



CHRIST
(DEEMED TO BE UNIVERSITY)
BANGALORE • INDIA

CACE NEWSLETTER 2021

DEPARTMENT OF CIVIL ENGINEERING
CHRIST (DEEMED TO BE UNIVERSITY)



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 the 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 to define and redefine its mission and strategies 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) are:

- 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 designing and constructing public and private projects to improve physical infrastructure and the environment. By integrating scientific principles with engineering experience, this course facilitates the planning, design, and construction of railways, airports, dams, environmental pollution control systems, water purification and distribution systems, and urban transportation systems that enhance the quality of life.

DEPARTMENT OF CIVIL ENGINEERING

PROGRAMME EDUCATIONAL OBJECTIVE

PEO-1: Fundamental Knowledge

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

PEO-2: Lifelong Learning

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

PEO-3: Research and Consultancy

Engage in research and consultancy projects of the department.

PEO-4: Leadership Qualities

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

PROGRAMME OUTCOMES

PO-1: Engineering knowledge: Apply the knowledge of mathematics, science, engineering fundamentals, and an engineering specialization to the solution of complex engineering problems

PO-2: Problem analysis: Identify, formulate, review research literature, and analyse complex engineering problems reaching substantiated conclusions using first principles of mathematics, natural sciences, and engineering sciences

PO-3: 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 the public health and safety, and the cultural, societal, and environmental considerations

PO-4: 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.

FOREWORD FROM VICE CHANCELLOR



DR FR ABRAHAM VETTIYANKAL MANI

I wish to congratulate the Department of Civil Engineering for bringing out their second Newsletter. This Newsletter is a testimony to all the quality teaching, research happenings and activities in the Department of Civil Engineering. I look forward to reading about the various activities, achievements and accomplishments of the students and the faculty. Congratulations to the Department of Civil Engineering and I wish them luck.



FOREWORD FROM DIRECTOR - SCHOOL OF ENGINEERING AND TECHNOLOGY



DR FR BENNY THOMAS

I am happy to know that the Department of Civil Engineering is bringing out its second Newsletter that showcases the events and happenings for the academic year 2020-21. The Department with the dedicated faculty and motivated student community are focused to carve a niche in the society with their activities. I congratulate the team of students and faculty for their initiatives and wish them success. Best wishes to the Department of Civil Engineering.

FOREWORD FROM DEAN - SCHOOL OF ENGINEERING AND TECHNOLOGY



DR IVEN JOSE

Many congratulations to the Department of Civil Engineering in bringing out the second News Letter. The Department of Civil Engineering has made good progress in academic, non-academics, capacity building relevant to students and faculty. The various achievements by the students and faculty in the academic year 2020-21 gives me a sense of pride that our students and faculty possess creative potential and original thinking. Best Wishes to the Department of Civil Engineering.





FOREWORD FROM THE HEAD OF DEPARTMENT

DR RAGHUNANDAN KUMAR

I am very happy that the Department is releasing its second issue of the Newsletter. I appreciate all the members of the student community and the faculty for their contribution during the academic year 2020-21 with respect to publications of the patents, journal publications and conference proceedings. I also thank the team for their contribution and participation in various other activities during the academic year such as organising the research talks, seminars, workshops and debates, quizzes etc. This shows that the team has immense potential and are vibrant. I thank all the members involved in bringing out this second edition. I wish all the students and faculty of the department all the best.

THE DEPARTMENT OF CIVIL ENGINEERING

The Department of Civil Engineering CHRIST (Deemed To Be University) established in the year 2010, focuses on providing quality education to the blooming little engineers. It offers programs in B. Tech (Bachelor of Technology) in Civil Engineering, BTech Civil (Construction Engineering and Management) with Artificial Intelligence and Machine Learning, M. Tech (Master of Technology) in Structural Engineering, and PhD, for students who aspire to excel in the field of Civil Engineering. Education is not a safety net; it is the rocket which will propel you towards success. All you have to do is have an aim and work on everything that takes to get a lift-off. You will feel confident and learn new things along your way. Succeeding in life is easy as long as you believe in yourself. Trust yourself, and success will come along. The novelties in the curriculum help the students to experience the industry's atmosphere during their courses, giving them clarity of selection of field, and the knowledge required for developing oneself in the selected field. With qualified professors for guiding students in their areas of interest, the Department of Civil Engineering hosts various programs, site visits workshops, industry interactions, support for attending conferences, publishing of papers, research in technology, camps to enhance the professionalism and leadership skills of students. Advancements in technology come with research and development according to the results of the research. While classroom theories help students grasp what is already existent and proved through time and experience, research and experimentation allow us to see the world in a completely different light and move forward



