



**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.137 1<sup>st</sup> August to 31st August, 2022*

❖ **EVENTS/TALKS/SEMINARS/CONFERENCES**

❖ **VIRTUAL NODAL CENTER**

**Vidya Academy of Science and Technology Technical Campus, Kilimanoor** has been recognized as an active Nodal Center of Virtual Labs, **National Institute of Technology Karnataka, Surathkal**, under the National Mission of Education through Information and Communication Technology during the period of **9-07-2022 - 31-12-2022** to create and propagate quality resources for virtual experiential learning in Engineering and Sciences.



### ❖ AUTODESK FUSION 360

The Department of Mechanical Engineering signed MOU with ASAP Kerala to provide value added courses to our students. As a part of CCE VAST TC (ME) a course on **Autodesk fusion 360** will be provided to 34 students of S6 and S4 combined. Date of Agreement: **15-07-2022**



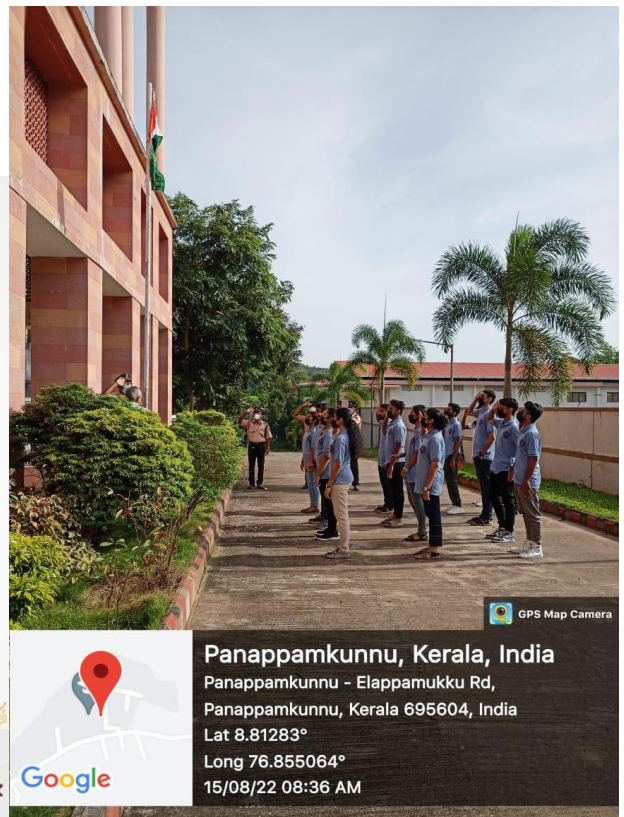
### ❖ Industry Academy Collaboration Program



To develop the skill of our younger generation and as a part of Industry Academy Collaboration Program, the **Department of CSE, VASTTC** signed MOU with **Kompetenzen Technologies OPC Pvt. Ltd.** The goal of this collaboration is to offer training in Full Stack Java for S4 and S6 CSE students.

### ❖ **NSS ACTIVITIES**

The NSS Unit at VAST TC celebrated the 76th Independence Day on 15th August, 2022 with **Prof. K. Vijayakumar (HOD - CE) hoisting the national flag inside the college campus at 8:30 a.m.** The event was **witnessed by 16 NSS volunteers** and other staff members. This was followed by the volunteers preparing paintings at the college lobby, from 9:15 a. m. to 10:15 a. m., to present to the students of the Anganawadi at Panappamkunnu. The volunteers spent an hour with the students and gifted them the paintings. The volunteers left the Anganawadi at 11: 30 a.m. **The entire set of events were organized by the volunteer secretaries Mr. Subheeshdev (S6 ECE) and Mr. Vaishnav (S6 ME).**







### ❖ **SESSION ON SEMICONDUCTORS: SHAPING DAY TO DAY LIFE**

The Department of Electronics and Communication Engineering conducted the online webinar on “Semiconductors: Shaping Day to Day Life” for the newly joined batch (2022-2026) Electronics students. Ms. Sreejitha S G, and Ms. Niraja J. Shenoy (Asst.Prof-E CE) coordinated the program under the guidance of Head of the Department, Dr. Neethu Raj R..The session started with an introduction by Ms. Niraja J. Shenoy (Asst.Prof- ECE). Brig (Rtd.) K.S. Shaji Director, VAST TC, introduced the resource person.Dr. Sandeep Saseendran, Semiconductor Technologist at IMEC, Belgium delivered the lecture. Forty seven participants attended the webinar. The resource person holding Doctor of Philosophy is Silicon photonics process integration engineer. He worked at Indian Institute of Technology, Bombay as Researcher, Research Associate, Senior Research Assistant, and Teaching Associate in the department of Electrical and Electronics Engineering.

