



**VIDYA ACADEMY OF SCIENCE & TECHNOLOGY TECHNICAL CAMPUS –
Kilimanoor**

“A Unit of Vidya International Charitable Trust”

WEDNESDAY NEWS

Issue No.112 1st July to 31st July 2020

Events/Talks/Seminars/Conferences

❖ SOCIAL INITIATIVE PROGRAMME BY THE DEPARTMENT OF MECHANICAL ENGINEERING

The **Association of the Mechanical Engineering Department (ARMS)**, Vidya Academy of Science and Technology, Technical Campus, Kilimanoor donated a television on **26th July 2020** to school students (Govt. LP School, Panappamkunnu) from an underprivileged family residing at Enthanoor, Kilimanoor Grama Panchayat (around 3 km from college). The arrangement for cable connection and local support was provided by the librarian of our College- Mr. Vijayakumar N. (Alumni of Govt. LP School, Panappamkunnu). This activity was accomplished as a part of the social initiative programme by the Department Association. Due to the COVID-19 pandemic and subsequent order from the Kerala Govt. to conduct online classes, the students in this family were finding it hard to attend classes due to lack of television and cable connection. It was under such a crucial circumstance that the Department Association students- Sijo G Joy (Student Co-ordinator), Saeed (Association President), Anandhu M S (College Student Senate Chairman), Abhiram R Krishnan (Secretary) and Chanthu B M (NSS Volunteer Secretary) with the dauntless support from the Association faculty co-ordinators – **Mr. Robin David (AP, ME)** and **Mr. Nithin Mithra S (AP, ME)**, made it towards this exemplary initiative..





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The humanitarian deed shall also be a blessing for students living in nearby houses without electricity connection. The Principal of our College - Dr.T. MathavarajRavikumar and Mr.Bijeesh P (HoD in charge, ME) gave enduring support and guidance for successfully organizing the programme. Mr.Midhun SS (AP, ME), Mr.Arun Krishna (AP, PE), Nikhil (S6 ME), and Akhil Nanda (S6, ME) also came forward with their full-fledged co-operation. Sri. C UnnikrishnaKurup (PanappamkunnuJanatha Library) and Smt. T Geethanjali (Govt. LP School, Panappamkunnu) were also a part of this venture.

❖ AUTOMATIC SANITIZER DISPENSER

Mr.Vaishnav M S student of second semester Mechanical Engineering batch designed and made an **Automatic Sanitizer Dispenser**. The low cost device uses sensors to detect the presence of hand to dispense the sanitizer. The device was installed in the VAST TC campus and inaugurated by Principal Dr.T.Mathavaraj Ravikumar on **10th July, 2020**. The student was mentored by **Sreejith. S. Nair(Asst.Prof-ME)**



❖ WEBINAR ON 3D ARCHITECTURAL DESIGN TREND

The Department of Civil Engineering, organized an online Technical webinar on “3D Architectural Design Trends” which was presented by **Mr.JithinLal N.P.**, Senior Engineer,



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CADD Centre Training Services Pvt. Ltd., for diploma and degree students, on 30th June, 2020 from 4:00 p.m. to 5:00 p.m. E – certificates were awarded to all the 90 participants.



❖ WEBINAR ON “CAREER ROAD MAP FOR MECHANICAL ENGINEERS”

The Department of Mechanical Engineering, Vidya Academy of Science and Technology Technical Campus, organized a webinar on “**CAREER ROAD MAP FOR MECHANICAL ENGINEERS**”. The webinar intended to address the dramatic changes in the field of Mechanical Engineering and career opportunities for Mechanical Engineering graduates. The event was conducted in the Google Meet platform on **July 15, 2020 (Wednesday) from 10:00 AM to 12:00 PM IST**. The event was coordinated by **Mr. Robin**



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David (Asst.Prof- ME), Mr. Sreejith S Nair (Asst.Prof- ME) and Mr. Ajeesh A (Asst.Prof- ME). The resource person for the webinar was **Dr. RIJO JACOB THOMAS** (Assistant Professor, Dept. of Mechanical Engineering, TKM College of Engineering, Kollam, Kerala). There was an overwhelming response for the Webinar from different parts of India, and a total of **454** people registered out of which **102 were Diploma students, 11 Plus Two students**, and 22 Faculty members. Among this 190 participants attended the webinar, including **62 Diploma students**, Engineering students, and Faculty from our institution as well as other institutions.



The distinguished guest speaker led off the talk by pinpointing the importance of engineering trade in the present scenario. He emphasized on the need of Mechanical Engineering as a choice of study by detailing the attractive career opportunities available in the field. The varied skill sets required for Mechanical Engineers to excel in their career were also explained. He highlighted the importance of having a career plan and passion to become successful in the long-term. He also discussed and expressed his views on how to empower ourselves for future-ready competencies that the industry demands today. The speaker kept the entire session lively and there was an interactive query and answer session at the end of the webinar, wherein the attendees raised their questions and the speaker effectively replied to them. We received indeed commendable feedback from each of the participants through



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the feedback form which was shared after the session. E- Certificates were issued to all active participants.



❖ **WEBINAR ON DISRUPTIVE CIVIL ENGINEERING**

The faculty members of the Dept. of Civil Engineering, conducted an online technical webinar on “**Disruptive Civil Engineering**”, which was presented by **Mr. Vijesh M. Nair**, National Head - India, CADD Centre Training Services Pvt. Ltd., for diploma and degree students, on 10th July, 2020 from 6:00 p.m. to 7:15 p.m. E – certificates were awarded to all the 165 participants.

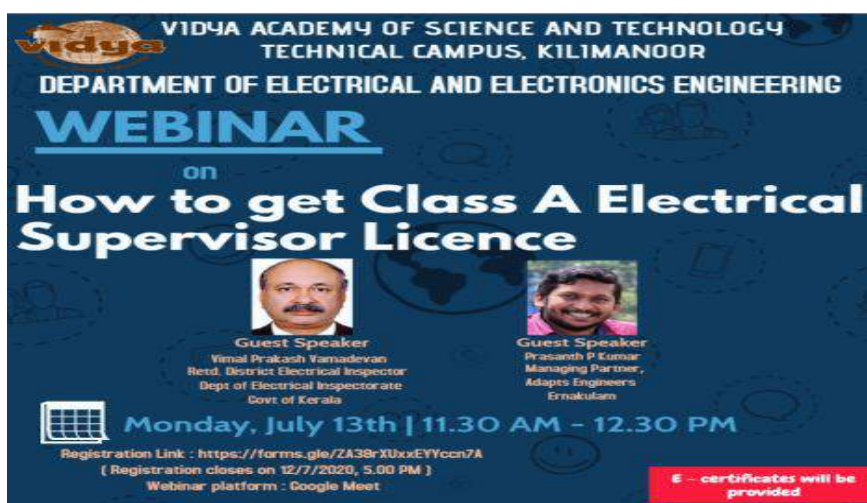




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❖ **Webinar on “How to get Class A Electrical Supervisor License”**

The department of Electrical and Electronics Engineering conducted a webinar on, “**How to get Class A Electrical Supervisor License**” on 13th July, 2020.