DR. RAGHUNANDAN KUMAR R
BE, ME, MBA, PHD
HEAD OF DEPARTMENT



DR NARASIMHA MURTHY K N
BE, MTECH, MCA, PHD
PROFESSOR



DR ARAVIND H B
BE, ME, MBA, PHD
PROFESSOR



DR SHIBU K MANI
MTECH, PHD
ASSOCIATE PROFESSOR



COL. SUDHIR M R
BE, ME, MSC
ASSOCIATE PROFESSOR



DR UPPALURI SIRISHA
BTECH, MTECH, PHD
ASSOCIATE PROFESSOR



DR SUJATHA UNNIKISHNAN
BTECH, MTECH, PHD
ASSOCIATE PROFESSOR



DR BEULAH M
BTECH, MTECH, PHD
ASSOCIATE PROFESSOR



DR HOSSINEY NABIL JALALL
BE, MS, PHD
ASSISTANT PROFESSOR



LAXMI
BE, MTECH
ASSISTANT PROFESSOR



DR JACOB ALEX K
BE, MTECH, PHD
ASSISTANT PROFESSOR



SARATHCHANDRA K
BTECH, MTECH
ASSISTANT PROFESSOR



SRINIDHI LAKSHMISH KUMAR
BTECH, MTECH
ASSISTANT PROFESSOR



YOGESHRAJ URS C
BTECH, MTECH
ASSISTANT PROFESSOR



THEJAS H K
BTECH, MTECH
ASSISTANT PROFESSOR



ADARSH S V
BTECH, MTECH
ASSISTANT PROFESSOR



DR ARPAN PRADHAN
PHD, BTECH, MTECH
ASSISTANT PROFESSOR



PRATAP KUMAR J
BE, ME
RESEARCH ASSISTANT



MR. GNANAVEL



MR. PURSHURAM

NON-TEACHING STAFF



CHRISTITES ASSOCIATION OF CIVIL ENGINEERS (CACE)

Christites association of civil engineers (CACE) is the student body for the Civil department at Christ (Deemed to be) University, Kengeri consisting of student members as president, vice president, and secretary along with a teacher coordinator. Each year 3 students are select for these posts from the 3rd year by the department head and various teachers. CACE is a wonderful association where civil students are motivated to learn and gain worthy knowledge with its several events, seminars, research talks, workshops, etc. CACE organizes various departmental and interdepartmental activities for students to showcase their talents and acknowledges them with various awards. We host various seminars, webinars for the Civil department along with teachers. CACE organizes various events for various days like world environmental day, world wildlife day, world water day, teacher's day, and many more.

The event organized by CACE helps students to gain substantial experience, showcase skills, analyze and evaluate outcomes and uncover aptitude. It also encourages students to adopt innovative techniques and develop their ideas and skills. It also enhances thinking out of the box by creating and innovating intellectual solutions to hazardous environmental issues. It makes students improve their communication skills, social understanding, social responsibility, implementation of new technology, symbolic interaction, etc. CACE also organizes research talks and several vital seminars which gives an immense knowledge about recent developments, drawbacks, complex issues, and ideas to solve issues with more sustainable solutions. Overall, it helps civil students to advocate and develop their creativity, skill sets, sustainable developments, boosts their self-esteem, motivates them to become better, and makes them mentally strong.



