



# CIVISTA '21

## DEPARTMENT OF CIVIL ENGINEERING



### INSTITUTE VISION

"Moulding Professionals par Excellence with Integrity Fairness and Human Values".

### INSTITUTE MISSION

- We commit to develop the institution into a Centre of Excellence of International Standards.
- We guide and mould our students in the attainment of intellectual and professional competence for successfully coping with the rapid and challenging advancements in technology and the ever changing world of business, industry and services.
- We help and support our students in their personal growth shaping them into mature and responsible individuals.
- We strive to cultivate a sense of social and civic responsibility in our students, empowering them to serve humanity.
- We promise to ensure a free environment where quest for the truth is encouraged.

### DEPARTMENT VISION

"Building Professionally Competent and Motivated Engineers in the Arena of Civil Engineering with High Professional Ethics."

### DEPARTMENT MISSION

1. To promote a better teaching learning process through academically proficient faculty, full-fledged laboratories and excellent infrastructure facilities.
2. To equip the graduates with knowledge, research and practical skills in modern Civil Engineering practices and techniques.

3. To inculcate knowledge of sustainability in various domains of Civil Engineering.
4. To nurture Civil Engineers into ethically strong and responsible leaders to address global challenges through quality education.

### PROGRAM EDUCATIONAL OBJECTIVES (PEOs)

#### Our Graduates

- ☑ Shall tackle the multiple responsibilities of analysis, design and construction of traditional and modern systems in compliance with various codes of practices and to meet the current technical challenges.
- ☑ Shall be proficient in the use of relevant software packages for planning, designing, scheduling, executing and controlling of Civil Engineering projects, with an urge for life-long learning.
- ☑ Shall function effectively with individual capabilities as well as with a collective strength as a professional team with good communication skills.

### PROGRAM SPECIFIC OUTCOMES (PSO)

#### Our Graduates shall have

1. Ability to utilize Civil Engineering principles and software that are appropriate to solve technical problems; prepare design and construction documents ; create structural systems; produce drawings, reports and quantity estimates related to the Civil Engineering domain.
2. Ability to utilize modern surveying methods for land measurement and/or construction layout and to conduct standardized field /laboratory tests related to Civil Engineering.



**VISWAJYOTHI**  
COLLEGE OF ENGINEERING & TECHNOLOGY

Approved by AICTE New Delhi & Affiliated to APJ Abdul Kalam Technological University





### PRINCIPAL'S MESSAGE:

Engineering is an art of harnessing resources from nature for the use and convenience of man. A Civil engineer's skill thus lies in skillful management and accommodation of man in tune with nature. In other words he may contribute to the making of the right atmosphere for building a house that is to be transformed in to a home. To this end our undergraduates have to step out of their comfort zones that they may begin to feel the signs of desirable change, growth and stellar formation. To face it squarely, all what one has to do is to keep moving balancing ones way as riding a bicycle!

Dr. K.K.Rajan

### FROM THE EDITORIAL BOARD

It's with great pleasure we showcase the eighth edition of CIVISTA-the glistering newsletter of CIVIL DEPARTEMENT. We would like to acknowledge and thank all the people who have directly or indirectly contributed during the making of this newsletter. CIVISTA was and always will be the output of the tireless efforts put forth by both staff and students. This attempt to feature all the efforts put forward by Civil Department for overall development of the students and as a whole will continue with your whole hearted support.

Ms. Jerin Jose (AP,CED)

Staff Editor, CIVISTA

### CONFERENCES/SEMINARS & TRAINING

- Prof. Shine George delivered a session on "Legal Perspective of Disaster Management and Preparedness" as part of "Crisis and Disaster Management " Internship offered to Law students on June 11, 2021.
- Dr. Anoop C K nominated as Convener of a Hydrology session for American Geophysical Union, AGU, Fall meeting 2021, New Orleans LA, 13-17 December 2021.
- Dr. Anoop C K attended UNESCO-ISI Online Training Workshop on Sediment Transport Measurement and Monitoring, Hosted by UNESCO from 5/7/2021 to 9/7/2021
- Dr. Anoop C K attended W12+ Waterwise Solutions Database Training Webinar, Hosted by International Hydrological Program IHP and UNESCO on 4/3/2021
- Mrs. Tina Jose and Mrs. Neena M Joseph attended A DTE sponsored online Faculty Development Programme on 'Novel Materials and Technology For Sustainable construction'- organised by Department of Civil Engineering, Govt. Engineering College Kozhikode from 22/3/2021 to 27/3/2021.
- Mrs. Bijimol Joseph, Mrs.Devina Vipinan, Mr. Appu John, Ms. Jerin Jose and Ms. Finu John attended a webinar on 'Fourth Industrial Revolution and Future of Employment' organised by department of Civil Engineering VJCET on 1st March 2021.

