

AUGUST 2023 | ACADEMIC YEAR 2022-2023

# TIMOSHENKO

DEPARTMENT OF CIVIL ENGINEERING  
SCHOOL OF ENGINEERING AND TECHNOLOGY

## Industry Associations



Connect with Us



## EDITOR'S NOTE

Dr. Jacob Alex Kollerathu



Dear Readers,

Welcome to the last edition for this year of Timosheko!

We are excited to present a summary of events conducted in the previous academic year.

In these rapidly evolving times, our mission at Timosheko remains steadfast—to provide you with thought-provoking insights, inspiring stories, and a fresh perspective on the subjects that matter most. From the latest trends to timeless classics, we aim to be your trusted source for valuable information and unparalleled content.

At this juncture, I would like to congratulate Dr Sujatha and Prof Laxmi for their contribution toward hosting a National seminar funded by DST-SERB. Also, Dr Beulah and Col. Sudhir on the Patent Grant. I take pleasure in thanking Dr Sarathchandra and the office bearers of CACE for making sure that our academic year was eventful.

As always, we express our heartfelt gratitude to our dedicated readers, contributors, and partners. Your unwavering support fuels our motivation to consistently raise the bar and deliver a magazine that is worthy of your time and attention.

Thank you for joining us on this thrilling journey. We hope you enjoy every page of this issue and that it inspires you to explore new horizons, embrace fresh perspectives, and embark on your own adventures.

Happy reading!

Sincerely,  
Jacob Alex

*What's in the Newsletter:*

**Vision and Mission**

Institutional  
Departmental

**PEOs and POs  
Programs**

Celebrations  
Dept. Events

CACE Events

**Achievements**



**nirf** RANK - 67



# VISION AND MISSION

## VISION

CHRIST (Deemed to be University), a premier educational institution, is an academic fraternity of individuals dedicated to the motto of **'EXCELLENCE AND SERVICE'**.

We strive to reach out to the star of perfection through an earnest academic pursuit for 'excellence,' and our efforts blossom into 'service' through our creative and empathetic involvement in society to transform it.

Education prepares one to face the challenges of life by bringing out the best in him/her. If this is well accepted, education should be relevant to the needs of the time and address the problems of the day. Being inspired by Blessed Kuriakose Elias Chavara, the founder of Carmelites of Mary Immaculate and the pioneer in innovative education, CHRIST (Deemed to be University) was proactive in defining and redefining its mission and strategies by reading the signs of the time.

## MISSION

*"CHRIST (Deemed to be University) is a nurturing ground for an individual's holistic development to make an effective contribution to the society in a dynamic environment."*

## CORE VALUES

THE VALUES WHICH GUIDE US AT CHRIST (DEEMED TO BE UNIVERSITY):

- Faith in God
- Moral Uprightness
- Love of Fellow Beings
- Social Responsibility
- Pursuit of Excellence



# DEPARTMENT OF CIVIL ENGINEERING

## ABOUT

Civil Engineering B.Tech course is designed to meet the needs of modern Civil Engg fields like Construction Technology, Geo-Technical Engg, Irrigation Engg, Transportation Engg, Structural Engg, Environmental Engg, etc. By the time students complete this course, they will be fully trained to analyse and design the complex structural systems

## VISION

Serve and excel in the constantly changing societal needs with ethics and integrity

## MISSION

**M1:** To create awareness of societal needs and ethics in the dynamic environment.

**M2:** To impart contemporary knowledge to achieve excellence in academics and profession through the experience of lifelong learning.

**M3:** To carry out research in collaboration with research organizations and industry to add value to the profession and society at large.

**M4:** Instil leadership qualities, communication skills and team spirit to meet challenges in the global environment.

## DEPARTMENT OVERVIEW

As one of the oldest branches of engineering, civil engineering involves analyzing, designing, and constructing public and private projects by integrating scientific principles with engineering experience. The programmes from the department are offered to facilitate the planning, design, and construction of residential and commercial buildings, railways, airports, dams, environmental pollution control systems, water purification and distribution systems, and urban transportation systems that enhance the quality of life.