The webinar was intended to give an idea about how to get class A electrical supervisor license. The webinar was handled by **Mr.Vimal Prakash Vamadevan**, Retd. District Electrical Inspector, Department of Electrical Inspectorate, Government of Kerala and **Mr.Prasanth P Kumar**, Managing Partner, Adapts Engineers – Electro Mechanical, Kochi. The webinar was coordinated by **Mr.Ranjith M(Asst. Prof, EEE)**. Ms.Liji Ramesan Santhi (Asst. Prof, EEE) delivered the welcome address. Head of Department, Dr. M C John Wiselin, was the convener of this webinar. The webinar was conducted in “Google Meet” online platform. A total of 52 participants attended the webinar including the department staff. 35 Diploma students from various polytechnic colleges attended the webinar. The students actively participated in the webinar by constant interaction and enquiries.



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❖ WEBINAR ON URBAN ARCHITECTURE USING 3DS MAX

The faculty members of the Department of Civil Engineering, organized 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 from 6:00 p.m. to 7:00 p.m. E – certificates were awarded to all the 140 participants.





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❖ INTERNATIONAL DAY AGAINST DRUG ABUSE AND ILLICIT TRAFFICKING

The NSS unit at VASTTC celebrated ‘International Day Against Drug Abuse and Illicit Trafficking’ by organizing an **online webinar** titled “**Just Say No to Drugs**” on **26th June, 2020** ; to create an awareness among the students and faculty on the ill effects of drug usage. **Mr. Arun Vijayan, Civil Excise Officer, Chadayamangalam** presented a one hour webinar on Google Meet from 4 Pm to 5 Pm. Around **65 participants** attended the session including faculty members and students from VASTTC and other colleges. E – Certificates were awarded to all the participants at the end of the session. An **online brochure** titled “**Anti – Narcotic Day**” was also created by the NSS volunteers and shared among the students, faculty members of VASTTC and other participants of the session.





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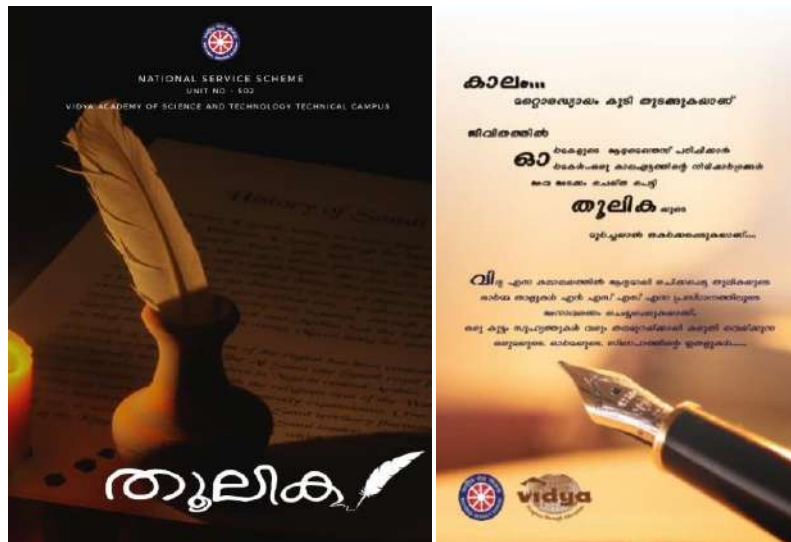
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❖ ‘THOOLIKA’

The **NSS Unit of VASTTC** proudly released an online souvenir, ‘**Thoolika**’, created by the NSS volunteers of **2018 – 2020 batch**, on **27th June, 2020**, at 7:00 p.m. This is the **first time in the history of VASTTC** that a souvenir was officially published. The souvenir was the result of the relentless work of the above said volunteer batch during the lockdown days. It includes the 2 year (2018-’20) activities of the volunteer batch along with their creative work like paintings, poems, drawings and novel ideas. Before the official online release of the souvenir by **Mr. Ebrahimkutty (Cine Artist)** they received many congratulatory messages from various other cine artists. After the release, a lot of appreciation poured in from different NSS Units of other colleges, NSS officials of KTU and other social service organizations.

Link to access the magazine:

https://drive.google.com/file/d/1z35ubVgCprN6mkQ_v9HgQcM0O8L6UkB0/view?usp=sharing



❖ MOCK EXAM SERIES

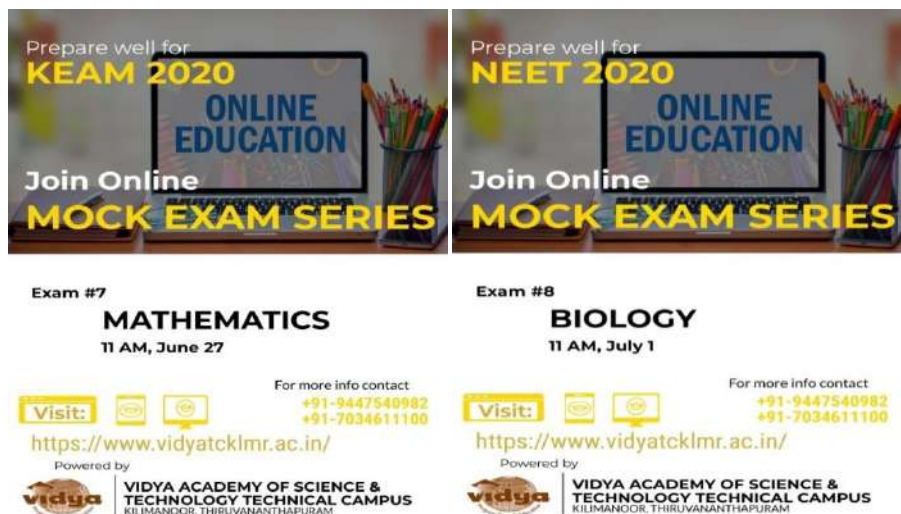
"Vidya Academy of Science and Technology Technical Campus, Kilimanoor conducted free online mock entrance test for +2 students. The online tests were beneficial for KEAM, JEE and NEET aspirants. The mock exam series was hosted in the college website and students had to attend the exam in the stipulated time. There were 427



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participants for Mathematics Exam which was conducted on 27th June, 2020 and 337 participants for the Biology Exam Which was conducted on 1st July, 2020.



❖ You Tube Video Series

Vidya Academy of Science and Technology Technical Campus, Kilimanoor is providing a Video Series which is helpful for aspirants who are aiming exams like JEE, KEAM, NEET, NDA etc. The videos were released with help of media team in the new YouTube channel created. The first video of the series **Tips and Tricks for MCQ based exams (KEAM, NEET)** was released on **5th July 2020**.

