VIDYA ACADEMY OF SCIENCE & TECHNOLOGY TECHNICAL CAMPUS
Kilimanoor, Thiruvananthapuram

"A Unit of Vidya International Charitable Trust"

ANNUAL REPORT 2020-21

Annual report on the activities of Vidya Academy of Science and Technology Technical Campus for the academic year 2020-21

- **Student Academic results**

KTU batch(2016-20) has graduated this year and has the graduate figure is as follows

Branch	Year	Total Students appeared	No of students Graduated
CE	2016-20	67	15
ME	2016-20	45	14
ECE	2016-20	32	14
EEE	2016-20	40	26

- Sunisha S., of S8 ECE has secured 9.18 CGPA and Jiji Chandran and Sreethu P R of S8 ECE (2016-20 batch) has secured 10/10 SGPA in S8 KTU Results.
- 11 students of S8 EEE (2016-20 batch) has secured 10/10 SGPA in S8 KTU Results.

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Admission 2020-21

Total of 234 students were admitted in the year 2020-21. The branch wise figure is as:

Programme name	Number of seats sanctioned	Number of Students admitted
B.Tech. Computer Science and Engineering	60	53
B.Tech. Electrical and Electronics Engineering	60	43
B.Tech. Electronics and Communication and Engineering	60	42
B.Tech. Mechanical Engineering	60	39
B.Tech. Civil Engineering	60	57

I would like express my sincere appreciation and gratitude to all Trustees, Management, all Staff members and PTA for their support and involvement in the admission process.

An induction program for the first year students was organised from 11th to 27th of November 2020 through online mode, google meet and zoom due to the Covid 19 pandemic. Eminent personalities from different areas along with our teachers handled the sessions. Students overwhelmingly rated the course as very enjoyable, stimulating class and strongly endorsed the teachers providing supportive and friendly atmosphere. They highly rated sessions as well-organised that include professional speakers, motivational videos, theme skit, soft skills, product design, puzzles /games, posters/sculptures/models, yoga. 192 students attended the program.

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- **Major Events/Activities**

The Department of Civil Engineering organized a workshop on "FUSION 360" on 2nd June 2021 at 10 am. The session was handled by Mr. Vishnu Murukan. Civil Engineering department conducted a webinar on **"3D Architectural Design Trends"** for Diploma and Degree civil engineering students.The Department of Civil Engineering conducted an online technical webinar on '**Journey through Concrete**' for final year students of our college on 12th June, 2021. A total of 42 participants including students and faculty members attended the webinar. The session was handled by **Mr. Shyju Nair**, CEO of DH Academy. The webinar was conducted on 30/06/2020 from 4 P.M to 5 P.M. **Mr Jithin Lal M.P** (Senior Engineer, Business support, CADD Centre training services Pvt Ltd) was the resource person. Department of Civil engineering conducted webinar on **"Soaring Height as a Civil Engineer"** for Diploma and graduate students on June 17th 2020. Department of Civil engineering conducted webinar on **"Disruptive Civil Engineering"** for Diploma and Degree civil engineering students on July 10th 2020.The department of Electrical and Electronics Engineering successfully conducted their first International webinar on, **"Emerging Trends in Electric Vehicle"** on **26th July, 2020.**The department of Electrical and Electronics Engineering successfully conducted the International webinar series – "Career and Innovation" – for the second time on **29 July 2020** The department of Computer Science and Engineering, VAST TC, Kilimanoor organized an event **"Vidya Iconic"**- a Mashup of Talent and Technical events from **15th July to 28th July 2020.**The Department of Electronics and Communication Engineering conducted a webinar on IOT and its applications **on 12th July 2020.**The Department of Mechanical Engineering, Vidya Academy of Science and Technology Technical Campus, organized a webinar **on "CAREER ROAD MAP FOR MECHANICAL ENGINEERS on 15th July 2020.**The faculty members of the Department of Civil Engineering, organised an online technical webinar on **"Urban Architecture Using 3Ds max"**, which was presented by **Mr. Sudarshan R. Pillai, Manager,** Business Support, CADD Centre Training Services Pvt. Ltd., for diploma and degree students, on 24th July, 2020. The

