

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:139 1st October to 31st October 2022

❖ EVENTS/TALKS/SEMINARS/CONFERENCES

❖ INTERNATIONAL FDP ON PRODUCTIVE SCIENTIFIC DISCOURSE

Vidya Academy of Science and Technology Technical Campus Kilimanoor hosted the first International Faculty Development Programme on Productive Scientific Discourse organized by the Department of Applied Science VAST TC from 10th to 14th October 2022 Via the online Platform Google Meet under the guidance of Dr.Jayanthi.L.S (HoD, Applied Science) who is the backbone of the Applied Science Department .118 Participants registered the program and 86 participants participated in the program. FDP aims to discuss recent advances in the area of Applied Science. Further, it provides a platform for young faculty members, researchers, and students to upgrade their research knowledge and interact with experienced researchers. This International FDP will bring together great people who have excelled in various fields of Applied sciences. Ms. Vigitha Vidyadhar (Asst. Prof-AS) was the coordinator of the event. Ms.AnchuE.S(Asst.Prof-AS), Ms.Mariyam Beevi (Asst.Prof-AS). Ms.GouriL.R (Asst.Prof-AS),Ms.Adithya G.S(Asst. Prof-AS). Sharaf(Asst. Prof-AS), Mr.Dinesh Kumar(Asst. Prof-AS), and Mr.Saju Kumar (Lab Instructor-AS) are the Conveners of the Program.

Day 1

On 10th October 2022, during the technical Session, Dr. Suliadi Firdaus bin Sufahani was the resource person. The session started at 11.55 am with the Introductory speech by Ms.Anchu E.S (Asst Prof- AS). The Welcome Address was given by our principal Dr.T .Mathavaraj Ravikumar. Speaker used the optimization technique to study the nutritional needs of students between the ages of 13 and 18. Malaysian students were selected. The amount of minerals required and the

benefits of the Malaysian government were included. Cost analysis and outreach were also included. It was pointed out as a global problem, and a solution was proposed for it. The Vote of thanks was delivered by **Mr.Dinesh Kumar(Asst. Prof-AS)**.

Day 2

On 11th October 2022, Dr.K.P. Uma, a Professor at Hindustan University, handled the technical session. The session started at 11.55 am with the Introductory speech by Ms.Gouri .L.R (Asst Prof-AS). The lecture topic was R programming. R is a programming language and software environment for statistical analysis, graphics representation, and reporting. R has local communities worldwide for users to network, share ideas, and learn. It describes how to do elementary operations in mathematics using R programming and covers sequence finding and matrix theory. The Vote of thanks was delivered by Ms.Vigitha Vidyadhar (Asst. Prof-AS).

Day 3

On 12th October 2022, a technical session was handled by Dr. R Anantha Krishnan, Consultant Scientist in Chemistry, IIT, Dhanbad. The topic title was" Research in Chemistry and its Industrial importance." The session started at 11.45 am with the welcome speech of Ms. Vigitha Vidyadhar (Asst Prof- AS). Dr. R Anantha Krishnan justified his topic title by explaining various examples in this present scenario. Then he focused on his potential area, Natural Product Chemistry, and explained different instrumentation techniques such as Chromatography, spectroscopy, etc. He also mentioned the relevance of Dermatology research with familiar and thought-provoking images. He also emphasized the importance of women's empowerment through outreach programmes in society. The participants developed the ability to transcend from the subject knowledge to the applications of Engineering Chemistry in real-life situations. The Vote of thanks, proposed by Ms. Anchu E S (Asst. Prof-AS).