Link to the Video: <https://youtu.be/t0W9M8sxTbo>

The Second video of the series **KERALA ENGINEERING ENTRANCE EXAM |KEAM 2020|** was released on **13th July 2020**.

Link to the Video: <https://youtu.be/Bplx15OBmSM>



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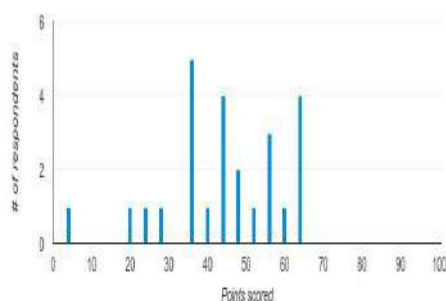
❖ **TECHNICAL QUIZ**

The Department of Computer Science and Engineering, VAST TC organized a Technical Quiz (Event 1) under the banner “**VIDYA ICONIC: A MASH UP OF TALENT AND TECHNICAL EVENTS**” for polytechnic computer science students on **24th July, 2020** from **11:00 am to 1:30 pm**. The technical quiz was coordinated by **Ms. Beena V R (Asst. Prof CSE)**. The technical quiz was attended by a total of 23 participants from various polytechnic colleges.

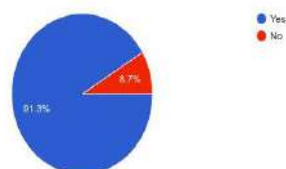


Average 44.16 / 100 points	Median 44 / 100 points	Range 4-64 points
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Total points distribution



Are you Interested in Engineering?
23 responses



The average point scored by the students is 44.16 and about 91.3% of the participants are interested in engineering.



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❖ **WEBINAR ON, “EMERGING TRENDS IN ELECTRIC VEHICLE”**

The department of Electrical and Electronics Engineering successfully conducted our first International webinar on, “Emerging Trends in Electric Vehicle” on 26th July, 2020. The webinar was handled by **Dr. Pritam Keshavdas Gujarathi, Professor, Nizwa College of Technology, Nizwa, Sultanate of Oman.** Head of Department, **Dr. M C John Wiselin**, inaugurated the webinar. The webinar was coordinated by Mr. Ranjith M (Asst. Prof, EEE) and Ms. Mrudula Murugan (Asst. Prof, EEE). Ms. Liji Ramesan Santhi (Asst. Prof, EEE) delivered the welcome address. The webinar was conducted in “Google Meet” online platform. Dr. Pritam Keshavdas Gujarathi, talked about pollution caused by vehicles, performance of vehicles, problems faced in manufacturing electric vehicles, Technology used in different parts of the world for manufacturing electric vehicles etc

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DEPARTMENT OF ELECTRICAL AND ELECTRONICS

WEBINAR
EMERGING TRENDS IN ELECTRIC VEHICLE

26/7/2020
10.30 - 11.30 AM

Registration Link : <https://forms.gle/C3mFua1jV8YpV46>
(Registration closes on 25/7/2020, 5.00 PM)
Platform Google Meet

Speaker
Dr Pritam Keshavdas Gujarathi,
Nizwa College of Technology,
Nizwa, Sultanate of Oman.

E- certificates will be provided



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A total of 149 participants registered from various colleges in Kerala and Tamil Nadu, and 88 participants attended the webinar. The 88 participants are from Vidya Academy of Science and Technology Technical Campus Kilimanoor, Younus college of engineering and technology kollam, Musaliar college of engineering, Muslim Association College of Engineering, Mar Baselios College of Engineering and Technology, Jyothi Engineering College Cheruthuruthy Thrissur, AdiShankara Institute of Engineering & Technology, MES Institute OF Tehnology and Management Kollam, Mount Zion Institute of Science & Technology Kozhuvallor, Sree Buddha College of Engineering, Albertian Institute of Science and Technology kalamassery, St Thomas college of engineering and technology chengannur, TKM Institute of Technology kollam, Sarabhai institute of science and technology vellanad, College Of Engineering Pathanapuram, Malabar Institute of Technology, Rajadhani Institute of Engineering and Technology, Bishop Jerome Institute kollam, St. Peter's Institute of Higher Education and Research, UKF College of Engineering and Technology, AWH Engineering College ,Kuttikattoor, Royal College of Engineering & Technology, Vidya institute of science & technology, College of Engineering and Technology Payyanur, Government Engineering College Thrissur, National Institute Of Technology Calicut, Trinity College of Engineering, Government Engineering College Bartenhill, North Malabar institute of technology kanhangadkasargod, Marian Engineering College, Kazhakuttom, College of Engineering Pathanapuram etc. The participants actively participated in the webinar by constant interaction and enquiries. The overall feedback of the webinar was excellent.

❖ **WEBINAR on “Career and Innovation**

The department of Electrical and Electronics Engineering successfully conducted the second one of the International webinar series– “Career and Innovation” – on **29 July 2020**, 10:30-11:30 AM. The webinar was presented by **Dr. K Ravi Chandran**, New York Institute of Technology, Abudhabi, inaugurated by Head of Department, **Dr. M C John Wiselin**. Coordinators were **Ms.Karthika ET (Asst. Prof-EEE)** and **Ms.MrudulaMurugan (Asst. Prof-EEE)**. Head of Department, Dr. M C John Wiselin delivered the welcome address and session got conducted in “Google Meet” online



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platform. Dr. K Ravi Chandran, talked about curriculum support to bring out innovation, Innovation skills, Terms used to find out innovation skills, 9 steps to improve innovation skills etc

A total of 117 participants registered from various colleges in Kerala and Tamil Nadu, and was attended by 87 participants plus one hosts/presenters. The 87 participants are from the following colleges.

1	CAPE Institute Of Technology
2	Muslim association college of engineering venjaramoodu
3	Bishop Jerome Institute., kollam
4	Christ College of Engineering Irinjalakuda
5	Sarabhai Institute Of Science And Technology
6	Rajadhani institute of science and technology
7	UKF College Of Engineering And Technology
8	M E A Engineering College
9	Government Engineering College Thrissur
10	AWH Engineering College
11	Sahrdaya College of Engineering & Technology
12	Amrita college of Engineering and Technology Nagercoil
13	Royal College of Engineering & Technology



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14	YounusCollege Of Engineering And Technology
15	Mount Zion Institute Of Science
16	St.Mary's college
17	Vidya Academy Of Science And Technology

The participants actively participated in the webinar by constant interactions, followed by Q&A; a panel discussion with the presenters; and a chat-based feedback collection from all participants. Generally, participants received the webinar positively and appreciated the practical examples provided by the presentations. The overall feedback of the webinar was excellent.