PATENT AWARDED



Advancement in technology comes with results of the research and development undertaken. While classroom theories help students grasp what is already existing and proved through time and experience, research and experimentation allow us to see the world in a completely different perspective. Often it is not a spark of idea that becomes a revolution, but a rigorous schedule of experimentations and trials on existing technology, that gives way for a new innovation, or discovery, which either explains a fundamental theory in more detail, or redefines a theory be applied more efficiently in practice, or redefine the fundamentals entirely which happens in rare occasions. This philosophy of research and development is followed, and the laboratory facilities provided for the use of students and faculty brings out the novelties and ideas into tested and proved technology.

Sl No	Name of the Faculty	Patent Tittle	year	Application Number
1	Sathishkumar V. E.; Silambarasan P.; S. L. Abdul Haleem; Narasimha Murthy K. N.; Dinesh Sheshrao Kharate; S. Bharath Bhushan; C. S. Pavan Kumar; Chundururu Anilkumar; B. Nagaraja Naik; Meesala Shobha Rani	An IOT Based Remote Solar Monitoring System Design	2020	202141010711
2	Beulah M; Sudhir M. R.; Pratap Kumar J.	Manufacture of Red Mud and Waste Foundry Sand Based Sustainable Bricks	2020	202141007336
3	Nabil Hossiney; Sushanth G.; Sanjith M. Gowda	Safety System for Collision Avoidance in Rural Roads and Highways	2020	202041006860

FUNDED PROJECTS

The department is funded for the various project which includes the participation of faculties and students as mentioned below :

S.No	Working Topic	Faculty	Project	Funded by	Status
1	Development of integrated disaster management plan and framework for livelihood development for Kodagu District, Karnataka (In Association with Kodagu District Administration under an MOU)	PI: Dr Shibu K Mani Co PI: Dr Sirisha Uppaluri	Internal Funded Project	Christ (Deemed to be University) – Fund: 6 lakhs Period: 1 Year	Ongoing
2	Value addition in waste foundry sand from Belgaum and Red mud from Hindalco for use as a low cost Civil construction material	PI: Dr Beulah M	External funded project	Department of Science & Technology Fund: 20.53 Lakhs Period:3 years	Completed
3	Value Addition In Mine Waste Tailings Through Geopolymer Formation	PI: Dr Raghunandan Kumar CO PI: Dr Beulah M	External funded project	Ministry of Mines Fund: 12Lakhs Period:3 years	Completed



RESEARCH ARTICLES, BOOK CHAPTERS AND CONFERENCE PROCEEDINGS



Sl No	Name of the author/s	Title of paper	Name of journal	Year	Indexing Agency
1	Surya Prakash, Sriram Vasudevan, Ankush Banerjee, Aditya C Joe, Girinath Reddy, Geetha K N, Shibu K Mani.	Sustainable water consumption of rice (<i>Oryza sativa</i> L.) as influenced by superabsorbent polymer in water stressed conditions.	International Journal of Modern Agriculture	2021	Web of Science
2	Beulah M; K Sarath Chandra and Col M R Sudhir	A Mathematical Correlation of Compressive Strength Among Silica, Alumina and Calcia Present in Composite Red Mud and Iron Ore Tailing bricks	Lecture Notes in Civil Engineering	2021	Springer Book Chapter
3	Beulah M and Col M R Sudhir	A sustainable approach to Geopolymer brick manufacture using mine wastes	Handbook of Solid Waste Management	2021	Book Chapter
4	Beulah M; Sarath Chandra K and Gayathri J	Deflouridation of drinking water-Fluoride war	Advances in Energy and Environment	2021	Springer Book Chapter
5	K Sarath Chandra; Vinay Jha Pillai and Kukatlappalli Pradeep Kumar	Fixed Angle Video Frame Diminution Technique for Vehicle Speed Detection	Annals of the Romanian Society for Cell Biology	2021	Scopus
6	K. Sarath Chandra; S. Krishnaiah; Narala Gangadhara Reddy and Nabil Hossiney	Strength Development of Geopolymer Composites Made from Red Mud–Fly Ash as a Subgrade Material in Road Construction	Journal of Hazardous, Toxic, and Radioactive Waste (ASCE)	2020	Scopus
7	Yu Chen, Hainian Wang, Zhanping You and Nabil Hossiney	Application of phase change material in asphalt mixture – A Review	Construction and Building Materials	2020	Scopus
8	Nabil Hossiney, Hima Kiran Sepuri, Mothi Krishna Mohan, Sarath Chandra K, Srinidhi Lakshmish Kumar, Thejas H K	Geopolymer concrete paving blocks made with Recycled Asphalt Pavement (RAP) aggregates towards sustainable urban mobility development	Cogent Engineering.	2020	Scopus