## PROGRAMME EDUCATIONAL OBJECTIVE

### **PEO1: *Fundamental Knowledge***

A competent professional being aware of societal needs demonstrates by applying fundamental knowledge and technical skills to analyze and support the activities in the field.

### **PEO2: *Lifelong Learning***

Facilitate programs of lifelong learning, through skill-based courses and interaction with industry-leading to professional expertise.

### **PEO3: *Research and Consultancy***

Engage in research and consultancy projects of the department.

### **PEO4: *Leadership Qualities***

Develop a sense of social responsibility, leadership qualities, communication skills, and team spirit.

## PROGRAMME OUTCOMES

### **PO1: *Engineering Knowledge***

Apply the knowledge of mathematics, science, engineering fundamentals, and an engineering specialization to the solution of complex engineering problems

### **PO2: *Problem Analysis***

Identify, formulate, review research literature, and analyze complex engineering problems reaching substantiated conclusions using first principles of mathematics, natural sciences, and engineering sciences

### **PO3: *Design/Development of Solutions***

Design solutions for complex engineering problems and design system components or processes that meet the specified needs with appropriate consideration for public health and safety, and the cultural, societal, and environmental considerations

### **PO4: *Conduct Investigations of Complex Problems***

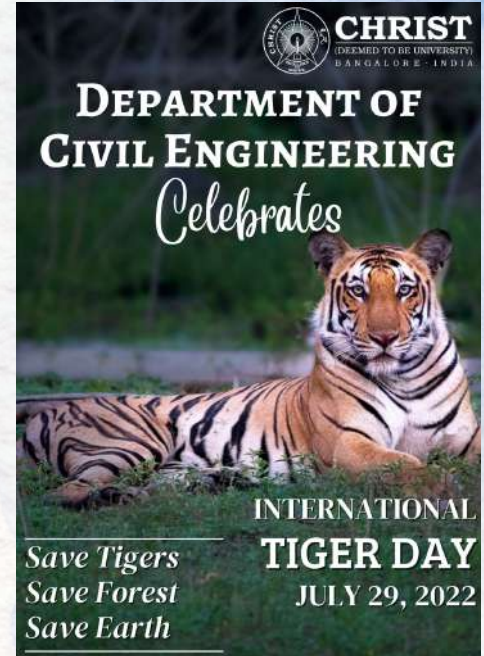
Use research-based knowledge and research methods including design of experiments, analysis, and interpretation of data, and synthesis of the information to provide valid conclusions.

# CELEBRATIONS AND OBSERVATIONS

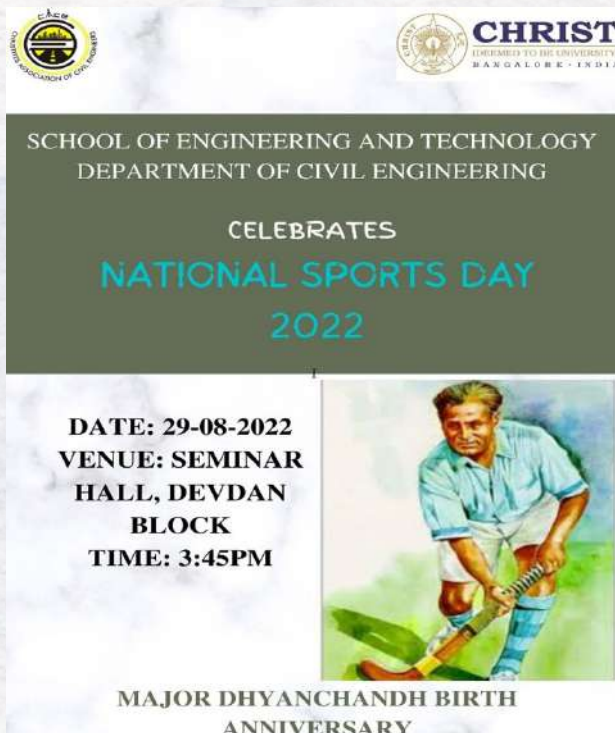
## INTERNATIONAL TIGER DAY

The Department of Civil Engineering organized an Awareness Talk to mark International Tiger Day celebration on 29 July 2022. All the students from the Civil engineering department took part in the Awareness talk with total energy.