❖ STAFF ACHIEVEMENT



❖ PAPER PUBLICATION

Mr.Robin David (Asst. Prof - ME) published a paper titled “*Experimental investigations on combustion characteristics of fuel briquettes made from vegetable market waste and sawdust*” is published in peer-reviewed, **Materials Today: Proceedings (Elsevier Scopus)** Journal. The paper is available online from 23 July 2020, and the paper link is attached herewith. <https://doi.org/10.1016/j.matpr.2020.06.222>

The article can be cited as;- A. Afsal, R. David, V. Baiju et al., Experimental investigations on combustion characteristics of fuel briquettes made from vegetable market waste and sawdust, Materials Today: Proceedings, <https://doi.org/10.1016/j.matpr.2020.06.222>

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journal homepage: www.elsevier.com/locate/matpr

Experimental investigations on combustion characteristics of fuel briquettes made from vegetable market waste and saw dust

Asna Afsal^a, Robin David^{b,c}, V. Baiju^{c,d}, N. Muhammed Suhail^a, U. Parvathy^d, R.B. Rakhi^d

^aDepartment of Mechanical Engineering, TMM College of Engineering, Kollam 690005, Kerala, India

^bAD Abdul Kalam Technological University, Department of Mechanical Engineering, TMM College of Engineering, Kollam 690005, Kerala, India

^cEnergy Research Centre, Department of Mechanical Engineering, TMM College of Engineering, Kollam 690005, Kerala, India

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Keywords:
Briquette;
Proximate analysis;
Calorific value;
Combustion

ABSTRACT

The safe and sound disposal of vegetable market waste (VMW) is a major concern of India today. VMW is being produced in millions of tonnes in urban areas, which are often deposited in dumpsites, left untreated, or burned in open fires. A potential remedy for these waste disposal and high fuel dependence on wood as fuel is the conversion of this biomass into high-density briquettes. This paper presents an experimental exploration of fuel properties of bio-briquettes made from a combination of VMW and sawdust (SD). In the present work, binary briquettes have been made from VMW in combination with SD in a ratio of 25, 50, 75, and 100% by weight using bentonite clay as a binder. Furthermore, a comparative study between the VMW based biomass briquettes with firewood, coal, and conventional sawdust briquettes are also included in this study. Raw green vegetable wastes were collected from markets and were kept for open sun drying. The dried matter was then transformed into a pulverized form and eventually converted to briquettes. The percentage of moisture content, percentage volatile matter content, ash content percentage, fixed carbon content, and calorific values of the briquettes were investigated. The results showed that the composite briquettes had improved combustion characteristics like higher calorific value and more volatile matter content compared with pure VMW briquettes. The percentage volatile matter content of VMW briquette enhanced from 71.72% to 83.2% for the composite briquette of VMW and SD with the highest percentage at the proportion 25:75 (VMW: SD). The calorific value of bio-briquettes ranges from 14,002 to 15,721 MJ/kg and the highest heating value was obtained for the composite briquette of VMW and SD with proportion 25:75. Even though lignin contents of vegetable market waste were lower (3.23–3.51%) compared to other ligno-cellulosic biomass, good quality biomass briquettes were produced.

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Selection and peer-review under responsibility of the scientific committee of the International Conference on Nanotechnology: Ideas, Innovation and Industries.

1. Introduction

The major portion of the CO₂ emissions are caused due to the combustion of coal and is expected to contribute about 41% (43,676 million metric tonnes of CO₂) by the year 2030 [1]. Electricity, heat, and steam can be generated from the combustion of forest residues and waste materials from paper industries. According to Schwabes et al. [2], there is a rapid demand for biomass energy due to its prolific availability as agricultural residues and CO₂ neutral emission as well as low sulphur content. Biomass

energy has a lower density which results in its lower heating value when compared with coal [3]. Although biomass energy is considered to be carbon neutral, it releases a certain amount of carbon upon combustion. In order to maintain the economic balance, this carbon is later reabsorbed by the plants for their static growth [4]. As the sulphur and nitrogen content in biomass energy is less, the burning of biomass releases lower SO₂ and NO₂ respectively [5].

In India, biomass is available in the form of waste from different sources such as agriculture, municipal, forest or food processing industries. A major share of these wastes is contributed by vegetable and fruit waste. Municipal solid waste landfills and open dumping sites represent the major disposal sites for vegetable wastes [6]. These, in turn, become potential areas of environmental pollution. Moreover, various health hazards are associated with

* Corresponding author.
E-mail address: robinadavidtmm@gmail.com (R. David), rbk@kthkollam.ac.in (V. Baiju).

<https://doi.org/10.1016/j.matpr.2020.06.222>

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NAME OF FACULTY	TOPIC	COURSE PROVIDER/INSTITUTION	PERIOD
Mr.Ranjith M (Asst. Prof - EEE)	Webinar on "Diving into the global startupecosystem"	Shawn Flynn, Head of incubation at techcodeaccelerator, silicon valley USA	28/06/2020
Ms.AswathySoman (Asst. Prof - AS)	International webinar on “Recently advances un Material science”	School of Technology, Central University of Tamilnadu	18/052020 to 22/06/2020
Ms.RiniMadhavan Rajeev (Asst. Prof - CE) Mr.JithinPrem S. (Asst. Prof - CE)	“Municipal Solid Waste Management”	Dept. of Civil Engineering, Panimalar Engineering College, Chennai	26 th June 2020
Ms.RiniMadhavan Rajeev (Asst. Prof - CE) Mr.JithinPrem S. (Asst. Prof - CE)	National webinar on “Impact of Covid – 19 on Teaching - Learning Environment”	IQAC of BanwarilalBhalotia College, West Bengal,	17 th June, 2020.
Mr.JithinPrem S. (Asst. Prof - CE) Ms.RiniMadhavan Rajeev (Asst. Prof - CE)	“Techniques for Increasing the Strength and Stability of Structures”	Dept. of Civil Engineering, Hindustan College of Engineering and Technology, Coimbatore	27 th June 2020.
Ms.RiniMadhavan Rajeev (Asst. Prof - CE) Mr.JithinPrem S. (Asst. Prof - CE)	“Urban Planning for Smart Cities: Smart Tools and Measures”, delivered Ar. VivekPai, Urban Infrastructure Architect & Managing Director, Sustainability consultants	Dept. of Civil Engineering, GMR Institute of Technology, Andhra Pradesh	29 th June, 2020.