Day 4

On 13th October 2022, a technical session was handled by Dr. Syed Zuhaib Haider Rizvi, Senior lecturer, Dept. of Physics and Chemistry, Faculty of Applied Sciences and Technology (FAST), Universiti Tun Hussein Onn Malaysia(UTHM). The welcome address was delivered by the Director Brig. K S Shaji. The introductory speech was delivered by Mr.Dinesh Kumar (Asst. Prof-AS). The lecture topic was 'LASER-INDUCED PLASMA'- A laser is focussed on forming a plasma beam. This plasma is used to analyse the composition of samples under study. Even though we know other

spectroscopic technologies, Laser-induced breakdown technology is very sensitive and within the specified limit. In the session, various quantitative and qualitative analyses like elemental mapping and depth profiling were discussed. This spectroscopic technique is beneficial in remote areas where the sample/ target is in an inaccessible site or tiny. The FDP was concluded after an interactive session with participants. The Feedback from the session was overwhelming.

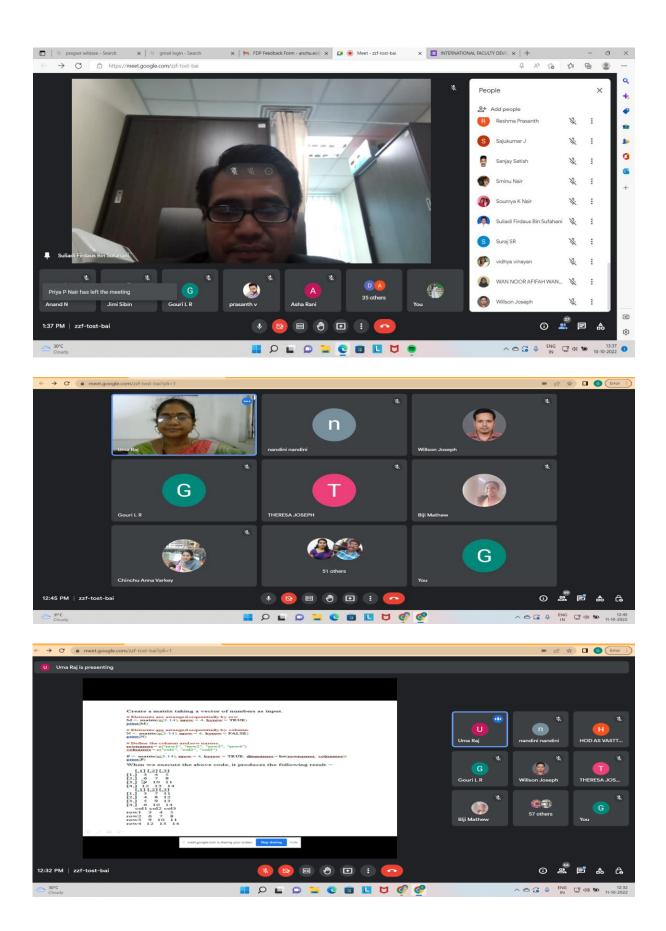
Day 5

On 14th October 2022, the last session was handled by Dr. Rajesh R, Assistant Professor in Economics, KSMDB College, Sasthamkotta Kerala; his presentation was on the topic "India's Journey Towards a \$5 Trillion Economy: Economic Outlook, Prospects, and Policy Challenges. The session started at 11.45 am with the welcome speech of Ms. Adhithya G S (Asst. Prof. AS). Dr. Rajesh R pointed out India's democratic position, current GDP position of India with a comparison of the world economy, sectoral contributions to GDP, why service sector contributes more to GDP and why the employment opportunities are less in the service sector, etc. He also gave information about new trends in our Economy, like; among BRIC countries. India has a high workingage population, and the UN projection is to raise India's urbanization rate; China uses 64% of E-Commerce platforms, and only 14% of Indians use E-Commerce platforms. He gave insight into India's current position to achieve the goal of a \$5 Trillion Economy. The vote of thanks, proposed by Ms. Najitha Sharaf (Asst. Prof. As)

The sessions were very informative and interesting. All participants enjoyed the session very well. With the cooperation of the faculty members from the Applied Science Department, the FDP could record the participants' feedback. A total of 86 participants participated and responded with positive feedback.