Prof Adarsh spoke about the characteristics and behaviour of the tiger and their family structure which is our national animal; points stressed were on and discussed on the myths behind tigers.



## NATIONAL SPORTS DAY



The Department of Civil Engineering, in association with CACE, celebrated National Sports Day on 29 August 2022 to commemorate the birth anniversary of Major Dhyanchandh.

All students and faculty gathered in the seminar hall, and the program began with a silent prayer.

Ms Rahee talked about the importance of Sports in a student's life and the importance of Sports Day celebrations to remember the accomplished Indian players and their contributions to the nation. Col Sudhir talked about the importance of sports concerning physical and mental health and also shared how much preference is given to sports in the Indian Army.

# CELEBRATIONS AND OBSERVATIONS

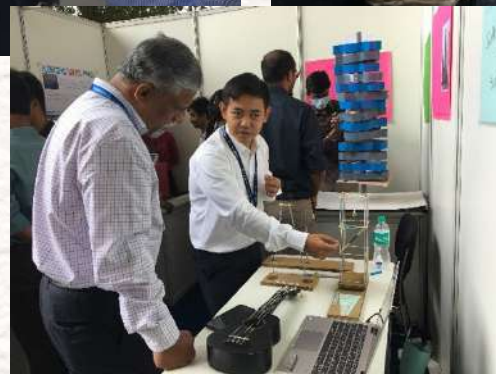
## ENGINEER'S DAY ICE<sup>TECH</sup>2022

School of Engineering and Technology celebrated Engineer's Day on 15 September 2022, the birth anniversary of Sir Mokshagundam Visvesvaraya. Department of Civil Engineering participated in celebrating Engineer's Day.

Dr Rakesh Kumar, IEEE Life Fellow, attended the event as the Chief Guest, lecturing on the Importance of Engineers in Society.

Department students showed keen interest in participating in this competition with 12 projects on different areas of civil engineering, including earthquake-resisting structures, floor alerting systems etc.

Mr Kristish from 3MTSE was declared the Winner, and Team CE07 comprised Jayesh, Mohith, Narasimha and Sam Joharsan as runners-up.



# CELEBRATIONS AND OBSERVATIONS



## NATIONAL CONSTITUTION DAY

SCHOOL OF ENGINEERING AND TECHNOLOGY  
DEPARTMENT OF CIVIL ENGINEERING

*Celebrates*



NATIONAL CONSTITUTION DAY  
NOVEMBER 26, 2022

"CONSTITUTION IS NOT A MERE LAWYERS DOCUMENT, IT IS A VEHICLE OF LIFE, AND ITS SPIRIT IS ALWAYS THE SPIRIT OF AGE." - DR. B. R. AMBEDKAR

TIME: 12:45 PM  
VENUE: SEMINAR HALL, DIVADAN BLOCK

"Constitution is not a mere lawyers document; it is a vehicle of life, and its spirit is always the spirit of the age". Faculty and Students of the Department of Civil Engineering celebrated National Constitution Day, an initiative the CACE office bearers took on 26 November 2022.

Secretary of CACE, Ms Anagha, explained the importance of the National Constitution Day celebration in India. Dr Raghunandan shared his thoughts on the Constitution of India as part of the celebrations, presented the Preamble, and requested all students to read and understand the Preamble to the Constitution.



Bengaluru, KA, India  
Kaniminike, Bengaluru, 560074, KA, India  
Lat 12.859553, Long 77.439424  
11/26/2022 12:59 PM GMT+05:30

# CELEBRATIONS AND OBSERVATIONS

## INTERNATIONAL WOMEN'S DAY



Students of the Department of civil engineering, in association with CACE, celebrated International Women's Day on 08 March 2023.

Dr Raghunandan Kumar, HoD, gave a message on Women's Day and explained the importance of women in everyone's life. Later, Dr Shibu explained how women played an essential role in his life to growing heights.