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Ms.RiniMadhavan Rajeev (Asst. Prof - CE) Mr.JithinPrem S. (Asst. Prof - CE)	Futuristic Technologies of Construction Industry”	Dept. of Civil Engineering, A.V.C. College of Civil Engineering	29 th June,2020.
Ms.RiniMadhavan Rajeev (Asst. Prof - CE) Mr.JithinPrem S. (Asst. Prof - CE).	“Green Buildings and Sustainability”,	Dept. of Civil Engineering	July 1 st , 2020
Mr.Ajayakumar A.G. (Asst. Prof-ME), Ms.Ajeesh A.S.(Asst. Prof- ME) Mr.Sreejith S Nair (Asst. Prof- ME)	“METAL PROCESSING AND CHARACTERIZATION”	Dept of Mechanical Engineering, Sathyabama Institute of Science and Technology	17 th June, 2020.
Ms.Divya M K (Asst. Prof-CSE) Ms.Sreejam M, (Asst. Prof-CSE) Ms.AthulyaKamalasanan, (Asst. Prof-CSE) Ms.Anusree K S (Asst. Prof-CSE) Mr.Suraj S R,(Asst. Prof-CSE)	“Internet of things using NODEMCU”	“Shiv kumarsingh Institute of technology and science” in association with PANTECH	23 rd June 2020
Ms.Anjana. N, (Asst. Prof-ECE) Ms.NeethuNadesh, (Asst. Prof-ECE) Ms Sreejitha. (Asst. Prof-ECE)	Satellite Image Processing: Feature Extraction	Department of Electronics and Communication Engineering,Bangalore Technological Institute, Bengaluru	29 th June 2020
Ms.NeethuNadesh(Asst. Prof-ECE)	Personal mastery	UCE, Karyavattam	30 th June 2020
Ms.Sreejitha. S.G(Asst. Prof-ECE)	Accelerating E vehicles to realization	VBIT, Hyderabad	30 th June 2020
Ms.Sreejitha. S.G (Asst. Prof-ECE)	Enabling technologies for future wireless communication	MAM School of Engineering	1 st July 2020
Mr.MuhammedAnshad P Y (Asst. Prof-ECE)	Robotics	Royal Engg college	2 nd July 2020
Ms.NeethuNadesh, (Asst. Prof-ECE) Ms.Sreejitha. S.G (Asst. Prof-ECE)	RESEARCH METHODOLOGY - WRITING EFFECTIVE RESEARCH ARTICLES	SNIT Adoor	2 nd July 2020
Ms.RiniMadhavan Rajeev (Asst. Prof - CE)and Mr.JithinPrem	“Development of Prefabricated Dry	Dept. of Civil Engineering, A.J. Institute of Engineering	8 th July, 2020



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S.(Asst. Prof - CE)	Construction Technology in Buildings”,	and Technology, Mangalore	
Ms.RiniMadhavan Rajeev (Asst. Prof - CE)and Mr.JithinPrem S.(Asst. Prof - CE)	“ Civil Webinar String - 1”,	Dept. of Civil Engineering, Peri Institute of Technology,	3 rd July to 6 th July, 2020
Ms.RiniMadhavan Rajeev (Asst. Prof - CE)	“Hydraulic Model Studies in Coastal Engineering Development Projects”,	Association of Consulting Civil Engineers (I), Bangalore Center& M/s The Ramco Cements Limited, in association with the Dept. of Civil Engineering, J.S.S. Academy of Technical Education, Bengaluru.	4 th July, 2020.
Ms.RiniMadhavan Rajeev (Asst. Prof - CE)	“Emerging Trends in Civil Engineering”,	Dept. of Civil Engineering, EaswariEngineering College, Chennai,	30 th June 2020 to 2 nd July 2020.
Mr.JithinPrem S.(Asst. Prof - CE)	“Use of White Cement and Value Added Products in Construction Industry”,	Dept. of Civil Engineering, Sipna College of Engineering and Technology, Amaravati, in association with J.K. Cements LTD	8 th July, 2020.
Ms. Lenin Babu S. (Asst. Prof - CE), Ms.Sethuparvathy S.(Asst. Prof - CE)andMs.Asha K. (Trade Instructor – CE)	“Landslides: Causes and Mitigation Measures”,	Dept. of Civil Engineering,AmalJyothi College of Engineering, Kottayam.	9 th July, 2020
Ms.MrudulaMurukan G(Asst.Prof – EEE), Ms.Dhanya S Lal(Asst.Prof – EEE),Ms.Karthika ET(Asst.Prof – EEE), Ms.DivyaSabu(Asst.Prof – EEE), Higher Education Opportunities Abroad”Ms.LijiRamesanSanthi,(Asst.Prof –EEE) and Ms.Asna S Asok(Asst.Prof –EEE)	“An over view of Indian Grid”	Mar Baselios Christian College of Engineering and Technology, Peermade, in association with IEEE, PES SBC MBCCET	5 th July ,2020.



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Ms.Asna S Asok(Asst.Prof –EEE), Ms.MrudulaMurukan G(Asst.Prof – EEE), Ms.Dhanya S Lal(Asst.Prof – EEE), Ms.Karthika ET(Asst.Prof – EEE), Ms.DivyaSabu(Asst.Prof – EEE),Ms.LijiRamesanSanthi,(Asst.Prof –EEE) and Mr.Ranjith M(Asst.Prof –EEE)	“Higher Education Opportunities Abroad”	LBS College of Engineering Kasaragod.	6 th July,2020.
Ms.Asna S Asok(Asst.Prof –EEE), Ms.MrudulaMurukan G(Asst.Prof – EEE), Ms.Dhanya S Lal(Asst.Prof – EEE), Ms.Karthika ET(Asst.Prof – EEE), Ms.LijiRamesanSanthi(Asst.Prof –EEE), and Ms.DivyaSabu(Asst.Prof –EEE)	Deep Learning For Disease Detection From Images Of Biomedical Signals	IEEE SB MBCCET	8 th July,2020
Ms.AthulyaKamalasanan (Asst. Prof- CSE)	“Image processing applications”	AIMIT ST. Aloysius college, Mangalore.	3 rd July, 2020
Ms.NeethuNadesh(Asst. Prof-ECE)	Career Opportunities	UCE,Tvm	2 nd and 4 th July,2020.
	"Embedded systems using ARMS"	Pantech Webinars	5 th July, 2020.
Ms.Sreejitha. S.G (Asst. Prof-ECE)	"INDUSTRY 2.0"	KKR and KSR Institute of Technology and Sciences”	4 th July, 2020.
	“Robotics”	KSR College of engineering	5 th July,2020.
	"The Science and Application on NLP"	GKM college of Engineering	6 th July,2020.
Mr.Vineesh. V(Asst. Prof-AS)	“Thermoelectric Materials For Energy Conservation”	K.L.E. Society’s BasavaprabhuKore Arts ,Science and Commerce	4 th July ,2020