### HOD'S MESSAGE

We are pleased to bring out this new edition of newsletter which chronicles our activities and achievements for the past semester.

The recent pandemic situation and the curriculum revision of KTU is in line with the huge demand for qualified graduates who are tuned in to the latest technologies and international trends, with good communication skills. More work has to be put in to transform this into practice.

When our students are trained to evolve as engineers par excellence with integrity, veracity and human values, our vision statement would be met in its true spirit to the core!



Ms.Shine George

- Mrs. Amrutha S, Mr. Appu John, Mr. Lins Paul Kuriakose and Mrs. Ancy Genu George attended 8 day online Faculty Development Program on GEOSYNTHETICS FOR GROUND IMPROVEMENT sponsored by APJ Abdul Kalam Technological University and organised by Department of Civil Engineering, SCMS School of Engineering and Technology from 18th May 2021 to 27th May 2021.
- Mrs.Devina Vipinan, Mrs. Amrutha S and Mrs. Finu John attended TEQIP PHASE II sponsored Online Faculty Development Programme on "SMART MATERIALS AND TECHNOLOGIES IN CIVIL ENGINEERING" organised by Department of Civil Engineering, College of Engineering Kidangoor from 22-02-2021 to 26-02-2021.
- Mrs.Devina Vipinan, Mrs. Amrutha S and Mrs. Ancy Genu George attended 5 day online Faculty Development Program on "Advances in physical and numerical modelling in Geotechnical and Geo-Environmental Engineering "from 21st to 25th June 2021 organised by Department of Civil Engineering, Musaliar College of Engineering & Technology, Pathanamthitta.
- Mr. Appu John attended a webinar on "Career Openings for Civil Engineers in Public sector"organized by Civilianz on 29th May 2021.
- Mr. Lins Paul Kuriakose attended 5 day faculty development programme on "Exploring Entrepreneurship and Startup Opportunities" conducted by Sri Venkateshwara College of Engineering and Technology, Puducherry from 5/7/2021 to 9/7/2021.
- Mr. Lins Paul Kuriakose, Ms. Tintu Shine A L and Ms. Jerin Jose attended 5 day faculty development programme on "Forensics in Structural and Geotechnical Engineering" conducted by Albertian Institute of Science and Technology from 15/3/2021 to 19/3/2021.

### FACULTY ACHIEVEMENTS

- Mrs. Bijimol Joseph, Ayona V George, Roserani Thottan, Irin Mary Shaju, Soni Shaju published a paper on "Manufacturing of Brick using Flood deposited Soil and Fly Ash" in International Journal of advances in Engineering and management ISSN No: 2395-5252, June- 2021.



- Mr. Appu John, Nija S M, Joice George, Athira Sunil, Benilo Jose published a paper on "Effect of Sodium Silicate on Properties of Banana Fibre Reinforced Concrete" in International Research Journal of Engineering and Technology (IRJET)ISSN No: 2395-0056, June-2021.
- Mr. Lins Paul Kuriakose, Basil Achenkunju, Bincy Baby, Sherwin Suresh, Sreeparvathy M Subash, published a paper on "Comparative Study of Operating Speed of Vehicles on Horizontal Curve using ANN & Regression Models" in International Journal of Engineering Research and Applications (IJERA)ISSN No: 2248-9622, June- 2021.
- Mr. Lins Paul Kuriakose, Abel Peter Sunil, Glen Babu, Faris Mohammed, published a paper on "Analysis and Design of Three storey Commercial Building" in International Journal of Engineering Research and Applications (IJERA) ISSN No: 2395-0056, May- 2021.
- Mrs. Neena M Joseph published a paper on "Safety evaluation of multiple horizontal curves using statistical models" in International Journal of Vehicle Safety ISSN No: 1479-3113, June- 2021.
- Mrs. Soumya Rani P Thomas, Roshan Reji, Akshay Xavier, Anandu P Juna, published a paper on "Manufacturing and Testing of Bamboo-Embedded Concrete Bricks" in IRJET ISSN No: 2395-0056, May-2021.