CACE conducted a poster-making competition on "Gender Equality for Today for sustainable tomorrow" for all the students; three teams participated actively, and Team A comprising Teena, Sandra and Anagha, was declared the winner.



Bengaluru,KA,India  
Kanminike, Bengaluru, 560074, KA, India  
Lat 12.859995, Long 77.439468  
03/08/2023 04:09 PM GMT-05:30





# DEPARTMENTAL EVENTS

## CACE INAUGURATION

It is a regular process of thanking the old office bearers of CACE and inducting the new office bearers during the inauguration of CACE.

The inauguration of CACE for the academic year 2022-23 was held on 27th August.

Dr Raghunadan gave the welcome address and welcomed all the guests, faculties, students and alumni. Mr Ashin presented a video of the events which are conducted in AY2021-22.

Dr Fr Sony presented appreciation certificates to CACE 2021-22 office bearers and released the 2022 newsletter, followed by his presidential address.

Fr. Dr Sony inducted all CACE 2022-23 office bearers. Mr Aditya was selected as President; Ms Anagha was chosen as Vice president; Mr Navaneeshwar was the Secretary for the AY 2022-23.

**CACE**  
CHRISTITIES ASSOCIATION OF CIVIL ENGINEERS

**CHRIST**  
(DEEMED TO BE UNIVERSITY)  
BANGALORE · INDIA

**SCHOOL OF ENGINEERING AND TECHNOLOGY**  
**DEPARTMENT OF CIVIL ENGINEERING**

**INAUGURATION OF  
"CHRISTITIES ASSOCIATION OF CIVIL ENGINEERS (CACE)"**

**ACADEMIC YEAR 2022-2023**

**27 AUGUST, 2022  
09:30 AM**

**VENUE:  
MINI SEMINAR HALL,  
BLOCK-II,  
KENGERI CAMPUS**

**CHIEF GUEST**  
MR SANTANU S,  
ASSOCIATE DIRECTOR - DEVELOPMENTS,  
COLLIERS INTERNATIONAL, INDIA

**GUEST OF HONOUR**  
DR RAGHAVENDRA Y B,  
TECHNICAL HEAD - RMC,  
HELLA INFRA MARKET PRIVATE LIMITED,  
BANGALORE

Industry Association  
L&T EduTech Colliers carbon constructions eco paradigm Patraage Estate manipal hospitals

NAAC ANTE NBA

Event Chief guest Mr Santanu delivered a talk on construction practices, and the Guest of honour, Dr Raghavendra, gave a talk on RMC in India, enlightening students in various aspects.

# DEPARTMENTAL EVENTS

## NATIONAL SEMINAR

Department of Civil Engineering, CHRIST(Deemed to be University) and the Science and Engineering Research Board (SERB) conducted a two-day National seminar on sustainable building materials and construction on the 22nd and 23rd of September 2022.



**SCHOOL OF ENGINEERING AND TECHNOLOGY**  
**DEPARTMENT OF CIVIL ENGINEERING**  
organises  
**NATIONAL SEMINAR**  
**ON**  
**SUSTAINABLE BUILDING MATERIALS**  
**CONSTRUCTION**

in association with  
Science and Engineering Research Board, Department of Science and Technology,  
Government of India



**22 and 23 September 2022**

**RESOURCE PERSONS**

 <p><b>Dr Prakash Narthagooban,</b> Associate Professor, IIT Bombay</p>	Sustainability at Construction Sites: A Myth or Reality?	 <p><b>Mr M N Ramesh,</b> Managing Director, Tatva Construction Chemicals.</p>	Sustainability in Remedial Engineering Projects of Civil Structures	 <p><b>Dr Nachalwichea</b> Professor &amp; HOD, RV College of Engineering, Bangalore</p>	Development of Fly-ash based Sustainable Building Materials
 <p><b>Dr B B Das,</b> Associate Professor, NITK Surathkal</p>	Hydration and Micro- structure Properties of Nano Silica Admixed Sustainable Cementitious Composites	 <p><b>Dr Neelam Mangunath,</b> CEO, Centre for Green Building, Materials and Technology, Bangalore</p>	Reengineering Bamboo	 <p><b>Dr Bhuvan Sakariah Thomas,</b> Fellowship Faculty Fellow, IIT, Coimbatore</p>	Use of Industrial by-products in Concrete
 <p><b>Dr Souradeep Gupta,</b> Assistant Professor, IISc, Bangalore</p>	Carbon Sequestration in Biochar-based Cementitious Building Materials	 <p><b>Dr Arjuneya Dixit,</b> Assistant Professor, IIT Roorkee</p>	Concrete: Boon to Bane and the Road Ahead		

