banu**

- Have Sixteen plus years experience in Academic teaching, research and administration.
- Three years of industrial experience
- Received best teacher award. Proficient in innovative teaching methodologies and been the resource person of more programs in various reputed institutions.
- Published journals in IEEE, SCI and Scopus Journals, Guided master of UG and PG Projects.
- Fund received from DST, NCVT and AICTE India, organized Workshops, Seminars, Guest Lectures, FDPs, Conferences in current trends.

**NIPAM**  
NATIONAL INSTITUTE OF PARAMETER ESTIMATION

11:04 AM | cyz-vozg-nfw

Participants: Saranya S.S., R SABARI BANU, Karunalatha R, Muhammed Al ameen, Aryasree S S, ASWIN KRISHNA MS, Jisha Raj T, 62 others, You.





## Expert Talk on INTELLECTUAL PROPERTY RIGHTS AND IP MANAGEMENT

Organised by  
Department of Applied Science & Ministry of  
Commerce and Industry Department

**Smt. Dr. R Sabari Banu**  
Women Scientist, IPR Scientist, Govt. NIPAM Volunteer  
Wise Kiran IPR DST, New Delhi

 **MAY 5, 2023**  
 **11:00 AM**  
 **Medium: Google meet**



**Convenor :**  
Dr. Jayanthi L S,  
Associate Prof. & HOD,  
Applied Science

**Co-ordinators:**  
Karunalatha R, (Asst. Prof., Applied Science)  
Adithya G S, (Asst. Prof., Applied Science)

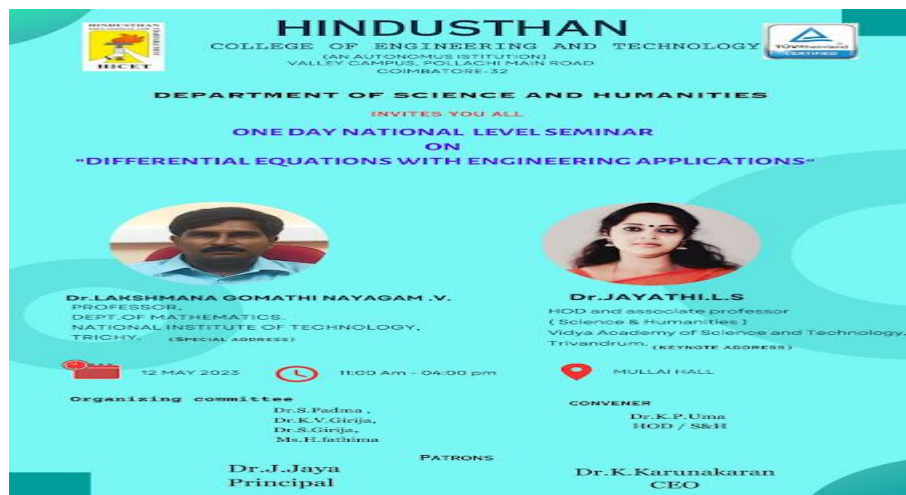


**VIDYA ACADEMY OF SCIENCE & TECHNOLOGY  
TECHNICAL CAMPUS, KILIMANOOR**  
(A Unit of Vidya International Charitable Trust)  
**PROGRESS THROUGH EDUCATION**



## ❖ STAFF ACHIEVEMENT

- **Dr.Jayanthi L.S (Asso.Prof & HoD)** acted as resource person on **One day national level seminar on Differential Equations with Engineering Applications** organized by Hindusthan college of Engineering and Technology on **12th May 2023**.



- **Ms. Niraja J Shenoy(Asst.Prof-ECE)** Published a paper entitled as **“Deblurring and Saliency Detection In Compressed Domain”** in GIS Science Journal Volume 10, Issue 4, April 2023.





❖ **FDP**

- **Ms.Bhavya V (Asst.Prof-ECE)** attended a 5 day Faculty Development Program on the topic “**New Age Technologies**” Organized by SCOPE, VIT-AP University, Amaravati from **28-03-2023 to 01-04-2023**.





