



# VISWAJYOTHI

## COLLEGE OF ENGINEERING & TECHNOLOGY

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**NEWS  
LETTER**

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# CIVISTA '22

## 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.

## PRINCIPAL'S MESSAGE:



Together with academic excellence VJ CET focusses on the overall personality development of each student to turn them out as professional engineers who are able to communicate and interact effectively with all kinds of stake holders in their future careers. I am extremely delighted to know that Department of Civil Engineering is bringing out their biannual newsletter. "CIVISTA" offers a glimpse of student's activities and achievements, industrial interaction and overall development of department in a semester. I feel delighted by the sheer number of contents that have come pouring in for the newsletter. This is a clear evidence of the positive and creative energy of faculty members and students of Civil Engineering Department of VJ CET. Congratulations to the editorial team for compiling it in the best way possible.

Dr. K.K.Rajan

## HOD'S MESSAGE



We, the Department of Civil Engineering, feel our enthusiasm to publish the tenth volume of our departmental newsletter, 'CIVISTA'22'. The department has served as a launching pad for attractive career opportunities in academia and industry as revealed by our placement records. I congratulate the students for their meritorious achievements. It may well be attributed to the excellent team of faculty members and supporting staff; - well experienced, committed and devoted in imparting holistic training as to make our students industry fit. I also appreciate the earnest efforts of the editorial board in compiling and publishing this edition.

Keep going, Team CIVIL

Dr.Shine George

## FROM THE EDITORIAL BOARD

It is very important to create a generation of confident, and competent engineering professionals well equipped to face the unique challenges of modern industry. This edition of the newsletter of the Department of Civil Engineering is the reflection of Departmental activities— the achievements, the spirit of all the students and teachers, experiences and everything that is a part of the B. Tech in Civil Engineering course, be it curricular, co-curricular or extra— curricular during this semester. We would like to thank Dr. Shine George (HOD, Civil) for her continuous motivation and feedback for the final draft of CIVISTA' 22. We would also like to thank all the faculties and students of the Civil Engineering Department who constantly supported us with all the necessary data for coming up with this newsletter

**Ms. Roniya Joseph (A.P, CED) & Ms. Tessin Paul (A.P, CED)**  
Staff Editors, CIVISTA

## CONFERENCES/SEMINARS & TRAINING

- Dr. Shine George participated in 5 days online Faculty Development Program on "Recent Advances in Structural Engineering" conducted by VJ CET, Ernakulam from 09/08/2022 to 13/08/2022.
- Dr. Anoop CK participated in 5 days online Faculty Development Program on "Recent Advances in Structural Engineering" conducted by VJ CET, Ernakulam from 09/08/2022 to 13/08/2022.
- Mr. Appu John participated in 5 days online Faculty Development Program on "Recent Advances in Structural Engineering" conducted by VJ CET, Ernakulam from 09/08/2022 to 13/08/2022.
- Mrs. Amrutha S participated in 5 days online Faculty Development Program on "Recent Advances in Structural Engineering" conducted

by VJ CET, Ernakulam from 09/08/2022 to 13/08/2022.

- Mrs. Ancy Genu participated in 5 days online Faculty Development Program on "Recent Advances in Structural Engineering" conducted by VJ CET, Ernakulam from 09/08/2022 to 13/08/2022.
- Mrs. Bijimol Joseph participated in 5 days online Faculty Development Program on "Recent Advances in Structural Engineering" conducted by VJ CET, Ernakulam from 09/08/2022 to 13/08/2022.
- Mrs. Bijimol Joseph participated in 5 days Faculty Development Program on "Emerging Trends in Energy Efficient Building Construction" conducted by Department of Civil Engineering, ToCh Institute of Science and Technology, Arakkunnam, Ernakulam from 12/12/2022 to 16/12/2022.
- Mrs. Devina Vipinan participated in 5 days online Faculty Development Program on "Recent Advances in Structural Engineering" conducted by VJ CET, Ernakulam from 09/08/2022 to 13/08/2022.
- Mrs. Finu John participated in 5 days online Faculty Development Program on "Recent Advances in Structural Engineering" conducted by VJ CET, Ernakulam from 09/08/2022 to 13/08/2022.
- Mr. Lins Paul Kuriakose participated in 5 days online Faculty Development Program on "Recent Advances in Structural Engineering" conducted by VJ CET, Ernakulam from 09/08/2022 to 13/08/2022.
- Mr. Lins Paul Kuriakose participated in 5 days online Faculty Development Program on "Futuristic Research Scope in Civil

Engineering" conducted by CK College of Engineering & Technology, Cuddalore, Tamil Nadu from 23/08/2022 to 27/08/2022.