**Industry Associations**





# DEPARTMENTAL EVENTS



# DEPARTMENTAL EVENTS

## EXTENSIVE SURVEY CAMP - MELKOTE (2022-23)

The survey camp is one of the most remarkable journeys in civil engineers' experience throughout their careers.

An eleven-day stay in the heritage town Melkote of Mandya district in Karnataka makes a great learning experience for every student to work at different survey sites to gain practical hands-on knowledge with the latest equipment, total station and some trending tools like ArcGIS.

This eleven-day camp helps students strengthen their academic knowledge and develop leadership qualities, teamwork and communication skills, which build their professional skills and personal integrity when working in teams so that they perform well in solving problems through critical thinking. The camp is also a fusion of knowledge and enjoyment, making it one of the most memorable times in college life; fire camp and ice-breaking session were conducted in the evening, making the centre a fantastic experience.



# CACE EVENTS

## CSA VISIT (CENTRE FOR SOCIAL ACTION)

**School of Engineering and Technology  
Department of Civil Engineering**

**organises**

**AWARENESS PROGRAM ON  
"TRAFFIC REGULATIONS AND WASTE  
MANAGEMENT"**

**@ GOVERNMENT SCHOOL,  
SHANUMANGALA  
17 AUGUST 2022**

Industry Association, L&T EduTech, Colliers, carbon, ECO paradigm, Fatmaga, maripal hospitals, AICTE Approved, NBA

The BTech Civil Engineering students, as a part of the extension activity, visited the Government school, Shanumangala, Ramanagar district, on 17 August 2022.

Prof Kamalakshi, Head of the school, welcomed and introduced the Civil Engineering Department to the audience.

The objective was to create awareness regarding sustainability in young minds. The topics presented were "Traffic Rules and Regulations" and "Waste Management".

The children were curious to know about these aspects. Mr Anoop Gowda, a V sem BTech student, took over the session to explain traffic rules through demonstration, posters and questionnaires in Kannada, which helped the students to understand the native language better. The final year students, Mr Aman, Mr Vishwas and Mr Gagan, explained how to minimise waste production, recycling techniques, protection of water bodies and waste management.



# CACE EVENTS

## INDUSTRY VISIT - AKSHAYAKALPA



India's first organic milk brand is called Akshayakalpa. Fresh Organic cow milk and other organic milk products are delivered to Bengaluru and Chennai.

By 12:30, we had arrived at AkshayaKalpa, where we were given a briefing on the value of Akshayakalpa dairy products in the modern dairy farming industry. Split into smaller groups, the students could check around the labs and facilities dedicated to developing new technologies for the agriculture and dairy industries.

The dairy product R&D centre maintained an exceptionally neat and orderly atmosphere. In order to maximize milk production, it was proposed to provide a stress-free environment for cows, hence reducing the amount of stress hormones that would otherwise be found in the milk. This would result in a more nutrient-dense dairy product.



# CACE EVENTS

## ALUMNI TALK

*05 September 2022*

Alumni talk on “Preparation for IELTS – Tips and Tricks” by Mr Ashlin Varghese and Mr Shivaputrappa Melligeri, Alumni from graduating B.Tech batch of 2020.

Because of many students expressed their wish to pursue their post-graduation abroad in countries such as Canada, Australia and the United Kingdom. The alumni emphasised the importance of a well-written statement of purpose and letter of recommendation from their faculties in getting scholarships and teaching assistantships from prospective universities abroad.