Screenshots of the event





Certificate Sample



SECOUP TUTOR SYSTEM

Vidya Student Support Cell (VSSC) is a forum, initiated by the management, to provide additional academic as well as emotional support to needy students. To equip the faculty members to effectively counsel students, this academic year VSSC conducted a session on "Group Tutor System" for those who have less than three years' experience and have not attended this session by VSSC yet. Twenty-Three faculty members were identified and the session was conducted at Mechanical Seminar Hall, VAST TC on 12/10/2022 from 2:20PM to 03:10 PM.

> PROGRAM OBJECTIVES

- To introduce VSSC to newly joined faculty members.
- To familiar the functioning of VSSC.
- To explain Group Tutor system.
- Explain the detailed guidelines to Group Tutors.
- Discuss Counselling process and purpose.
- Importance of VSSC in student academics and personal growth

> RESOURCE PERSON and PARTICIPANTS

Ms. Sreejitha S.G, Chief Coordinator VSSC, handled the session. Nineteen faculty members from various departments attended the session.

> SESSION DETAILS.

- The session for newly joined faculty members started at 2:20PM on 12th October 2022 at Seminar hall. The chief coordinator, VSSC handled the session in which nineteen faculty members attended. It started with a general introduction about VSSC and its activities. Then introduced the Group tutor system whereby a group of twenty-two students are put under the patronage of a faculty member designated as the 'group tutor'.
- ❖ After which the functioning of VSSC was described with the help of a flow chart.
- ❖ Covered Primary responsibilities of Group Tutor, Report maintaining, submission of monthly report to Department coordinator, attention to students who has academic deviation.
- ❖ Intention and frequency of PTA meeting were discussed. General Functions of VSSC also explained.
- ❖ Introduced different department coordinators to whom each group tutor must submit the monthly report.

Branch	Coordinator
CE	Ms. Midhila M.
CSE	Ms. Beena V.R.
ME	Mr. Midhun S.S.
ECE	Ms. Sreejitha S.G.
EEE	Ms. Vrinda Prasad

Guidelines to Group Tutor was explained

- Group Tutors should closely monitor the regularity & performance of every student under him/her.
- Group Tutors should keep a file to record the continuous evaluation (academic as well as personal details) for each student under him/her.
- Group Tutors to meet every student personally once in two weeks and to update his\her status regularly.

- Group Tutors to meet every student after the publication of result (series test or university result) and counselling report to be made accordingly.
- Case of deviation of academic performance/ Shortages of attendance should be given special attention and to be brought to the notice of parents and VSSC coordinator.
- After series test those who require academic support are to be listed and action to be taken for remedial classes.
- After first & second series PTA meetings to be conducted for each class. Appreciation for toppers in series examinations to be done during PTA meeting.
- Students with three or more subject's failures should be given special counselling classes by the tutor or by the Counsellor as per the requirement.
- Group Tutors can meet the counsellor personally if they require any assistance while interacting with the students.
- Group Tutors of respective Classes should meet monthly.
- Monthly counseling report (soft copy) by Group Tutors to be submitted to Dept. VSSC coordinator as well as to the concerned HoDs.
- The Dept. Coordinators should submit the report to VSSC Chief Coordinator.
- The VSSC Chief coordinator to submit the final report to the Principal.

> PROGRAM OUTCOMES

- The functioning of VSSC and Group Tutor system made clear.
- Faculty members understood the role of group tutor in mentoring students under his/her tutorship.
- Understood the importance of record keeping and meeting report submission.
- Understood activities of VSSC during and after Series Test, University examination and guidelines to group tutor.
- Faculty members understood the importance of counseling students and parents to identify the issues and how to support them.

Faculty members found this session to be useful as many of them are fresher to this career. Being a tutor, this session gave them a support and guidance to handle students. Some of them had doubts regarding "How and when to meet students", "How to record meeting details", "Records and confidentiality",

"How to identify cases need special counselling", "No. of sittings for a student", "Is it mandatory for a tutor to meet counsellor" and these were cleared during the session.