- Mr. Lins Paul Kuriakose participated in 1 week Faculty Development Program on "Advanced Research and Quality Publications" conducted by Federal Institute of Science & Technology, Ernakulam from 29/08/2022 to 02/09/2022.
- Ms. Meril Jose participated in 5 days online Faculty Development Program on "Recent Advances in Structural Engineering" conducted by VJCET, Ernakulam from 09/08/2022 to 13/08/2022.
- Mrs. Neena M Joseph participated in 5 days online Faculty Development Program on "Recent Advances in Structural Engineering" conducted by VJCET, Ernakulam from 09/08/2022 to 13/08/2022.
- Mrs. Soumya Rani P Thomas participated in 5 days online Faculty Development Program on "Recent Advances in Structural Engineering" conducted by VJCET, Ernakulam from 09/08/2022 to 13/08/2022.
- Mrs. Tina Jose participated in 5 days online Faculty Development Program on "Recent Advances in Structural Engineering" conducted by VJCET, Ernakulam from 09/08/2022 to 13/08/2022.

#### **FACULTY ACHIEVEMENTS**

- Mr. Lins Paul Kuriakose published a paper on "Effect of Polymers in Bituminous Road Pavements" in International Research Journal of Engineering and Technology (IRJET) Vol.9- Issue II (November 2022), ISSN:2395-0056, pg. 3419-3422.
- Ms. Neena M Joseph and Ms. Minu C Joy published a paper on "Performance Investigation and Energy Optimisation in Hybrid Electric Vehicle Model using Reinforcement Learning and Fuzzy Controller" in International Journal of Vehicle Performance, Vol. 9, Issue I, pg. 73-90.
- Ms. Neena M Joseph, M. Harikrishna, M.V.L.R. Anjaneyulu and Ikey Elzen Mathew published a book chapter on "Operating Speed Prediction of Vehicles at Combined Curves Using Mixed Effect Modelling Approach" in the Lecture Notes in Civil Engineering book series (LNCE), Vol. 261.

#### **PROFESSIONAL ACTIVITIES**

- One week Hands-on Workshop on "Total Station Surveying" was organised by the Department of Civil Engineering, VJCET for S7 Civil Engineering students from 6-10-2022 to 11-10-2022.
- A seminar on "Interior Designing as a Passion and Profession" by Ms. Sunitha Philips, Interior Architect, D-Zign Group of Institutions, Kochi was organized by the Department of Civil Engineering, VJCET for S7

Civil Engineering students on 27-10-2022.

- An Induction Program on "New Dawn in Civil Engineering" by Ms. Aiswaraya Roby, Systems Engineer Trainee, TCS, Kochi as a part of Alumni Interaction was organized by the Department of Civil Engineering, VJCET, for S1 Civil Engineering students on 29-10-2022.
- Awareness session on "Post Covid Employment Opportunities for Civil Engineers" was organized by the Department of Civil Engineering, VJCET for S7 Civil Engineering A Batch students on 31-10-2022.
- A Seminar on "Sustainability in Civil Engineering" was organized by the Department of Civil Engineering, VJCET for S1 Civil Engineering students on 02-11-2022.
- One day workshop on "Autodesk Fusion 360- Beginner's Boot Camp" by Mr. Jishnu S, Mr. Rajesh M, BIMIT, Aluva was organized by the Department of Civil Engineering, VJCET for S7 Civil Engineering students on 16-11-2022.
- Technical session on "QAQC in Civil Engineering" by Mr. Hari Shankar, IREZ Academy, Kochi was organized by the Department of Civil Engineering, VJCET for S7 Civil Engineering students on 17-11-2022.
- A Seminar on "How to get a Core Job" by Mr. Sijo Joseph, Director, CADD Campus (I) Pvt. Ltd. was organized by the Department of Civil Engineering, VJCET for S7 Civil Engineering students on 23-11-2022.
- A technical exhibition was organized by the Department of Civil Engineering, VJCET for Higher Secondary students from neighbouring schools from 25-11-2022 to 26-11-2022.
- A webinar on "Careers in BIM" by Mr. Midhun Das, Director, BIM Channel, KSA & UAE was organized by the Department of Civil Engineering, VJCET for S7 Civil Engineering A Batch students on 26-11-2022.
- A webinar on "Seismic Analysis Using STAAD Pro" by Zero Pi, Kochi was organized by the Department of Civil Engineering, VJCET for S7 Civil Engineering B Batch students on 26-11-2022.
- Civil Engineering Association 'CIVISTA 2022-23' was inaugurated by Er. V S Sanjay Kumar, Principal Scientist and Head Traffic Engineering and Safety Division KSCSTE-NATPAC organized by Department of Civil Engineering in association with NDLI Club, VJCET.