#### PROFESSIONAL ACTIVITIES

- A Webinar was organized by IGBC and Alumni chapter, VJCET for final year students by Mr. Joseph Roy( Alumni 2014-2018 batch, pursuing MS, The University of Texas, USA) on "Openings for Civil Engineering Graduates in the United States" on 31/3/2021. IGBC also organized a talk for second year students by Mr. Nibu John (Creative Director and Partner, Mindmine Brand Communications) on "Urban Forestry Essentials" on 22/5/2021.
- A Webinar was organized by Department of Civil Engineering in association with ISTE by Mr. Mohammed Haris T M Tekla Steel Detailer, C & S Design and Engineering Cochin on "Advances in Steel Design and Detailing Software" on 21/4/2021.

#### BEST PROJECT PAPER OF THE BATCH 2017-21

- The project entitled "Drainage Rehabilitation at Cochin Corporation" by Aleena Shaju, Ameena Rafeek, Samad Aadil and Namitha Binu of S8 CEB(2017-21 Batch) was selected as the best project for the academic year 2020-21.

#### STUDENT ACHIEVEMENTS, ATTENDED PROGRAMS, INTERNSHIPS

- George K Alosius, Fairouse Kabeer, Akshara Santhosh, Sam Jaison, Aswin S, Ayushraj K R, Devika N S, Soya Joshy, Brinta k Jose, Amitha Raj, Artha Sivaj, Aiswarya K, Robert Biju, Ananya Sathyan and Lakshmi J Nair of S2 CE has completed 5 days online internship program on 'Geotechnical Investigation and Building Construction' conducted by Madeckal Constructions from 27 th May to 31 st May 2021.
- Aiswarya Raju, Arun Rajan, Eldho Babu, Vysakh A S, Muhammed Anshil Rezvi and Jeevan James of S4 CEA participated in a webinar on Fourth Industrial Revolution and Future of Employment, organized by Department of Civil Engineering, in

association with III cell and IEDC, Viswajyothi College of Engineering and Technology, Vazhakkulam on 1st March 2021

- Alan Sunny, Arun Rajan, Ben Varghese, Dheeraj Raju, E Geevarghese, Vysakh A S, Sivapriya S Nair, Sona Mariyam Sunny, Sherin Lina George, Parvathi Suresh, Navaneetha S, Muhammed Anshil Rezvi and Jeevan James of S4 CEA has completed Internship program on Geotechnical Investigation and Building Construction conducted by Madeckal constructions from 27th to 31st May 2021
- Anitta Joseph, Anitha Benny and Dheeraj Raju of S4 CEA have done five day internship program on Building Information Modelling(BIM) conducted by JayArc Construction from 1st June to 5th June 2021
- Harikrishnan T.P of S4 CEA has completed an online course on "Fundamentals of Graphic Design" offered by California Institute of the arts and offered through Coursera on July 30th 2021.
- Haripriya Biju of S4 CEA has been Selected as NSS volunteer secretary of unit 587.
- Anna Maria George has attended course on "Data Science for Civil Engineering" from 7th to 14 th February 2021
- Devadhath Mohan has completed Internship program on Geotechnical Investigation and Building Construction conducted by Madeckal constructions from 27th to 31st May 2021
- Anamika S Nair of S6 CEA secured Elite grade in NPTEL Examination.
- Anamika S Nair of S6 CEA secured 142 marks in National Engineering Olympiad Exam 2021.
- Anamika S Nair of S6 CEA attended IEDC Summit 2021
- Berlit Johny of S6 CEA secured Certificate of Excellence in National Engineering Olympiad 4.0
- Aleena Nasar, Fhmitha Hameed and Sulthana P S of S6 CEB presented paper in ICITES 2021 "A Review on GPR Drone Integrated System"
- Sandra Maria Siby, Deena Thankachan, Anjaly Girish, Anugraha Mathew, Fahmitha Hameed, Riya Regi, Rose Maria Joseph and Fathimath Suhara P.A. of S6 CEB had participated in National Engineering Olympiad 4.0 in May 2021.
- Sandra Maria Siby, Anjaly Girish, Anugraha Mathew, Fahmitha Hameed and Rose Maria Joseph of S6 CEB had attended a Workshop on BIM on 6-7-2021 Conducted by BIMLABS Engineering Pvt.Ltd, Kazhakkootam.
- Deena Thankachan, Ebeena Elias, Anjana V, Santhra Regi, Rislin, Swathi Sreeraj, Niya Shajan, Jismy Joy, Abina Joseph, Ashly M. Assainar, Akhil Sunil and Abin Sabu of S6 CEB completed five day internship at Madeckal Constructions from 27th May 2021 to 31st May 2021
- Anitta Elizabeth Benny of S8 CEA - selected for L&T's Build India Scholarship scheme and sponsored for admission to M.Tech in Construction Technology & Management in National Institute of Technology Karnataka, Surathkal
- Abin K Geordy, Aditya S, Ajith Lal, Akhil James, Alen K Bino, Anila Gopi, Ann maria Tony, Arvind S, Athira Sunil, Basil John, Dhiya Shanto, Edwin Jolly, Evelyn Antony, Famina Kassim, Glen Babu, Jins