*04 February 2023*

Mr Yogeshwaran, who completed his master's in structural engineering at the Department of Civil Engineering, Christ University during 2019-21 and currently working as a design engineer at Atkins, Bangalore, had come to give a talk on principles of analysis and design of tall structures as part of alumni engagement.

Dr Raghunandan Kumar introduced Mr Yogeshwaran and his achievements to all the students and requested him to present on his topic.

Mr Yogeshwaran explained the assemblage of structural elements such as beams, columns, slabs, walls, footings etc. It also explained the building material and said that it plays a vital role as it affects the vision of a structure as it deals with appearance-related qualities of a structure, and it also impacts the durability of the structure. Highlighted Steel, concrete, timber, and masonry are the most common materials used in construction.

Upon completing his talk, Mr Yogeshwaran interacted with the master's students and clarified their doubts.



# CACE EVENTS

## COMPETITIONS

### Poster Making - 21 September 2022

CACE conducted a poster-making competition on 21 September 2022.

Six teams participated in the competition, and each team had two members. The theme given for poster making competition was Disaster Management. Students made posters on various verticals of disaster management and presented the poster in the seminar hall of Devadan block, kengeri campus.

Dr Shibu and Dr Sarath acted as judges. All students presented their posters mesmerisingly, which impressed all the other students and judges.

Mr Gunwanth from 5BTCL won the competition. In the end, Dr Shibu explained the process of presenting a poster in a better way and gave enough input for future competitions, which the students received well.



### Debate - 04 November 2022

CACE conducted a Debate competition on 4 November 2022. Eight teams participated in the competition, and each team had five members. The topic given for the debate was "Are Robots better than Humans". All the teams had given 5+1 minute time to debate their points.

Dr Sarath Chandra and Dr Arpan Pradhan were judges for the debate competition. CACE held A very successful event that took more than 2 hours to complete the competition.

Students had a fruitful discussion on the given topic and discussed many interesting points, and the audience also appreciated the discussion. The team comprising of Mr Anwin, Mr Gunwanth, Ms Anagha, Ms Teena and Ms Mounika from 5BTCL are the winners of the debate competition.





# CACE EVENTS

## Chess Competition - 14 November 2022



CACE conducted a Chess competition on 14 November 2022.

Twelve members participated in the competition. Students were requested to download the online chess game app on their mobiles. Instructions were given to all the participants before beginning the competition.

A total of four rounds were conducted to finalize the winner. Dr Sarath Chandra and Dr Shibu were invited as judges for the chess competition.

Mr Srinath from 5BCTI won the chess competition after clearing three rounds. It was an exciting competition where students enjoyed and were involved in the online chess game.



## Quiz - 10 January 2023

A Quiz is essential to improve the IQ of any student.

CACE office bearers decided to conduct a technical quiz on construction technology for all the civil engineering students on 10 January 2023.

CACE members invited Dr Aniket as the Judge for the event. Forty students participated in the competition and completed the quiz in the given time.

Dr Aniket evaluated the participants and announced Mr Darren as the winner with the highest score in the quiz competition.



# CACE EVENTS

## INDUSTRY VISIT - RMC PLANT VISIT



Industrial visits allow students to meet industry leaders, professionals, entrepreneurs, policymakers, and corporates who share their wisdom, learning, and experiences.

Dr Nabil arranged an industry visit to the RMC plant for all civil engineering students through CACE. Students visited the RMC plant of Hella Infra, Bangalore, on 08 November 2022.

The team from Hella Infra received the students and faculties upon reaching the industry. Dr Sarath Chandra, Prof Yogesh and Prof Laxmi accompanied the students for the industry visit.



Dr Raghavendra, Technical Head, RMC, Hella Infra, introduced the various aspects of the RMC plant. He explained the total process of RMC in detail. He also used multiple methods of casting and various types of concretes. He took all the students to the RMC park, where students witnessed various kinds of concrete and concrete products of different colours. He presented how their unit uses waste to produce various building materials as part of their research study.



# CACE EVENTS

## SKILLATHON WORKSHOP - 22 FEBRUARY 2023

Dr Jacob organised the event with Lear Water Dynamics Pvt, Ltd.