GLIMPSES OF THE SESSION

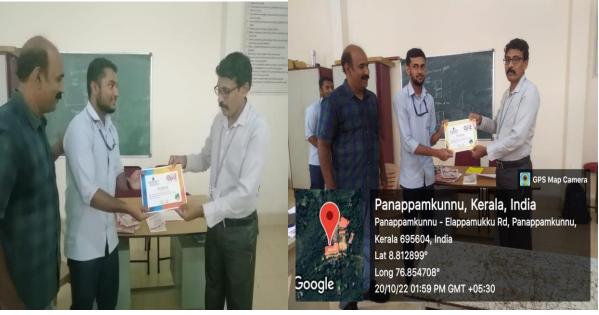




❖ Power Quiz 2022

The Department of Electrical & Electronics Engineering in association with KSEB organized Power Quiz 22 on 20th October 2022. About 50 students from all departments participated in the Quiz. Among these Ajmal Syed (S7 EEE) and Ansal (S7 EEE) got the first and Second position respectively.





***** TRAINING SESSION ON MACHINE TOOLS

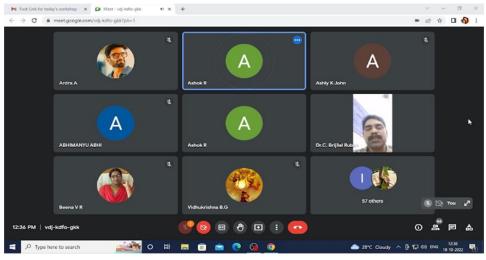
The Mechanical Engineering department conducted a practical session on various machine tools for students who opted for machine tool engineering as a minor. The session was arranged at the Machine Tool Lab of the department on the 14th of October 2022. Mr Arun K L (Asst.prof – ME) and Mr Unnikrishnan V S (TI ME) department took the session for fifth-semester electronics and electrical students. The training session has given an overall idea about the various machining operations and the tools used for the same.

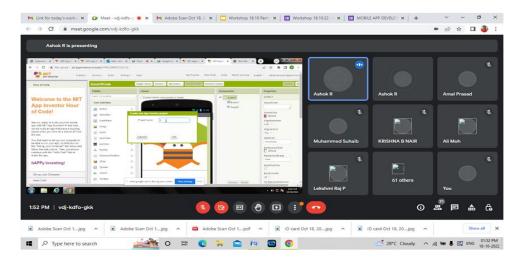


❖ VIRTUAL WORKSHOP ON MOBILE APP DEVELOPMENT

The Department of Computer Science and Engineering, VAST TC organized a one day Virtual Workshop on Mobile App Development on 18th October 2022. The resource person of the event was Mr.R.Ashok Assistant Professor, Kamaraj College of Engineering and Technology. The event was coordinated by Ms.Beena V R(Asst. Prof-CSE. Total of 71 students of S5 CSE and S7CSE participated in the workshop and got very positive responses through the feedback forms provided. The event was structured in 2 sessions, followed by Q&A session and the feedback was collected from all students.











***** FORMATION OF ALUMNI ASSOCIATION

The Alumni Association of our College, "Association of Vidya Alumni Kilimanoor (AVAK)" was registered under Travancore-Cochin Literary, Scientific and Charitable Societies Registration Act, 1955 (Act XII). The Association Executive Members are:

Members	Roles
Dr. T. Mathavaraj Ravikumar (Principal)	PRESIDENT
Ms. Anjana N (Asst Prof ECE)	VICE PRESIDENT
Mr. Harikrishnan R S	VICE PRESIDENT
Mr. Jai Kiran C.J	SECRETARY
Mr. Akhil K Uday	TREASURER