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Department of Mechanical Engineering, as part of the orientation program organized an online workshop on **"Making of Hexacopter"** for the first year students on **22nd September, 2020.**The Department of CSE, VAST TC conducted an Online Webinar on **"Career Advancement Programme"** for final year polytechnic students on 15th March, 2021 from 7:00 pm to 7:45pm. The program was coordinated by Ms. Krishna L (Asst.Prof - CSE). The speaker of the event was Mr. Suraj S R (Career Mentor, Asst. Prof - CSE).The Department Association of Computer Science and Engineering, VAST TC – CODIAC conducted an Interactive session: **"TECHNOPHILIA",** for first year CSE students on 17th October , 2020 from 06:00 pm to 07:00 pm under the guidance of Ms. Divya Madhu(HoD in Charge - CSE). The speakers of the event were Ms. Maria Baby (Business Analyst at Qburst Technologies and Ms Anu S Alunkal (Associate Software Engineer at Virtusa Consultancy Services).The Department of Computer Science and Engineering conducted a webinar: **"BRIGHT TALK: CAREER AND SUCCESS STORIES",** for plus two and polytechnic graduates on 17th June, 2020 from 11:00 am to 12:00 pm. A Hands-on training on **Raspberry PI and IOT** was conducted for final year polytechnic students on 8th March 2021 and 9th March 2021 (in two phases) from 10.00 AM to 4.00 PM by the Department of ECE. An online workshop on **ARDUINO** was conducted for final year polytechnic students on 12/3/21 and 15/3/21 from 10.00 AM to 3.00 PM by the Dept. of ECE. The department of ECE organized a Webinar on **Career Opportunities in Electronics** at MGM Polytechnic College, Kilimanoor on 30/04/2021 at 3 PM via Google Meet. The webinar was handled by Ms. Anjana N. (Asst. Prof - ECE) and was coordinated by Ms. Niraja J. Shenoy (Asst. Prof - ECE). The Department of EEE organized a webinar on "Robotics - An Implementation Approach" in the online platform "Cisco Webex"on 11th June, 2020.The Department of Electrical and Electronics Engineering conducted a webinar on **"Importance of Electrical Designing in MEP Building Services"** on 5th August 2020 and was conducted in "Google Meet" online platform.The Department of EEE conducted a second online session on **"POWER ELECTRONICS"** for final year polytechnic students on 20th March, 2021 via Google meet. The department of Electrical &

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Electronics Engineering organized a webinar on **"Autonomous Robots: Planning, Motion & Control"** on June 5, 2020.The Department of EEE organized a One day workshop on **PCB Soldering** under TESLA, EEE Association, for 2nd year EEE students on 05-February-2020.he Department of Electrical and Electronics Engineering successfully conducted a webinar on **"PLC for Industrial Automation"** on 8th May, 2021. The Electrical and Electronics Department conducted a webinar on **MATLAB** for EEE students on 29/5/2021.The Electrical and Electronics Department conducted a webinar on **"Embedded System Design and Development"** for EEE students on 22/5/2021. Department of Mechanical Engineering organized an **"One day workshop on Automatic hand sanitizer dispenser"** for the first year students of the department on 4th September, 2020. Students were given an idea about how to make a low cost sanitizer dispenser at home.As part of the Technical Outreach Program, the Department of Mechanical Engineering conducted a **Career Advancement Program** for the final year Mechanical Engineering students of MGM Polytechnic College, Kilimanoor on 1st March, 2021.The Department of Mechanical Engineering conducted a webinar titled, **"POST DIPLOMA CAREER PROSPECTS"** on 20th June, 2020,

Apart from the mentioned events there are many more events conducted during this year.

- **NSS**

1. Organized a community program on 26/01/2021 in the Panchayat Bus stand, Kilimanoor.
2. NSS unit conducted a virtual and online 7 days camp "Navami 2021",
3. Webinar to create awareness against drug abuse, organized a debate competition on the topic "MERITS AND DEMERITS OF INTERNET", as part of the World Internet Day on 29th October, 2020,
4. Organized speech writing and an action song competition as part of Childrens' Day Celebrations on 14th November, 2020,,

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5. Organized a poetry writing competition on the topic "Nammude Keralam", as part of Kerala Piravi on 1st November, 2020.,

6. organized an activity named, 'YOUR COMMUNITY CLEAN UP DAY', on 2nd October, 2020, as part of the Gandhi Jayanti celebrations,

7. organized an activity named 'MAKE A HOLDING POSTER', in connection with The International Day for the Girl Child, on 11th October, 2020,

8. The NSS Unit of VASTTC and Nehru Yuva Kendra, Thiruvananthapuram, organized a block level webinar on 'NATIONAL EDUCATION POLICY 2020',

9. The NSS Unit of Vidya Academy of Science and Technology Technical Campus Kilimanoor conducted a Covid Vaccine Awareness Programme on 20th March 2021. We went to the neighbouring houses and educated them about the procedure and importance of Covid Vaccine.