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		College, CHIKODI	
	“A Star ‘s Dance at the Center of Our Milky Way Galaxy”	Karunya Institute of Technology and Sciences,Coimbatore	19 th June, 2020
Ms.RiniMadhavan Rajeev (Asst. Prof - CE)and Mr.JithinPrem S.(Asst. Prof - CE)	“Issues Related to Seismic Design of Foundations”	Dept. of Civil Engineering, Andhra University College of Engineering, Visakhapatnam,	11 th July 2020.
Ms.RiniMadhavan Rajeev (Asst. Prof - CE)and Mr.JithinPrem S.(Asst. Prof - CE)	“Scope of Civil Engineering in Government Sector”	Dept. of Civil Engineering, I.E.S. College of Engineering, Thrissur,	11 th July, 2020.
Mr.JithinPrem S.(Asst. Prof - CE)andMs.RiniMadhavan Rajeev (Asst. Prof - CE)	“Quality of Reinforcement and Next Generation Concrete”	Dept. of Civil Engineering, Jain Institute of Technology, Devangere,	10 th and 11 th July, 2020
Mr.JithinPrem S.(Asst. Prof - CE)	“Strategies of Solid Waste Management”	Dept. of Civil Engineering, GanadipathyTulsi’s Jain Engineering College, Vellore,	11 th July 2020.
Mr.LeninBabu S.(Asst. Prof - CE), Ms.Sethuparvathy S. (Asst. Prof - CE), Mr.JithinPrem S.(Asst. Prof - CE)andMs.RiniMadhavan Rajeev (Asst. Prof - CE)	“Relevance and Avenues in Civil Engineering”	Dept. of Civil Engineering, AmalJyothi College of Engineering, Kottayam,	10 th July, 2020.
Ms.Asna S Asok(Asst. Prof - EEE), Ms.MrudulaMurukan G(Asst. Prof - EEE),Ms.Dhanya S Lal(Asst. Prof - EEE),Ms.Karthika ET(Asst. Prof - EEE), Ms.DivyaSabu(Asst. Prof - EEE),Ms.LijiRamesanSanthi(Asst. Prof - EEE) and Ranjith M(Asst. Prof - EEE)	“KSEB ELECTRICITY BILLING -MYTHS AND FACTS”	Jyothi Engineering College, Cheruthuruthy	10/07/2020



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Ms.Dhanya S Lal(Asst. Prof - EEE),Ms.Karthika ET(Asst. Prof - EEE), Ms.DivyaSabu(Asst. Prof - EEE),Ms.LijiRamesanSanthi(Asst. Prof - EEE), Ranjith M (Asst. Prof - EEE),Ms.Asna S Asok(Asst. Prof - EEE) and Ms.MrudulaMurukan G(Asst. Prof - EEE)	“Redefining and Reassessing Value Proposition in Technical Education in a Post- Pandemic Era”	Rajagiri School Of Engineering And Technology	15/07/2020 to 16/07/2020.
Ms.NeethuNadesh(Asst. Prof – ECE)	Career Awareness	Sandeepani the training division of CoreEL Tech, Bangalore	13 th July,2020
Ms.NeethuNadesh(Asst. Prof – ECE) Ms.Sreejitha SG (Asst. Prof – ECE)	IoT and its applications	Dept of ECE VAST TC	13 th July.
Ms.Sreejitha SG (Asst. Prof – ECE)	"Person Identifier using Python and OpenCV"	PantechWebinas	14 th July.
	"Connected devices using Raspberry Pi and cloud"	CMR Engineering College	18 th July
	“The Growing Use of Robotics in Logistics”	IEEE RAS SBC SJCT	21 st July.
Ms.Sreejitha SG(Asst. Prof – ECE)	Python Programming and its Application	Pachaiyappa's College, Chennai	17 th July
Ms.Asna S Asok (Asst. Prof - EEE), Ms.MrudulaMurukan G (Asst. Prof - EEE), Ms.Dhanya S Lal (Asst. Prof - EEE), Ms.LijiRamesanSanthi (Asst. Prof - EEE)	“Transmission SCADA”	Federal Institute of Science And Technology(FISAT), Angamali	16 /07/2020
Ms.Asna S Asok (Asst. Prof - EEE), Ms.MrudulaMurukan G (Asst. Prof - EEE), Ms.Dhanya S Lal (Asst. Prof - EEE), Ms.Karthika ET (Asst. Prof - EEE), Ms.DivyaSabu(Asst. Prof - EEE), Ms.LijiRamesanSanthi (Asst. Prof - EEE)	“Redefining and Reassessing Value Proposition in Technical Education in a Post- Pandemic Era”	Rajagiriri School of Engineering and Technology	15/07/20 to 16/07/20



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Ms.RiniMadhavan Rajeev (Asst. Prof - CE) and Mr.JithinPrem S.(Asst. Prof - CE)	“Holistic Approach to Develop an Efficient and Safe Transportation for Future India ”	Dept. of Civil Engineering, Rajalekshmi Engineering College, Chennai,	24 th July 2020.
Ms.RiniMadhavan Rajeev (Asst. Prof - CE)and Mr.JithinPrem S.(Asst. Prof - CE)	“Construct 4.0”,	Dept. of Civil Engineering, Dr. N.G.P. Institute of Technology, Coimbatore,	22 nd July, 2020.
Ms.Sethuparvathy S.(Asst. Prof - CE)	“Structural Health Monitoring and Remedial Engineering”,	Dept. of Civil Engineering, S.R.M. Institute of Science and Technology, Chennai,	20 th July,2020.
Mr.Vinod T F (Hardware and Network Tech CSE)	Prep your business to face 2019’s most advanced Cyber threats	Bright talk	18/07/2020
	Network security Management : insights from the field		19/07/2020
	Deep dive: How to manage and secure complex hybrid networks		21/07/2020
Ms. Abitha A.S	International webinar on “Recently trends in teaching English Language and Literature to Digital Natives””	Idhaya College for Women, Kumbakonam	14 th and 15 th July 2020





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- **Ms.RiniMadhavan Rajeev (Asst. Prof - CE) and Mr.JithinPrem S.(Asst. Prof - CE)** attended a one day online workshop on **“Application of Remote Sensing and GIS in Civil Engineering”**, organized by the Dept. of Civil Engineering under the aegis of Technical Education Quality Improvement Programme (TEQIP – III), Dr. B.R. Ambedkar National Institute of Technology, Jalandhar, on **4th July, 2020**



Name of faculty	Topic	Course provider/Institution	Period
Ms.Dhanya S Lal, (Asst. Prof - EEE) Ms.Karthika E T (Asst. Prof - EEE)	“Programming for Everybody : Getting Started with Python”	Coursera	7 weeks
Ms.Karthika E T (Asst. Prof - EEE)	“Security and Privacy for Big Data – Part 1 &2”	Coursera	2 Weeks
Ms.LijiRamesanSanthi, (Asst. Prof - EEE) Ms.Asna S Ashok, (Asst. Prof - EEE) Ms.MrudulaMurukan G (Asst. Prof - EEE)	“Internet of Things and Embedded Systems”	Coursera	4 Weeks
Ms.LijiRamesanSanthi(Asst. Prof - EEE)	“Security and Privacy for Big Data – Part 1”	Coursera	1 Week
Mr.Vimal A (Asst. Prof, ME)	“FUNDAMENTALS OF FLUID POWER”	Coursera	8 Week
Ms.Asha K. (Trade Instructor – CE)	“Wood Science: Beyond Building”,	West Virginia University and offered through Vidya	18 th June,



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		+ Coursera account	2020
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❖ FACULTY DEVELOPMENT PROGRAMME