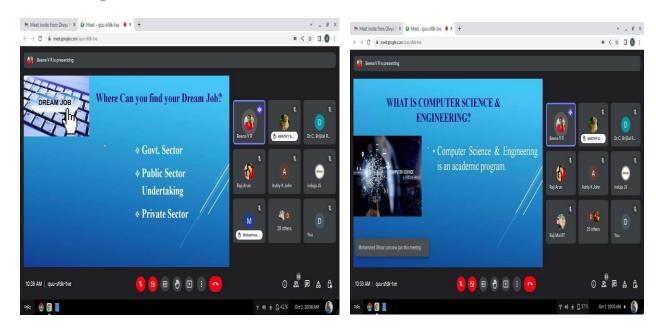
Ms. Anaswara J	JOINT SECRETARY
Mr. Prabhudev P.S	EXECUTIVE MEMBER
Mr. Amor Shyli	EXECUTIVE MEMBER
Mr. Ashik S	EXECUTIVE MEMBER
Mr. Amor Shyli	EXECUTIVE MEMBER
Mr. Sony T Nair	EXECUTIVE MEMBER
Mr. Sumith S	EXECUTIVE MEMBER
Mr. Abhijith V.A	EXECUTIVE MEMBER
Mr. Sharon R S	EXECUTIVE MEMBER
Ms. Krishnapriya J	EXECUTIVE MEMBER
Ms. Shahina S.R	EXECUTIVE MEMBER

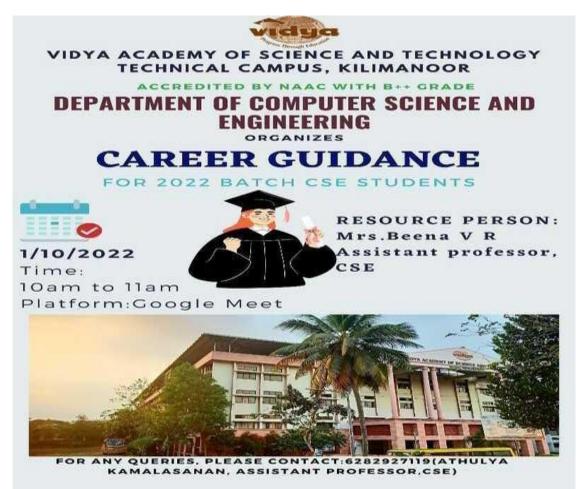


❖ WEBINAR ON "CAREER GUIDANCE"

The department of Computer Science and Engineering of VAST TC conducted a webinar on "Career Guidance" to 2022-2026 batch CSE students on 1st October 2022 from 10:00AM to 11:00 AM. The Resource person of this event was Ms.Beena V R, Assistant Professor, Dept. of Computer Science and Engineering, VAST TC. The webinar started at 10:00 AM with a Welcome speech by Divya M K, Assistant Professor, CSE, VAST TC. Dr. C Brijilal Ruban, HoD CSE was invited to render the inaugural address. After the inaugural address the session was handed over to the resource person. The resource person explained about the possibilities of Job opportunities for CSE graduates in various areas. This highly informative webinar was coordinated by Ms Divya M K (Asst.Prof- CSE) and was well attended by the faculties and students. The session concluded at 11:30 AM.