RESEARCH ARTICLES, BOOK CHAPTERS AND CONFERENCE PROCEEDINGS



9	Dr. Nabil Hossiney, Sarath Chandra K; Srinidhi L Kumar	A Review on Utilization of Construction and Demolition Waste (CDW) Toward Green and Circular Economy	Cogent Engineering	2020	Scopus
10	Abinash Mohanta, K.C. Patra and Arpan Pradhan	Enhanced Channel Division Method for Estimation of Discharge in Meandering Compound Channel	Water Resources Management	2020	Scopus
11	Thejas H K, Laxmi S, Abhilash D T	Comprehensive Analysis of Outrigger Building System	International Journal of Civil engineering and Technology	2020	UGC
12	Thejas H.K., Hossiney N.	Use of waste foundry sand in Precast Concrete Paver Blocks- A Study with Belgaum Foundry Industry	Sustainable Civil Engineering Practices. Lecture Notes in Civil Engineering	2020	Springer Book Chapter
13	Kollerathu J.A.	Idealised Bilinear Moment-Curvature Curves of Reinforced Masonry (RM) Walls	Advances in Structural Engineering. Lecture Notes in Civil Engineering	2020	Springer Book Chapter
14	Imran S. M., Raghunandan Kumar R., Arun Kumar	Optimum Design of a Reinforced Concrete Ribbed Slab	Journal of Civil Engineering Research	2020	Scopus
15	T.V. Bijeesh and K.N. Narasimhamurthy	Surface water detection and delineation using remote sensing images: A review of Methods and Algorithms	Sustainable Water Resource Management	2020	Scopus
16	T.V. Bijeesh and K.N. Narasimhamurthy	Evaluation of Machine Learning Algorithms for Surface Water Delineation Using Landsat 8 Images	Journal of Advanced Research in Dynamical & Control Systems	2020	Scopus
17	Col. Sudhir MR and Beulah M	A Micro Structure Exploration and Compressive Strength Determination of Red Mud Bricks prepared using Industrial Waste	Materials Today Proceedings	2020	Science Direct
18	Gowaram Iswarya and Beulah. M	Use of Zeolite and Industrial Waste Materials in High Strength Concrete- A Review	Materials Today Proceedings	2020	Science Direct

RESEARCH ARTICLES, BOOK CHAPTERS AND CONFERENCE PROCEEDINGS



19	Prashant Sunagar, Aravind Bhashyam, Manish S Dharek, Sreekeshava K S, Ramegowda R S, Lakshmi H S	Stress strain characteristics of reinforced hollow concrete block masonry melded with mesh reinforcement	IOP Conf. Series: Materials Science and Engineering	2020	Scopus
20	Kantharaju H C and Narasimha Murthy K N	Enhancing performance of WSN by utilising secure QoS-based explicit routing	Int. J. Computer Aided Engineering and Technology	2020	Scopus
21	Kantharaju H C and Narasimha Murthy K N	An energy efficient authentication scheme based on hierarchical IBDS and EIBDS in grid-based wireless sensor networks	International Journal of Information and Computer Security	2020	Scopus
22	K. Sarath Chandra and S. Krishnaiah	A Detailed Geotechnical Investigation on Red Mud and Chemical Analysis of its Leachate.	Problematic Soils and Geoenvironmental Concerns. Lecture Notes in Civil Engineering	2020	Springer Book Chapter
23	K. Sarath Chandra and S Krishnaiah	Evaluation of Strength Development of Untreated and Treated Red Mud with Gypsum as a Road Construction Material	Recent Trends in Civil Engineering. Lecture Notes in Civil Engineering	2020	Springer Book Chapter
24	Prashant Sunagar, Aravind Bhashyam, Manish Shashikant, K. S. Sreekeshava, and Abhishek Kumar Chaurasiya	Effect of Different Base Isolation Techniques in Multi-storeyed RC Regular and Irregular Building.	Trends in Civil Engineering and Challenges for Sustainability. Lecture Notes in Civil Engineering	2020	Springer Book Chapter
25	Linlong Shao, Hainian Wang, Ran Zhang, Wenhua Zheng, Nabil Hossiney, Chunying Wu	Analysis of the chemical properties and high-temperature rheological properties of MDI modified bio-asphalt	Construction and Building Materials.	2020	Scopus