#### **STUDENT ACHIEVEMENTS, ATTENDED PROGRAMS, INTERNSHIPS**

- ANN MARIA CHRISTY of 22-26 Batch had secured first position in Visual Measurement in ASTHRA 7.0, National Level Annual Technical Fest, by St. Joseph's College of Engineering and Technology, Palai.

- AMEENA K BASHEER, AMRITHA S, ANANDHU PRAKASH and EVEETA THOMAS of 21-25 Batch had successfully participated in online hands on training program on 'EBSCO Business Source Elite for Management Research organised by NDLI Club, VJCET.
- AMEENA K BASHEER, AMRITHA S, ANANDHU PRAKASH and EVEETA THOMAS of 21-25 Batch had successfully participated in technical talk on 'Power Scenario in Kerala' organised by NDLI Club, VJCET.
- AMEENA K BASHEER, AMRITHA S, ANANDHU PRAKASH and EVEETA THOMAS of 21-25 Batch had successfully participated in technical talk on 'How to make Job a Lahari' organised by NDLI Club, VJCET.
- EVEETA THOMAS of 21-25 Batch had successfully participated in 'KNIMBUS User -Training' organised by NDLI Club, VJCET.
- AMEENA K BASHEER and EVEETA THOMAS of 21-25 Batch had successfully participated in technical talk on 'How to get a core Job' organised by NDLI Club, VJCET.
- ALU ROSE RAJESH and NANDANA THULASIDHARAN of 21-25 Batch had successfully participated in a webinar on 'Challenges and New Frontiers in Artificial Intelligence' organised by TOCH Institute of Science & Technology, Emakulam.
- AMEENA K BASHEER of 21-25 Batch had successfully participated in the 'Global Event: Afternoons with an Author- AIR cmde Nitin Sate's book 1971.1999. War Stories' organised by NDLI Club, VJCET.
- AMEENA K BASHEER of 21-25 Batch had successfully participated in the 'Technical Talk: The Transistor at 75 – Past, Present and the Future' organised by NDLI Club, VJCET.
- ANTONY JOBISH of 20-24 Batch had successfully completed a 5 day internship in 'Interior Designing' by TECHMAGHI.
- AKSHARA SANTOSH of 20-24 Batch had successfully participated in 'ARDUINO- HANDS ON TRAINING WORKSHOP' by IEDC in association with IIIC, VJCET.
- ASIF NAZAR of 20-24 Batch had successfully coordinated 'ARDUINO-HANDS ON TRAINING WORKSHOP' by IEDC in association with IIIC, VJCET.
- ALBERT SEBASTIAN, ANJANA BIJU, E GEEVARAGHESE, FEBA BIJU, GOKULNATH M, GOKUL VIKRAM, GOURI PRIYA N NAIR, HANSA NOUSHAD and HARIKRISHNAN T.P of 19-23 Batch had successfully involved in 'Traffic Volume Count & Origin-Destination Survey' conducted by NATPAC for "Traffic Studies for Sabari Rail Project".
- JEEVAN JAMES, JIBIN JOHNSON, MUHAMMED ANSHIL REZVI, RIZWANA SALAM, SANJU GEORGE KURIAN, JOBIN WILSON, ARUN RAJAN, ALAN SUNNY, DHEERAJ RAJU and DAWN MATHEW VINCE of 19-23 Batch had successfully involved in 'Traffic Volume Count &

Origin-Destination Survey' conducted by NATPAC for "Traffic Studies for Sabari Rail Project".

- ANGEL MARY JOSHY, DILNA K.C, ANNA MARIA GEORGE, ELIZABATH SHAJAN, LEKSHMI AJAYAKUMAR, ROSHNA LISS MATHEW, B.GANESHRAJ, DONI BIJU and DANI BIJU of 19-23 Batch had successfully involved in 'Traffic Volume Count & Origin-Destination Survey' conducted by NATPAC for "Traffic Studies for Sabari Rail Project".

## PLACEMENT UPDATES



JOHN GEORGE  
(2018-2022 Batch)  
L & T



ANUGRAHA MATHEW  
(2018-2022 Batch)  
L & T



VARUN JACOB  
(2019-2023 Batch)  
TCS



ANKITHA MANOJ  
(2019-2023 Batch)  
TCS