Event Glimpses



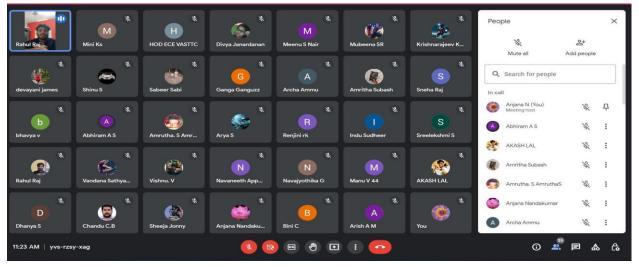


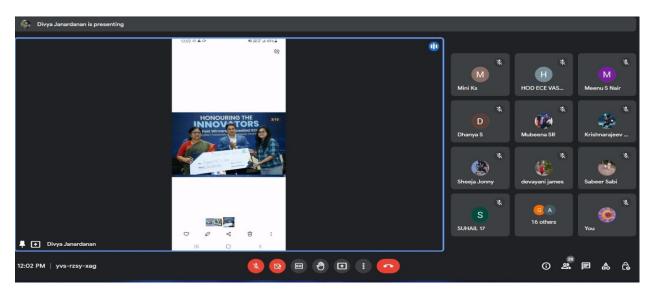
❖ ALUMNI TALK FOR 1st YEAR ECE STUDENTS

The Department of Electronics and Communication Engineering organized an ALUMNI TALK on 2nd October 2022 from 11 AM to 12 noon in Google Meet. The event was for the 2022 admitted students in the Electronics and Communication Engineering Department. It was coordinated by Ms. Anjana N and Ms. Meenu S Nair, Assistant Professors in ECE. The speakers of the event were Mr. Rahul Raj R (2015-2019 Batch ECE) and Ms. Divyamol M J (2017-2021 Batch ECE) students who got placements in Allianz Technology and Ecesis Technologies respectively.Dr. Neethuraj R., HoD ECE, Ms. Anjana N, Ms. Sreejitha S. G, Mr. Chandu C B, Ms. Niraja J Shenoy, Ms Aswani S, Ms. Dhanya S, Ms Bhavya V and Ms. Meenu S Nair Assistant Professors in ECE were also present.

The session started with the introduction of alumni to the new students by **Dr. Neethu Raj R.**, HoD. Mr. Rahul Raj R initiated the alumni talk by sharing his journey at Vidya. He described the massive opportunities of B.Tech other than any degree. He explained about his industrial visit experiences and the help of teachers to achieve his goals. He brushed up the trending fields of electronics in both hardware and software areas.Ms. Divyamol M J shared her achievement of submitting the paper 'IOT based Smart Agriculture Monitoring and Alerting system' in National Conference RTEECT-2K21. She explained about the support and the facilities the team received from the department towards the completion of the project. Ms. Divyamol shared the experience of receiving the IDEA Grant of 2 Lakh rupees from Honorable Minister of Higher Education Social Justice Smt. R. Bindu. Ms. Divyamol had received great support and encouragement from ECE Department towards her work and the journey, which ultimately helped her in achieving the goal. She recollected and shared those with the students. Many of them admired her achievement in the interactive session too. She thanked the teachers for their encouragement and blessings. The session ended with a question - answer and feedback session. The students raised doubts regarding the exam and the job opportunities they can get after B.Tech. All the doubts were cleared by our alumnus with ease. A total of 33 students participated in the whole event. They also suggested more events in the coming days. The session concluded with appreciating our alumni for finding time to share their experience without any hesitation and thanking all the students and teachers for being the active audience. The session ended at 12 noon. The poster for the event and the screenshots are attached below:

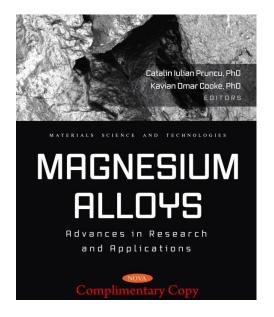






> STAFF ACHIEVEMENT

➤ Dr. Unnikrishnan M A (Asst.Prof-ME) had published a chapter named "Recent developments in Friction Stir Welding of Similar and Dissimilar Magnesium alloys "in the book "Magnesium alloys: Advances in research and Applications, Nova Science publishers Inc,USA. (page no 95 – 125)





- → The following staff members of the **Department of ECE** participated in the **International FDP on Productive Scientific Discourse** organized by the Department of Applied Science, Vidya Academy of Science and Technology Technical Campus Kilimanoor from 10th October 2022 to 14th October 2022.
 - ❖ Dr. Neethu Raj R
 - **❖** Ms. Anjana N
 - **❖** Ms. Sreejitha S.G
 - **❖** Mr. Chandu C.B
 - **❖** Ms. Niraja J Shenoy
 - **❖** Ms. Ms. Aswani S
 - **❖** Ms. Bhavya V
 - **❖** Ms. Dhanya S







VIDYA ACADEMY OF SCIENCE AND TECHNOLOGY TECHNICAL CAMPUS, KILIMANOOR

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CERTIFICATE OF PARTICIPATION

This is to certify that Dr.NEETHU RAJ R, Associate Professor from Vidya Academy of Science and Technology Technical Campus has participated in an International Faculty Development Programme on Productive Scientific Discourse Organized by the Department of Applied Science, Vidya Academy of Science and Technology, Technical Campus, Kilimapoor from 10th to 14th October 2022.