RESEARCH ARTICLES, BOOK CHAPTERS AND CONFERENCE PROCEEDINGS



26	Shibu K Mani	Contextualising Sendai Framework for Disaster Risk Reduction to Metropolitan Urban Local Bodies for Seismic Risk Management in India	Urban India.	2020	UGC
27	Illiyas, Faisal T.; Mani, Shibu K.; and Babu, Naveen	Carrying Capacity Assessment for Religious Crowd Management- An Application to sabrimala Mass Gathering Pilgrimage.	International Journal of Religious Tourism and Pilgrimage	2020	SCOPUS
28	Pothula Roshini and Sujatha Unnikrishnan	Experimenting Investigation on "Mechanical properties of basalt fiber reinforce concrete"	Proceedings of the International Conference on Science, Technology, Engineering & Management	2020	Conference Proceedings

RESEARCH PAPERS

International Journals	100+
National journals	5+
International conference	20+



PARTICIPATION IN INTERNATIONAL CONFERENCE

Sl No	Name of the Presenter	Date	Name of the Conference	Hosting Organization
1	Mr Sarath Chandra K	12/23/2020	International Conference on Civil Engineering Trends and Challenges For Sustainability (CTCS 2020)	NMAM Institute of Technology, Karkala, Karnataka.
2	Mr Thejas H K	12/23/2020	International Conference on Civil Engineering Trends and Challenges For Sustainability (CTCS 2020)	NMAM Institute of Technology, Karkala, Karnataka.
3	Mrs Laxmi G	12/22/2020	International Conference on Civil Engineering Trends and Challenges For Sustainability (CTCS 2020)	NMAM Institute of Technology, Karkala, Karnataka.
4	Col Sudhir M R	12/18/2020	International Conference on Manufacturing, Material Science and Engineering (ICMMSE 2020)	CMR Institute of Technology, Hyderabad, Telangana.
5	Dr Narasimha Murthy	11/20/2020	International Conference on Computational Vision and Bio Inspired Computing (ICCVBIC 2020)	RVS Technical Campus, Coimbatore, Tamilnadu.
6	Dr Shibu K Mani	10/9/2020	International Disaster Risk and Vulnerability Conference (DRVC 2020)	Mahatma Gandhi University, Kottayam, Kerala.

INAUGURATION OF CACE YEAR 2020 - 2021



CHRIST
Deemed to be University

CACE MEMBERS OF 2020-21

PRESIDENT: C G Arya 

VICE PRESIDENT: Rony Baby 

SECRETARY: Parul 

Excellence and Service

Guest Speakers



MR. CHANDRA MOULI H S
General Manager – Projects, Bosch, India



MR. VIJAY KUMAR
HR, Head of Real Estate at Bosch, India,

Every day is a new chance to begin again, start today with positive thoughts and Expectations.