## ❖ STUDENT ACHIEVEMENTS

- **Mr.Jithin Madav,Ms.Krishna B Nair,Ms.Arsha Raj S R,Ms.Arya Anil B,Ms.Sandra S P,Ms.Anjana A R and Mr.Muhammad Nazeem N of S8 CSE Placed in Sea Sense Softwares.**



❖ **Abhinad A S (S4, ECE), Nijin S S (S4, ECE) Gopan Ram J(S6, ECE), Geethma B (S6, ECE),Sandra Santhosh (S6, ECE) and Sreekuttan S (S6, ECE) attended IEEE Event “Enthalpy-Revive, Reconnect, Reignite” organised by IEEE Travancore Hub at Mar Baselious college of Engineering and Technology, Nalanchira, on 20th May 2023.**



## ❖ STAFFACHIEVEMENTS

## ❖ PAPER PUBLICATIONS



**Dr. C. Brijilal Ruban (Associate Professor & HoD) and Mr. Suraj S R (Systems Manager & Assistant Professor), Department of CSE, Published paper entitled as “Secure Communication in VANET using a VTD Protocol”, in the Gradiva Review Journal (Listed in UGC CARE GROUP -2 JOURNAL). vol. 9, Issue no.4. Pg.No. 1336-1349.**

***Paper Published from department of CSE***



**Dr. C Brijilal Ruban**  
Associate Professor & HOD  
Dept. of CSE



**Mr. Suraj S R**  
System Manager & Assistant Professor  
Dept. of CSE

**Title:**

**“Secure Communication  
in VANET using a VTD  
Protocol”**

GRADIVA REVIEW JOURNAL

ISSN NO : 0363-8057

**Secure Communication in VANET using a VTD Protocol**

Dr. C. Brijilal Ruban,  
Associate Professor & Head  
Department of CSE  
Vidya Academy of Science and  
Technology Technical Campus,  
Kilimanoor, Trivandrum, Kerala, India

Mr. Suraj S R  
Systems Manager & Assistant Professor  
Department of CSE  
Vidya Academy of Science and  
Technology Technical Campus,  
Kilimanoor, Trivandrum, Kerala, India

**Abstract**

Vehicular Ad-hoc Network (VANET) has wide application in developed/developing nations, for the effective management of vehicular traffic, and inter vehicular communication. In vehicular communication, the data includes traffic alert and safety warning. In most of the previous research, the quality aware data routing have achieved in VANET. In some research, the researchers also proposed the security model for the secure transmission of these data. Instead of giving importance to the security of these data, trust ability of data and data transmitter is essential in VANET communication. In this paper a new protocol called Virtual Trust-ability Data transmission (VTD) is proposed for the effective handling of VANET. In the proposed protocol, three stages are used in the first stage a virtual topology is created using a simple clustering technique. Then in the second stage the trust ability of every node or vehicle is analysed. In the last stage, the data are transmitted via the trusted vehicle and remove the falsedata from the communication. Then the performance of the proposed VTD protocol is analysed based on packet failure rate, bandwidth utilization and network scalability.

*Keywords: Vehicular Ad-hoc Network, trust ability analysis, false data detection, VANET routing, trust model.*

**1. INTRODUCTION**

In Vehicular communication the VANET plays a major role, for providing the effective communication between vehicles [1]. VANET is one of the sub category of the MANET, so its major operation is similar to MANET [2]. But in case of VANET, the nodes or Vehicle move on a specific path, instead of random path as in MANET [3]. The VANET is penetrated to provide communication between vehicles, these communication data includes safety alert or traffic information [4]. In road safety and traffic management, the vehicles are

- ❖ **Ms.Krishnaprathibha S.R** Published a paper entitled “**Deblurring and Saliency Detection In Compressed Domain**” in GIS Science Journal Volume 10, Issue 4, April 2023.



**Ms.Krishnaprathibha S.R**  
**Assistant Professor,Dept.of.ECE**

❖ **FDP/TRAINING PROGRAMS**

- ❖ **Sargunan.K** (Assoc.Prof-CE) completed an NPTEL course on "Basic Construction Materials" in Jan-April 2023 session conducted by IIT Madras.