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CERTIFICATE OF PARTICIPATION

This is to certify that Ms. ANJANA N, Assistant Professor from Vidya Academy of Science and Technology, Kilimanoor has participated in an International Faculty Development Programme on Productive Scientific Discourse Organized by the Department of Applied Science, Vidya Academy of Science and Technology, Technical Campus, Kilimanoor from 10th to 14th October 2022















(A Unit of Vidya International Charitable Trust)

CERTIFICATE OF PARTICIPATION

This is to certify that Ms. SREEJITHA S G, Assistant Professor from Vidya Academy of Science and Technology Technical Campus, Kilimanoor has participated in an International Faculty Development Programme on Productive Scientific Discourse Organized by the Department of Applied Science, Vidya Academy of Science and Technology Technical Campus, Kilimanoor from 10th to 14th October 2022.













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CERTIFICATE OF PARTICIPATION

This is to certify that Mr. CHANDU C B, Assistant Professor from Vidya Academy of Science and Technology Technical Campus, Kilimanoor has participated in an International Faculty Development Programme on Productive Scientific Discourse Organized by the Department of Applied Science, Vidya Academy of Science and Technology Technical Campus, Kilimanoor from 10th to 14th October 2022.













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CERTIFICATE OF PARTICIPATION

This is to certify that Ms.NIRAJA J SHENOY, Assistant Professor from Vidya Academy of Science and Technology, Kilimanoor has participated in an International Faculty Development Programme on Productive Scientific Discourse Organized by the Department of Applied Science, Vidya Academy of Science and Technology Technical Campus, Kilimagoor from 10th to 14th October 2022.











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CERTIFICATE OF PARTICIPATION

This is to certify that Ms. ASWANI S, Assistant Professor from VAST TC has participated in an International Faculty Development Programme on Productive Scientific Discourse Organized by the Department of Applied Science, Vidya Academy of Science and Technology Technical Campus, Kilimanoor from 10th to 14th October 2022.













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CERTIFICATE OF PARTICIPATION

This is to certify that Ms. BHAVYA V, Assistant Professor from Vidya Institute of Science and Technology Technical Campus, Kilimanoor has participated in an International Faculty Development Programme on Productive Scientific Discourse Organized by the Department of Applied Science, Vidya Academy of Science and Technology Technical Campus, Kilimanoor from 10th to 14th October 2022.













VIDYA ACADEMY OF SCIENCE AND TECHNOLOGY TECHNICAL CAMPUS, KILIMANOOR

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CERTIFICATE OF PARTICIPATION

This is to certify that Ms.Dhanya S , Assistant Professor from Vidya Academy of Science and Technology has participated in an International Faculty Development Programme on Productive Scientific Discourse Organized by the Department of Applied Science, Vidya Academy of Science and Technology Technical Campus, Kilimanoor from 10th 10th October 2022.