Name of faculty	Topic	Course provider/Institution	Period
Ms.Sreejitha. S. G (Asst. Prof - ECE)	“Recent Trends in Photonics	DayanandaSagar University Bangalore	3 days
Ms.Dhanya S Lal, (Asst. Prof - EEE) Ms.Karthika ET(Asst. Prof - EEE) Ms.DivyaSabu, (Asst. Prof - EEE) Ms.LijiRamesanSanthi, (Asst. Prof - EEE) Ms.Asna S Asok, (Asst. Prof - EEE) Ms.MrudulaMurukan G (Asst. Prof - EEE)	" There's Plenty of room at the bottom"- A web Based Faculty Development Program on Nano Science and Technology Materials to various applications	Amrita school of Engineering, Amritapuri, Kollam	4 days, (25/06 to 28/06/2020)
Ms.MrudulaMurukan G (Asst. Prof - EEE) Ms.Dhanya S Lal(Asst. Prof - EEE) Ms.Karthika ET(Asst. Prof - EEE) Ms.DivyaSabu, (Asst. Prof - EEE) Ms.LijiRamesanSanthi, (Asst. Prof - EEE) Ms.Asna S Asok, (Asst. Prof - EEE)	Four day online STTP on "Computer Aided Design of Electrical Systems after the Meter"	Marian Engineering College,Thiruvananthapuram	(26/062020 to 29/06/2020)
Ms.Anjana.N(Asst.Prof-ECE)	“Machine Learning”	Pantech webinars by NITK	9 th July to 11 th July, 2020
Ms.RiniMadhavan Rajeev (Asst. Prof - CE)	“Recent Trends in Concrete Technology and Environmental Engineering”,	Dept. of Civil Engineering, Hindusthan College of Engineering and	2 nd July to 4 th July, 2020



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		Technology, Coimbatore,	
Ms.LijiRamesanSanthi(Asst. Prof - EEE), Ms.Asna S Asok(Asst. Prof - EEE), Ms.MrudulaMurukanG(Asst. Prof - EEE), Ms.Dhanya S Lal(Asst. Prof - EEE),Ms.Karthika ET(Asst. Prof - EEE) and Ms.DivyaSabu(Asst. Prof - EEE)	“Outcome based education software”	vmuedulife	4 th July,2020
Ms.AthulyaKamalasanan(Ass t Prof- CSE)	“Research perspective in futuristic computing technologies”	School of engineering, Bengaluru.	7 th July, 2020
Mr.JithinPrem S. (Asst. Prof - CE) andMs.RiniMadhavan Rajeev (Asst. Prof - CE)	“Applications of Remote Sensing and GIS in Civil Engineering”,	Dept. of Civil Engineering, Silicon Institute of Technology, Sambalpur,	7 th July to 10 th July, 2020.
Ms.Anjana. N(Asst. Prof – ECE)	“Being a Super Teacher”	School of Management Studies, Bannari Amman Institute of Technology	6 th July to 12 th July 2020.
Mr. Lenin Babu S. (Asst. Prof - CE), Ms.Sethuparvathy S. (Asst. Prof - CE), Mr.JithinPrem S. (Asst. Prof - CE) andMs.RiniMadhavan Rajeev (Asst. Prof - CE)	“Water and Environmental Modelling using MIKE, Remote Sensing and GIS Applications”,	the Dept. of Civil Engineering, Satya Institute of Technology and Management, Andhra Pradesh	13 th July to 17 th July, 2020
Ms.Asna S Asok (Asst. Prof - EEE), Ms.MrudulaMurukan G (Asst. Prof - EEE), Ms.Dhanya S Lal (Asst. Prof - EEE), Ms.KarthikaET (Asst. Prof - EEE), Ms.DivyaSabu(Asst. Prof - EEE), Ms.LijiRamesanSanthi (Asst. Prof - EEE)	“Professional Development Of Women Engineers In Post Covid Era”	Mar Baselios Institute Of Technology And Science[MBITS]	20/07/2020 to 22/07/2020



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- **Mr. VIMAL A**(Asst. Prof- ME) successfully completed the online E-Quiz on“**METAL CASTING**” conducted by Dept of Mechanical Engineering, Vidyavardhaka College of Engineering and Technology, Mysuru from**11th to 14th of July, 2020**

❖ STUDENTS ACHIEVEMENT

➤ RESEARCH PAPERS IN INTERNATIONAL CONFERENCE

The students of Mechanical Engineering Department **Adhillqbal, Anandu M S, Sharukhan** and **Sijo G Joy (S8 ME), Thoufeek N A, Vinay VA(S6 ME)** and **Mohammed Arif (S4ME)** presented **four Research Papers at International Conference on Future Engineering (ICFE-2020),** hosted by **Dr. Rammanohar Lohia Avadh University, Ayodhya, Uttar Pradesh, India** on **26th -27th June, 2020** under the guidance of **Mr. Robin David (Asst. Prof-ME)**



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❖ CSE STUDENT A FINALIST IN INDIA-WIDE CODING COMPETITION

Pradipta Mukherjee of S6 CSE (2017-2021 batch) has cleared the Round 2 of 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 got the opportunity for attending pre-placement interview for the role of Systems Engineer Specialist



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❖ WEBINAR





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Name of student	Branch & year	Topic	Course provider/Institution	Period
Athulya LV Rahul Chandran Anandhu Krishnan SenSanthosh Sivanya VS Abhijith A S MuhuzinThaj Anantharaman Abishek A S Anukrishna R	EEE,2017-21 Batch	Electrical engineering job prospects	Vidya Academy of Science and Technology, Thrissur	19/07/2020
Abishek S	EEE,2017-21 Batch	4 steps towards your job : Entrepreneurship and opportunities	Muslim Association College of Engineering	2 days
		5 steps towards your job : Entrepreneurship and opportunities		3 days
		6 steps towards your job : Entrepreneurship and opportunities		4 days
		7 steps towards your job : Entrepreneurship and opportunities		5 days
		8 steps towards your job : Entrepreneurship and opportunities		6 days
		9 steps towards your job : Entrepreneurship and opportunities		7 days
		10 steps towards your job : Entrepreneurship and opportunities		8 days



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AbithaBalachandran Reshma D R	EEE,2017- 21 Batch	A new trend in power distribution and scope of Electrical engineer in Canada	Albertian institute of science and technology, kochi	10/7/2020
Ardra B Rakesh Raj Ajeesh TR Sreekuttan P R	EEE 2019- 23 Batch	Electrical engineering job prospects	Vidya Academy of Science and Technology, Thrissur	19/07/2020
Ajeesh TR Akshay S D Anandu Krishnan AnjalyanilkumarAnoop S Ansal A R AnupamaAjayanVidyaVenugopal	EEE 2019- 23 Batch	Fundamentals of computer organization and C programming	BHAVIAANS Consulting services	13/07/2020
Vanigopal VT	EEE,2017- 21 Batch	IoT: How to fetch data from real world	Muslim Association College of Engineering	19/07/2020
Abishek S				
Vanigopal VT	EEE,2017- 21 Batch	4 steps towards your job : Entrepreneurship and opportunities		2 days
Vanigopal VT	EEE,2017- 21 Batch	New trends in Lighting design	Jyothi college of engineering, Thrissur	4/07/2020
Krishna Priya J	S6 CSE	“Electrical Engineering Job Prospects” by Helen Mathews, Eaton Electrical, Canada	Electrical and Electronics Engineering department (NBA accredited) of Vidya Academy of Science and Technology, Kechery, Thrissur.	19 th July 2020
Vaishnavi Suresh, Sumayya R and Sreelekshmi R.S.	S4CE	Techniques to Crack Competitive Examinations”,	Coaching Centre for Minority Youth Kannanalloor, Karunagapally and	16 th July, 2020.