28th August 2020, has been remarked as the start of CACE 2020-21 under the Guidance of Dr. Raghunandhan Kumar Head of Department Civil Engineering, Prof. Sarath Chandra, CACE coordinator, President C. G Arya, Vice-President Rony Baby, and Secret Parul. Due to the pandemic situation prevailing, the inauguration of CACE was held through an online platform using Microsoft Teams. The main agenda of the event was the induction of the new office bearers and thanking the stepping-out office bearers. All the activities conducted during the CACE year 2019-20 were published as a newsletter in the same event and congratulated all the merit winners of the previous academic year in each subject. The guest of honor was Mr. Vijay Kumar, HR, Head of Real Estate at Bosch, India, and Mr. Chandra Mouli H S, General Manager – Projects, Bosch, for releasing the newsletter and awarding Certificates for merit achievers. Dr. Iven Jose, Dean, Faculty of Engineering and School of Architecture inducted the new office bearers and commanded the oath. Mr. Vijay Kumar, HR, Head of Real Estate at Bosch, India, was introduced to the audience by Prof. Srinidhi and he facilitated the event and congratulated the new members, and bid farewell to the existing members. CACE 2020-21 President C. G Arya presented on behalf of the new members on the action plan draft for the upcoming year. The merit certificates were awarded by Mr. Vijay Kumar, Mr. Chandra Mouli, and Dr. Raghunandhan Kumar to the achievers. , Mr. Chandra Mouli was introduced to the audience by Dr. Jacob Alex and welcomed for felicitation at the event. Mr. Benn Thomas, former CACE President 2016-17 provided a testimonial on the association and its activities. Vote of thanks by Dr. Sujatha Unnikrishnan followed by the university anthem concluded the event around 11:30 am

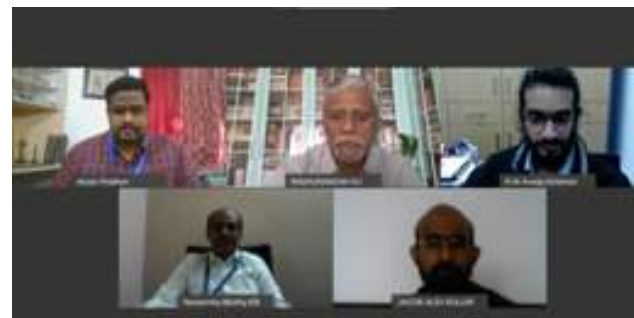
WEBINARS

1. Webinar On Artificial Intelligence in Civil Engineering Application

To understand the importance and necessity of artificial intelligence in civil engineering application CACE, conducted a webinar on the topic Artificial Intelligence. The guest speaker was Prof. N M Anoop Krishnan, Assistant Professor, Department of Civil Engineering, Department of Material Science and Engineering, Indian Institute of Technology, Delhi. Prof. Anoop covered the importance of AI and the revolution it can make in the field of civil engineering. He was very clear on the impact AI can make in this field and explained how as engineers we will be beneficial.

PROF. N M ANOOP KRISHNAN

Assistant Professor, Department of Civil Engineering, Department of Material Science and Engineering, Indian Institute of Technology, Delhi.



2. Webinar on Being an Impactful Engineer in the 21st century

Ing. Dr. Patrick Amoah Bekoe, Principal Engineer at the Department of Feeder Roads (DFR) in Ghana says that an engineer should be someone who should safeguard public, trustful one with honor, dignity and integrity which all comes under an engineer's principle. He concentrated in explaining on the word "ENGINEER", who is an engineer, what is engineering, the engineer's canon, skills for an impactful engineer and how can one succeed as an engineer. He advised by saying "never be afraid to make mistakes, but correct it by accepting as a mistake. People may forget what one said, people may forget what one did, but will never forget how one made them feel"

ING. DR. PATRICK AMOAH BEKOE

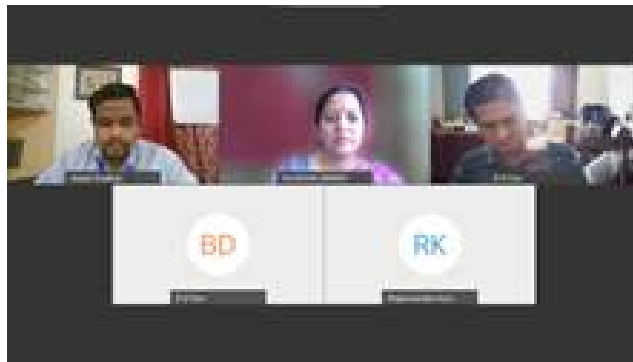
Principal Engineer at the Department of Feeder Roads (DFR) in Ghana