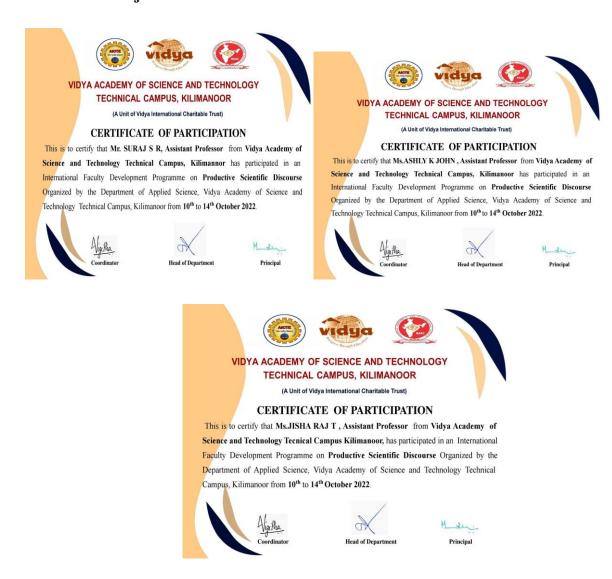


❖ The following staff members of the Department of CSE participated in the International FDP on Productive Scientific Discourse organized by the Department of Applied Science, Vidya Academy of Science and Technology Technical Campus Kilimanoor from 10th October 2022 to 14th October 2022.

. Mr. Suraj S R

Ms.Ashly K John

Ms.Jisha Raj T



→ Ms. ANCHU E S (Asst. Professor in Chemistry, Dept. of Applied Science) attended a five-day online faculty development programme on "Insights on Emerging Research in Chemical

Science"(IERCS-2022) Organised by the school of chemical sciences (Chemistry) during 10th -14th October 2022.



- * STUDENTS ACHIEVEMENT
- * PLACEMENT
- ➤ Abhijith. O (S7 ECE) (2019-23 Batch ECE) got placed in Tata Consultancy Services (TCS) as Assistant System Engineer.



Jerin Joseph Sebestian (S7 ECE) 2017-21 Batch attended online conference- AWSOME DAY from AWS



➤ Aghosh A, Azifali Z,Saikrishna,Pranav P,Haleema S,Anandhu Santhosh,Reenu Joy,Wazin Ajmal,Noel Biju John,Gouri Sankari A S,Abdul Razaq A,Krishnanath S,Muhammad Favas S,Sreerag A,Parikshit S,Apsara R,Chinchu Lekshmi U,Gouthami C G,Gouri C G,Adithyan A R,Aswathy A SAparna A R,(S3 CSE) students completed Online Course in UDEMY.





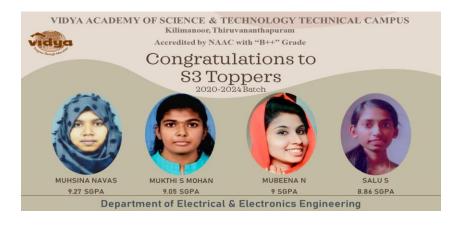
→ Binsa Fathima N (S3 ECE) completed the online course on "Introduction to cyber security" powered by SkillUP by Simplilearn



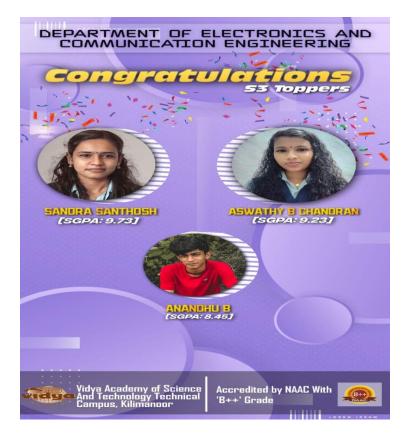
- → S3 KTU RESULTS (2020 24 BATCH)
- → CIVIL ENGINEERING



ELECTRICAL AND ELECTRONICS ENGINEERING



> ELECTRONICS AND COMMUNICATION ENGINEERING



> COMPUTER SCIENCE AND ENGINEERING



MECHANICAL ENGINEERING



CONTRIBUTORS TO THIS EDITION

Dr. T. Mathavaraj Ravikumar (Principal), Ms Anjana. N. (Asst.Prof-ECE), Ms Rini Madhavan Rajeev (Asst.Prof-CE), Mr. Unnikrishnan M A (Asst.Prof-ME), Ms.Krishna (Asst. Prof-CSE), Ms.Indhulekha Jayachandran(Asst.Prof-EEE), Ms. VigithaVidyadhar (Asst.Prof-AS), Ms.Aswathy S., PA to Principal.

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. We shall get back to you at the earliest.

Wednesday News Team