James, Jubin Mathew, Mareeta Thaus, Meriya Robin, Nija S M, Paul P Shibu, Safna K Muhammed, Sandra Elsa Paul, Sherwin Suresh and Sreeparvathi M S of S8 CEA has participated in Webinar on TEKLA Structural Designing and Detailing in association with Department of Civil Engineering, VJCET

- Arun Augustine, Athira Sunil, Benilo Jose, Femina Kassim, Krishna Baby, Safna K Muhammed and Sara Joseph of S8 CEA have completed Bootcamp for Civil Engineering Students on Career Guidance organised by protrainy from 14-04-2021 to 18-05-2021.
- Glen Babu has completed BIM: from sketch to digital twin - an online non-credit course authorised by Peter the Great St. Petersburg Polytechnic University and offered through Coursera on 03-03-2021.
- Roshan Reji of S8 CEA has completed Mindshift : Break Through Obstacles to Learning And Discover Your Hidden Potential - an online non-credit course authorized by McMaster University and offered through Coursera on 23-05-2021.
- Mareeta Thaus S8 CEA has successfully completed the first round of Ultra Tech IndiaNext Stimulus, an online Civil Engineering Quiz Competition held on 21-02-2021 through Skillablers Quizzing Platform and has qualified for the second round.
- Faris Mohammed S8 CEA has completed 5-day workshop on Building Forensics from 12th May 2021 at Zindot Technologies, Kochi.
- Anjalín Joby and Athira B of S8 CEB qualified GATE 2021.
- Jacob George, Samad Aadil M N, Eldhose B Abraham, Ahin Roy, Basil Johnson mathew, Ebin Paul and Nandu Krishna Mohan of S8 CEB had undergone internship in Madeckal Construction
- Jacob George, Elizabeth Giju, Kavya Paul, Ebin Paul, Joel Oommen, Samad Aadil M N, Ahin Roy, Anmy Saju and Anjalín Joby of S8 CEB has participated in Webinar on TEKLA Structural Designing and Detailing in association with Department of Civil Engineering, VJCET.

## UNIVERSITY EXAM RESULTS



## ACADEMIC EXCELLENCE



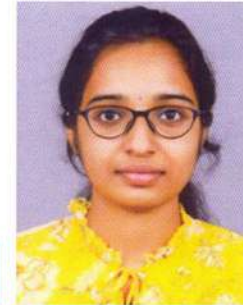
Ms. Gouri Priya N Nair (S2 CE A)  
S2 CE-10 (SGPA)  
(2019-2023 BATCH)



Ms. Hansa Noushad (S2 CE A)  
S2 CE-10 (SGPA)  
(2019-2023 BATCH)



Ms. Anugraha Mathew  
(S5 CE B)  
S5 CE-9.8 (SGPA)  
(2018-2022 BATCH)



Ms. Athira K.C (S8 CE A)  
S8 CE-9.53 (CGPA)  
Fr. Puthenkulam  
Memorial Award  
Winner - Civil dept.  
(2017-2021 BATCH)



Athira B (S8 CE B)  
S8 CE-9.39 (CGPA)  
Best outgoing student  
nominee from  
Civil department

## PLACEMENT UPDATES

### INFOSYS

Anitta Elizabethu Benny  
Anju Antony  
Meriya Robin  
Nihala Jamal  
Tresa James

### TCS

Anitta Elizabethu Benny  
Basil John  
Varghesekutty B.

### SILPI ARCHITECTS

Basil John  
Aditya S  
Arvind S

### ELEATION

Kavya Paul Chakkalalal

### SUTHERLAND

Aravind Venugopal  
Aleena Lal  
Abel Peter Sunil  
Glen Babu  
Safna K. Muhammed  
Basil Johnson Mathew  
Jayanthan K N  
Peter Jose  
Aleena Shaju  
Amitha Raj  
Anmy Saju  
Arjun Rajeev  
Athira B  
Basil Varghese  
Manikandan N M  
Namitha Binu