**Elite**

**NPTEL Online Certification**

(Funded by the MoE, Govt. of India)

This certificate is awarded to  
**SARGUNAN K**  
for successfully completing the course

**Basic Construction Materials**

with a consolidated score of **78** %

Online Assignments	25/25	Proctored Exam	52.56/75
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Total number of candidates certified in this course: **799**





**Prof. Devendra Jalilhal**  
Chairperson,  
Centre for Outreach and Digital Education, IITM

**Jan-Apr 2023**  
(12 week course)



**Prof. Andrew Thangaraj**  
NPTEL, Coordinator  
IIT Madras



Indian Institute of Technology Madras



Roll No: NPTEL23CE18S64571267

To validate the certificate



No. of credits recommended: 3 or 4

- ❖ **Ms.Divya M K , Ms.Anaya Anson , Ms.Ashly K John, Ms.Jisha Raj T and Ms.Rejin Moncy A (Assistant Professor,CSE) attended IP Awareness/Training program under National Intellectual Property Awareness Mission on 05/05/2023.**







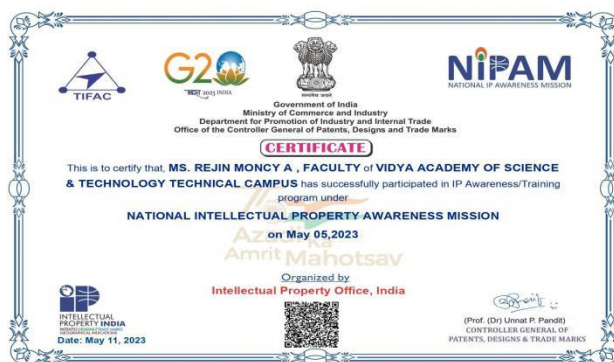
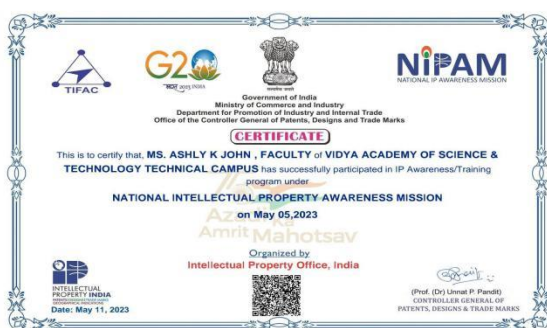
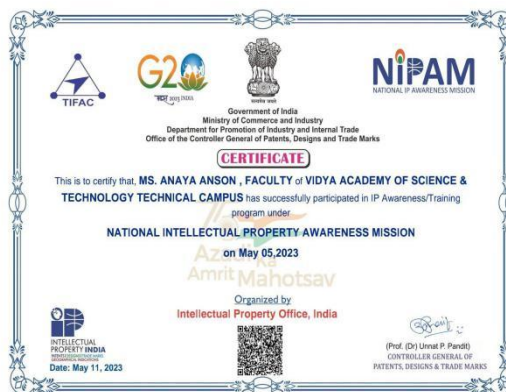
**Ms.Divya M K**

**Ms.Anaya Anson**

**Ms.Ashly K John**

**Ms.Jisha Raj T**

**Ms.Rejin Moncy**



❖ **Aswani S (Assistant Professor, ECE), Niraja j Shenoy (Assistant Professor, ECE), Bhavya v (Assistant Professor, ECE), Dhanya S (Assistant Professor, ECE), Abha M L (Assistant Professor, ECE), Krishnaprathibha S R (Assistant Professor, ECE), and Soumya babu S (Assistant Professor, ECE),** attended a Three day Faculty Development Programme on “**Basics of Verilog and Python for Engineers**”, organized by the Department of Electronics and Communication Engineering, NSS College of Engineering, Palakkad in association with ISTE Palakkad chapter from **15<sup>th</sup> may 2023 to 17<sup>th</sup> may 2023.**