Water, Environment & Infrastructure Planning

Dr Rajesh from CWD introduced water resources, water supply and the new missions to supply water. He explained the importance of having the necessary and additional skills as a civil engineer, including dealing with technology, ability to do coding etc. He also introduced the guest speakers.



Shyam Prasad S gave an introduction to CWD Pvt Ltd. He explained the need for innovative and faster design mechanisms. Different topics were covered in this session, including the Jal Jeevan mission, Typical multi village water supply, improvised PCSWMM-backed methodology for the design of WDS by CWD, and timely delivery of WDS designs and estimates using PCSWMM.



# CACE EVENTS

## MAGNOVITE

3 March 2023

Magnovite is an annual Techno-cultural design and managerial fest conducted every year at the Kengeri campus, CHRIST(Deemed to be University).

The inauguration of Magnovite 2023 happened in the open auditorium on 2nd March, and Dr Jaya Shanthi, Director, Scientific Officers Group, DRDO, Delhi had come as the Chief guest for the inauguration of the twelfth edition of Magnovite 2023.

Department of civil engineering through the student association, CACE, had rolled two technical events called Innovative CAD Designer and Bridge Builders. Students from five colleges participated in the two technical events and showcased their talents.

Each event had three prizes, and all the participants received a participation certificate. Students from Reva College had won the first prize in both events, and the memento was presented to the winners by Dr Raghunandan Kumar, HoD of the Department of Civil Engineering.



# CACE EVENTS

## MAGNOVITE

3 March 2023

### INNOVATIVE CAD DESIGNER



### BRIDGE BUILDERS



# CACE EVENTS

## FAREWELL



It's a tradition in the Department of Civil Engineering to pay gratitude to all the teaching and non-teaching staff of the university for their selfless contribution during the academic year by celebrating gratitude day every year.

Mr Aditya welcomed all the gathering and began with a song to seek the blessings of the almighty. Ms Anagha delivered the gratitude day speech and proposed thanks to all the teaching and non-teaching staff on behalf of the Department of Civil Engineering students.



Then Talent recognition day was celebrated by presenting mementoes to all the best outgoing students and winners of various events conducted by CACE during the academic year 2022-23.



Dr Raghunandan Kumar, Head of the Department, presented mementoes and certificates to all the best outgoing students of UG and PG students in various categories like academics, sports, culture and overall category.

Certificates were also distributed to the students who achieved the best grades in the L&T Edutech program, and Col Sudhir presented the certificates and congratulated all the students.



# ACHIEVEMENTS

## CONFERENCE COLLABORATION

**DEPARTMENT OF CIVIL ENGINEERING  
SCHOOL OF ENGINEERING AND  
TECHNOLOGY**

**ORGANIZED AN  
"INTERNATIONAL CONFERENCE ON  
LANDSLIDE RISK REDUCTION"**

**AT**



**Institute of Land and Disaster Management  
Government of Kerala**

**IN ASSOCIATION WITH**



**LOYOLA COLLEGE OF SOCIAL SCIENCES  
AFFILIATED TO UNIVERSITY OF KERALA  
NAAC Re-accredited in its 3rd Cycle, CGPA 3.72 out of 4 - Grade A**

**14 & 15 OCTOBER, 2022**

**DEPARTMENT OF CIVIL ENGINEERING  
SCHOOL OF ENGINEERING AND  
TECHNOLOGY**

**ORGANIZED AN  
"INTERNATIONAL DISASTER RISK &  
VULNERABILITY CONFERENCE"**

**IN ASSOCIATION WITH**



**SUPPORTED BY**



**19 TO 21 JANUARY, 2023**

# ACHIEVEMENTS



## PATENTS



Dr. Beulah M

*Title:*  
**A Water Purifier with Flavour Infusion**  
**GRANTED**

*Design No.:* 347808-001  
*Date of Issue:* 16/12/2022



Dr. Nabil Hossiney J.

*Title:*  
**Safety System for Collision Avoidance  
in Rural Roads and Highways**

*Patent No.:* 202041006860  
*Year of Publication:* 2020



Dr. Narasimha Murthy K.N.