- **Major achievements of Faculty and Staff Members**

    Mr. Muhammed Anshad P.Y Assistant Professor, Department of Electronics and Communication Engineering, was awarded with Degree of Doctor of Philosophy in Electronics and Communication Engineering under the Faculty of Electrical and Electronics Engineering by Noorul Islam Center for Higher Education. Title thesis is Automatic Segmentation of Chondroblastoma using X-ray images.

    Ms. Anjana N, Assistant Professor, Department of Electronics and Communication Engineering has enrolled as a Part Time Research Scholar at Amrita School of Engineering, Amritapuri Campus, Kollam. Area of research is VLSI Design

- **Major achievements of Students**

    Other notable achievements of our students are:

    - Pradipta Mukherjee student of Computer Science and Engineering(2017-21 batch) was chosen as campus ambassador for spring fest, IIT Kharagpur.

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- Shilpa Sunil student of Computer Science and Engineering (2017-21 batch) won second prize in power quiz 2019 conducted by KSEB Officers Association.

- Four students student of Computer Science and Engineering (2019-23 batch) Arun Nambi, Bibin,Devanand, Ullas attended IOT hackethon programme organized by wikitechy,Chennai and were selected as winners of this programme.

- Pradipta Mukherjee , Abhijith lal C , Thoufeeq M H, Amjad E R and Vignesh M of S6 CSE attended Spring fest Organized by IIT Kharagpur

- Students of **S4 CSE** (Abhayanath K, Ajas Muhammed, Nanditha Jyothi, Nimisha, Nayanthara, Renesh M Lal) got selected to the Final round of Kerala Hackathon organised by ASAP - Kerala.

- Mr.Abhiram AB Nair of S1EEE got silver medal in Triple Jump and High Jump in Reliance School athletics 2019-2020 held at Trivandrum

- Divyamol N.J, Jithesh Jayakumar, Abhijith V.A, Hareesh Kumar R, as a team become the qualifiers of "VAIGA AGRI HACK 2021" Grand Finale organized by Department of Agriculture Development and Farmers' Welfare, Government of Kerala held at St. Thomas College, Thrissur on 11 th to 13 th February 2021

- Pradipta Mukherjee of S7 CSE is placed at Infosys as Systems Engineer Specialist through coding completion #HackwithInfy, which is India-wide coding competition by Infosys for pre- final year engineering students. HackWithInfy comprises of three rounds with Round 1 & Round 2 as online tests and a Grand Finale with a 24-hour Hackathon at Infosys Pune. Pradipta Mukherjee has cleared the Round 1& 2 and got placed with annual package of 5 Lakhs per annum.

- Shahna S of S7 CSE is placed at one of the largest MNCs , Tata Consultancy Services as Assistant Systems Engineer with an annual package around 3.5 LPA. She received

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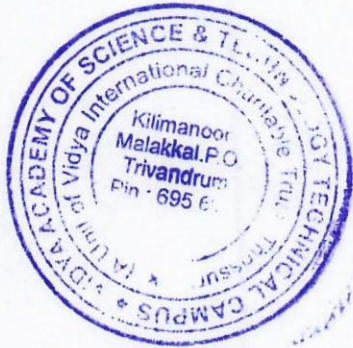this offer through TCS Ninja Interview, the off campus recruitment process (National Qualifier Test, followed by Interview) of TCS.

- A team of Mechanical Engineering students - **Vinay V A** (S7, ME), **Anandu A** (S7 ME), **Thoufeek NA** (S7 ME), **Ananthakrishnan P A**(S7 ME) and **Mohammed Arif** (S5 ME) bagged the first Place in the Healthcare category in the '**PROJECT PITCHING AND IDEATHON COMPETITION**', conducted by Innovation and Entrepreneurship Development Centre (IEDC), Vidya Academy of Science and Technology, Thrissur in collaboration with World's Largest Entrepreneurship Summit 2020 organized by 3GIRPS (HQ: IIT Madras Research Park) and Inida CEO Forum held from 18th to 20th December 2020.

- Aneesh T R of 2016-2020 EEE Batch student got selected in the TCS drive (National Qualifier Test) held on 23rd February 2021.

PRINCIPAL

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