The Speaker of the Session Dr. Sandeep Saseendran presented the keynote address on “Semiconductors”. He discussed the basic concepts used in the technology relating with best suitable real life examples which are essential for the understanding of technology. He projected a

clear understanding of Micro LEDs, Covid diagnosis, Semiconductor in computing: Evolution, IMEC global collaboration platform, Manufacturing the advanced chipsets, Material exploration, and understanding the scales from day to day perspective. He inspired the audience by lively interacting on topics such as new trends in semiconductor development. He discussed entering a career in semiconductors. Also the feedback about the session was collected from all the participants to improve the sessions that will be conducted in the mere future.

**DEPARTMENT OF ELECTRONICS AND COMMUNICATION ENGINEERING**

**Webinar on:**

**SEMICONDUCTORS:  
SHAPING DAY TO DAY LIFE**

**16  
AUG  
Tuesday** | **Time:  
10AM**

**Dr Sandeep**  
Semiconductor Researcher at  
IMEC, Belgium

**SPEAKER**

**Coordinators:**  
Ms Sreejitha S.G  
(Asst.professor)  
98092 66546  
Ms Niraja .j.shenoy  
(Asst.professor)  
94975 09297

**Platform:**  
Google Meet

**Convener:**  
Dr.Neethu Raj R  
HoD, Dept of ECE  
9567355662

**VIDYA ACADEMY OF SCIENCE AND TECHNOLOGY**  
**TECHNICAL CAMPUS, KILIMANOOR**  
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## Glimpses of the session

meet.google.com/loz-zpkc-hgx

Sandeep SS is presenting

### Semiconductor in computing: Evolution

High level view

1950s	1960s	1970s	1980s	1990s	2000s	2010s
Silicon Transistor	TTL Quail Gate	8 bit Microprocessor	32 bit Microprocessor	32 bit Microprocessor	64 bit Microprocessor	3072 Core GPU
1 Transistor	16 Transistors	4500 Transistors	275,000 Transistors	3,190,000 Transistors	592,000,000 Transistors	8,690,000,000 Transistors

Evolution of technology has been facilitated by advances in:

- Material science
- Deeper understanding of underlying physics
- Process technology
- New architecture/device designs

imec

10:47 AM | loz-zpkc-hgx

Track Attendance

Participants: Vanamala M, AKASH LAL, Somes Banerjee, Navajyothika G, Billie Bru, Abhinav EC, Sandeep SS, 27 others, You.

meet.google.com/loz-zpkc-hgx

Sandeep SS is presenting

### imec global collaboration platform

USA: San Francisco / San Jose/Berkeley, USA: Orlando

The Netherlands: Wageningen/Rijnhuizen - OnePlanet Research Center, Leiden - Hight Centre

China: Shanghai, Taiwan: Hsinchu

Japan: Tokyo/Chiba

India: Bangalore

imec

Participants: Sandeep SS, HOD ECE VASTTC, Somes Banerjee, Vanamala M, You (Presentation), Director Vidya T..., 37 others, You.

People

Mute all, Add people

Search for people

In call:

- Niraja J Shenoy (You) - Meeting host
- Niraja J Shenoy - Your presentation
- Abhinav EC
- Abhiram A S
- Adwath Siru
- AKASH LAL

10:27 AM | loz-zpkc-hgx



## ❖ S8 KTU EXAM TOPPERS 2018-2022 BATCH

**VIDYA ACADEMY OF SCIENCE & TECHNOLOGY TECHNICAL CAMPUS, KILIMANOOR**  
**DEPARTMENT OF ELECTRICAL & ELECTRONICS ENGINEERING**

 *Congratulations .....*

 <b>Midhun T P</b> 9.25	 <b>Pooja S</b> 9.17		
 <b>Ram Prakash J D</b> 8.75	 <b>Naja N S</b> 8.58	 <b>Adithya S</b> 8.33	 <b>Remya R</b> 8.22

 **Vidya Academy of Science and Technology Technical Campus  
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**Department of Computer Science and Engineering**  
**S8 KTU Exam Toppers 2018-2022 Batch**

 <b>Avani B Nair</b> SGPA-9.17	 <b>Nimisha R S</b> SGPA- 9.08	 <b>Navaneeth P S</b> SGPA- 8.67
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## ❖ ACHIEVEMENTS OF FACULTY AND STAFF

Ms. Anjana.N (Asst. Prof- ECE) attended a 3 days online workshop on Thesis writing using LaTeX On 15th , 20th and 21st August 2022 conducted by Center of Excellence Signal Processing CMR Institute of Technology, Bengaluru.



### ❖ ACHIEVEMENTS BY STUDENTS

**Sophiya S ( S2 ECE)** completed the online course on “Python for Beginners” powered by SkillUP by Simplilearn



### 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.Indhulekha Jayachandran(Asst.Prof-EEE),Ms. Vigitha Vidyadhar (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.vasttc@vidyacklmr.ac.in](mailto:wednesdaynews.vasttc@vidyacklmr.ac.in). We shall get back to you at the earliest.

**Wednesday News Team**