**Ms. Niraja J Shenoy**



**Ms. Bhavya V**



**Ms. Aswani S**



**Ms. Dhanya S**



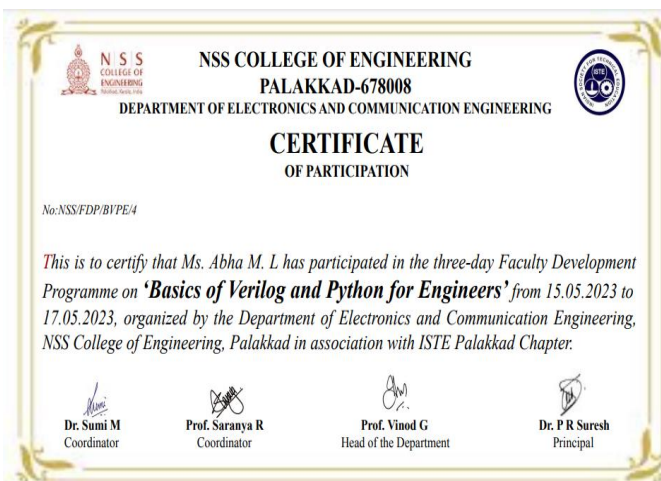
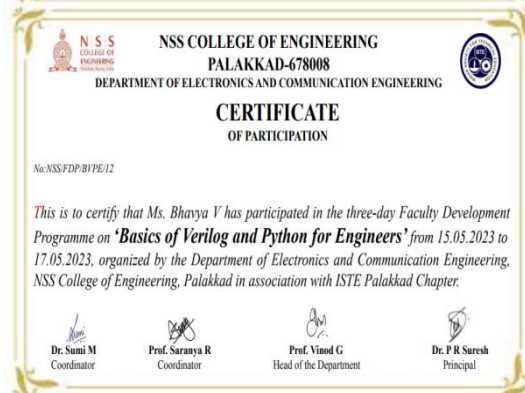
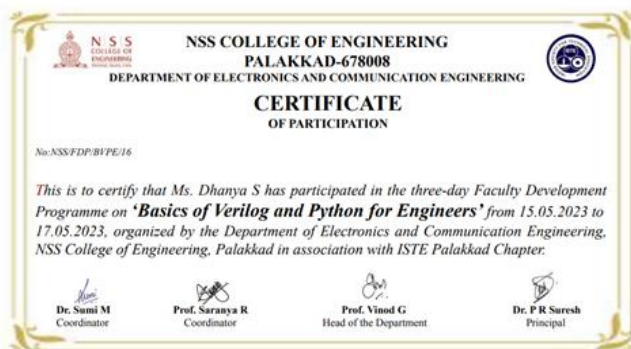
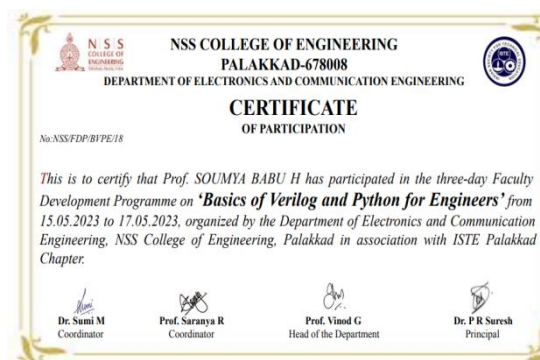
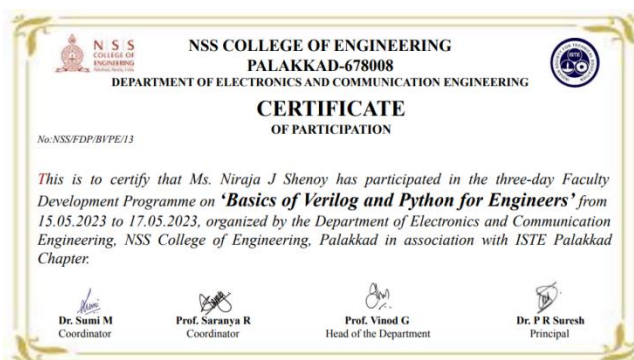
**Ms. Krishnaprathibha S R**



**Ms. Abha M L**



**Ms. Soumya Babu H**





- ❖ **Ms.Bhavya V, Ms.Krishnaprathibha S.R, and Ms.Dhanya S (Assistant Professor, ECE)** attended IP Awareness/ Training program under National Intellectual Property Awareness Mission on **05/05/2023**.



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## SUGGESTIONS & SUPPORT

We value your suggestions for improvement. For contact or assistance on related matters please send us an email to [wednesdaynews@vidyatcklmr.ac.in](mailto:wednesdaynews@vidyatcklmr.ac.in). We shall get back to you at the earliest.

**Wednesday News Team**