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			Mattanchery,	
AmeenJafar	S4CE	“Mental Health Effects of the Covid – 19 Pandemic”,	Harvard Medical School, June 16 th , 2020.	16 th June ,2020.
Praveen P, Navanneth P S, Arya A R,Sneha T V and UpasanaUnnikrishnan	S4 CSE	“IONIC”	AkashTechnolabs and Chimanbhai Patel Institute	13 th June 2020.
Navanneth P S	S4 CSE	“Laravel”	AkashTechnolabs and Chimanbhai Patel Institute	13 th June 2020.
Drisya G S	S6 CSE	Advanced excel	Pacific academy of higher education and research university	15 th june
Drisya G S	S6 CSE	core python-2	Akashtechlabs and shree V. N Board mahila BCA College	15 th june
Shahna S and Bhagya R B	S6 CSE	Role of Robotics in the covid-19 affected world	IEEE SB LBSITW	23 rd June, 2020
Pavithra B, Navaneeth P S Sandra SP, Gayatry S K Jyothirmayi S	S4 CSE S2CSE	“Drug Abuse”	NSS unit of VAST TC, Kilimanoor,	26 th June 2020.
Sandra SP	S2 CSE	Fundamentals Of Computer Organization And C Programming”	Bhaviaans	4 th July, 2020



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❖ MOOCs



Name of student	Branch & year	Topic	Course provider/Institution	Period
Mohammed Nabeel N MuhuzinThaj	EEE,2017-21 Batch	Successful Negotiation: Essential Strategies and Skills	University of Michigan	7 weeks
Midhun Krishna	EEE,2017-21 Batch	Programming for everybody	University of Michigan	7 weeks
Vanigopal VT	EEE,2017-21 Batch	AutoCAD	Intercad systems private limited	6 days
Ajeesh TR	EEE 2019-23 Batch	Data Scientist's Toolbox	Johns Hopkins University	4 Weeks
Abhiram AB Nair	EEE 2019-23 Batch	Sensors	Udemy	4 Weeks
Anishma A.	S2 CE	“Introduction to Psychology: Biological Psychology”,	Monash University	2-week

❖ COURSERA



- **Sreelekshmi R.S., Sumayya R. and Vaishnavi Suresh(S4CE)** successfully completed the online course “Mountains 101”, authorized by University of Alberta



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and offered through Coursera + Vidya account

- **Sreelekshmi R.S.(S4CE)** successfully completed the online course “Applications in Engineering Mechanics”, authorized by Georgia Institute of Technology and offered through Coursera + Vidya account
- **Sreelekshmi R.S(S4CE)** successfully completed the online course “Mechanics of Materials III:Beam Bending”, authorized by Georgia Institute of Technology and offered through Coursera + Vidya account
- **Anjana Krishnan (S4 CE)** successfully completed the online course “**Mechanics of Materials I: Fundamentals of Stress and Strain and Axial Loading**”, authorized by West Virginia University and offered through Coursera + Vidya account, on **5th July, 2020**
- **Krishnaprasad P A (S2 CSE)** completed a Coursera course on “**System administration and IT infrastructure**” by Google on **2nd July, 2020**
- **Vaishnavi Suresh (S4CE)** successfully completed the online course “**Mechanics of Materials I: Fundamentals of Stress and Strain and Axial Loading**”, authorized by West Virginia University and offered through Coursera + Vidya account, on **14th July, 2020.**
- **Vaishnavi Suresh (S4CE)** successfully completed the online course “**Applications in Engineering Mechanics**”, authorized by Georgia Institute of Technology and offered through Coursera + Vidya account, on **14th July, 2020.**

❖ QUIZ



- **Sreelekshmi R.S., Sumayya R., Anjana Krishnan, Saranya Raj S., Vaishnavi Suresh and Abi S. Santhosh** S4 CE, successfully participated in an Online



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National Level Quiz on “Basic Concepts in Civil Engineering” organized by the Dept. of Civil Engineering, Chaitanya University, on 2nd July, 2020.

- **Ananthu V. Nair** of **S8 CE**, successfully participated in an Online National Level Quiz on “Water Resources Engineering” organized by the Dept. of Civil Engineering, K.L. University, Andhra Pradesh, on 28th June, 2020.
- **Avani B Nair and Navaneeth P S (S4 CSE)** successfully participated in an online quiz on “Knowledge Improvement” on 25th June 2020 and scored 85% and 80% respectively. The event was conducted by Computer Science with GK.
- **Sreelekshmi R.S, Anjana Krishnan and Saranya Raj S(S4 CE)**, participated in an Online Technical Quiz on C/C++ programming language “#INCLUDE”, organized by the Dept. of Computer Science and Engineering, A.W.H. Engineering College, Kozhikode, on **2nd July, 2020**.
- **Bhagya R B, and Aparna B (S6 CSE)** participated in an online technical quiz #INCLUDE organized by Dept. Of computer science and engineering AWH Engineering college on **2nd July, 2020**
- **Sreelekshmi B S (S2 CSE)** attended a technical quiz on C programming hosted by AWH Engineering college Kozhikode on **2nd July, 2020**
- **Arun S (S4 CSE)** participated in HKBK College of Engineering –Java Quiz Series on **9th July, 2020** conducted by Department of CSE and ISE in association with HKBKCE-CSI Student branch and HKBKCE –Innovation club.
- **Akshay J, Sandra SP and Niranjana SS of S2 CSE** participated in the online quiz competition based on life of Gandhi hosted by NSS Unit TKM College of Engineering on **12/07/2020**
- **Akshay J of S2 CSE** participated in an online quiz based on computer foundations organised by PSNA college of Engineering and Technology from **08/07/2020-15/07/2020**



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❖ NATIONAL SYMPOSIUM

- Akshay J of S2 CSE attended a National symposium on digital transformation conducted by GIBS Bangalore on 01/07/2020

CONTRIBUTORS TO THIS EDITION

Dr. T. MathavarajRavikumar(Principal), Ms. DivyaMadhu (HoD in charge CSE), Mr.Ramu Rajendran(Asst.Prof ME), Ms Anjana.(Asst.Prof ECE),Ms.Karthika E.T.(Asst.Prof EEE) ,Ms RiniMadhavan Rajeev(Asst.Prof.CE),Ms Sreejam.M (Asst. Prof CSE),Ms Abitha (Asst.Prof A.S) Ms VigithaVidyadhar (Asst.Prof A.S) 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