*Title:*  
**An IOT Based Remote Solar Monitoring  
System Design**

*Patent No.:* 202141010711  
*Year of Publication:* 2021



Dr. Beulah M



Col. Sudhir M.R.

*Title:*  
**Manufacture Of Red Mud And Waste  
Foundry Sand Based Sustainable Bricks**

*Patent No.:* 202141007336  
*Year of Publication:* 2021



Dr. Arpan Pradhan

*Title:*  
**A Disease Vulnerability and Combat  
Mapping Model for Tribal Fortification  
Using Geospatial**

*Patent No.:* 202231069849  
*Year of Publication:* 2022

## EXTERNALLY FUNDED PROJECTS



Dr Raghunandan K



Dr. Beulah M

### VALUE ADDITION IN MINE WASTE TAILINGS THROUGH GEOPOLYMER FORMATION

*Principal Investigator:* Dr Raghunandan Kumar R.  
*Co-PI:* Dr Beulah M.  
*Funding Agency:* Ministry of Mines, Government of India  
*Sanctioned Amount (Rs):* 12 Lakhs  
*Year and Duration:* 2014 (3 years)



Dr. Beulah M

### VALUE ADDITION IN WASTE FOUNDRY SAND FROM BELGUM FOUNDRY CLUSTER AND RED MUD FROM HINDALCO FOR USE AS A LOW COST CIVIL CONSTRUCTION MATERIAL

*Principal Investigator:* Dr Beulah M.  
*Funding Agency:* DST, Gov. of India  
*Sanctioned Amount (Rs):* 20.53 Lakhs  
*Year and Duration:* 2018 (3 years)



Dr. Shibu K Mani

### ASSESSMENT OF LANDSLIDE DISASTER RECOVERY PATTERN AND DEVELOPMENT OF RECOVERY FRAMEWORK FOR IDUKKI AND KOTTAYAM DISYRICTS, KERELA, INDIA

*Principal Investigator:* Dr Baiju K. R., M G University  
*Co-PI:* Dr Shibu K. Mani  
*Funding Agency:* ICSSR, New Delhi  
*Sanctioned Amount (Rs):* 12 Lakhs  
*Year and Duration:* 2023 (2 years)



# ACHIEVEMENTS

## AWARDS AND APPRECIATION

**Department of Civil Engineering  
School of Engineering and Technology  
Congratulates**



Dr. Shibu K Mani  
Organizing Committee Member



Dr. Sirisha Uppaluri  
Session Chair



Ashin Shaji  
8BTCE (2022-23)  
Student Participant



for their contribution to the "International Disaster Risk & Vulnerability Conference" jointly organized with



**Department of Civil Engineering  
School of Engineering and Technology  
Congratulates**



Dr. Shibu K Mani



on being honored with the CERTIFICATE OF APPRECIATION for the academic services to the School of Environmental Sciences, Mahatma Gandhi University.

# ACHIEVEMENTS

## AWARDS AND APPRECIATION

Department of Civil Engineering  
School of Engineering and Technology  
*Congratulates*



Col M R Sudhir



for a research presentation in an International Conference organized by Korea Concrete Institute, South Korea on 03 November 2022.



Department of Civil Engineering  
School of Engineering and Technology  
*Congratulates*



Col M R Sudhir



for receiving the BEST PAPER AWARD in the Conference organized by NIT Calicut in association with Six other Foreign Universities, during 13-20 December 2022



# ACHIEVEMENTS

200+

publications

- 20+ Web of Science/ SCI Indexed
- 60+ Scopus Indexed
- 20+ UGC Care List Indexed
- 13+ Book Chapters



# Transforming Education - Transforming Learning



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(+91) 916 087 0413  
(+91) 903 530 9554

## CHRIST (Deemed to be University) School of Engineering and Technology Bangalore Kengeri Campus

Kengeri, Mysore Road,  
Bengaluru - 560074, Karnataka, INDIA  
Ph: +91 80 4012 9800, Fax: +9180 4012 9898  
Email: [admission.engg@christuniversity.in](mailto:admission.engg@christuniversity.in)



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