WEBINARS

3. Webinar on “Sustainable Advances and Requirements of Research in Concrete Technology in the Era of the 21st Century”

DR. BIBHUTI BHUSHAN DAS

Associate Professor at national Institute of Technology
Karnataka, Surathkal



The word 'sustainability' in civil engineering is defined as the desire to perform activities without any depletion of resources or bringing any harmful effects on the environment. CACE conducted a webinar on this topic by Dr. Bibhuti Bhushan Das, Associate Professor at national Institute of Technology Karnataka, Surathkal. He points out the responsibilities of a civil engineer to Mother Nature and common people. Instead of degrading the resources of the nature, plan the development in more sustainable mode which does not deplete the resources. Moreover he also suggested measures for sustainable construction like green concrete, recycling and reusing the aggregates, high strength concrete, crack free structures etc. Dr. Bibhuti Bhushan Das is an eminent personality and a great speaker whose words are though provoking and enlightening. As engineers it's the solemn duty to determine the Sustainable Advances and Requirements of Research in Concrete Technology in the Era of the 21st Century.

4. Webinar on Self-Sensing and Magnetic Concrete for Power Transfer

DR. SHENEN CHEN

Professor in Civil Engineering and
Environmental Engineering, University of
North Carolina, Charlotte, USA



An International seminar on the topic Self-Sensing and Magnetic Concrete for Power Transfer lead by Dr. Shen Chen, who is a Professor in Civil Engineering and Environmental Engineering, University of North Carolina, Charlotte, the USA on the 4th day of September 2020 was organized. Dr. Shen Chen focused on explaining the need for innovative sensing and multifunctional concrete in this new era. His depth of knowledge in electrical and magnetic properties of recycled steel residue and how to determine the modified concrete opened a new pathway to the listener who had little knowledge in the advancement in concrete technology. Moreover, the application of using electric concrete which is a product of the above-mentioned project used to transfer power over an air gap reminds every civil engineer that it is a need of the hour and its importance.

WEBINARS

5. Webinar on 'Bamboo- A Sustainable Building Material'



DR. JAGADESH VENGALA

Associate Professor in Civil Engineering, ,
Head, EDC, Incubation & Innovation centre
PVP Siddhartha Institute of Technology,
Vijayawada

World in the new era of technology talk not only about development, but also how it can be made sustainable for the use of future generation. The creativity and effort put forward by an engineer towards a project to make it success is not small. CACE conducted a webinar on 'Bamboo- A Sustainable Building Material' led by Dr. Jagadesh Vengala who is a Associate Professor in Civil Engineering, , Head, EDC, Incubation & Innovation centre PVP Siddhartha Institute of Technology, Vijayawada on 15th of October 2020. the usage of bamboo in using as a sustainable building material and IPIRTI-TRADA Bamboo housing systems and studies on how seismically bamboo responses while using as a building material. Similarly he also included the styles and designs of houses using bamboo for double story buildings. He analyzed the difference while using bamboo and other materials.

6. Webinar On "Recent Developments In Sustainable Soil Stabilization"



DR. KUMAR SHARMA ANIL

Associate Professor in Civil Engineering at National
Institute of Technology, Patna, Bihar

Students and faculty members of Civil Engineering department along with external participants attended a webinar on "Recent Developments In Sustainable Soil Stabilization", presented by Dr. Kumar Sharma Anil, who is working as a Associate Professor in Civil Engineering at National Institute of Technology, Patna, Bihar. He analyzed the problematic soils present in the earth surface deeply by comparing all other existing soils. Through his talk, he provided the major principles for ground improvement like initially solve the problem, then modify the problem, later divide the problem into parts for easy solving and hence go beyond the problem and bye pass the problem. While considering the soil stabilization, a geologist as well as any civil engineer should consider all the above principles, he pointed out.

WEBINARS

7. Webinar on Overview of Construction of Airport at Hyderabad

MR. K M VENKATARAMANA

free lancer and operating his own plant

To get an overview of airport construction CACE has conducted a webinar on the topic Overview of Construction of Airport at Hyderabad. The research talk was led by Mr. K M Venkataramana, who is a free lancer and operating his own plant. The total investment for the airport construction was estimated to be Rs24,780 and GMR Hyderabad International Airport Limited (GHIAL) is one of the safest airports in the world and has been awarded the 5-star rating for its Health and Safety Management System from the British Safety Council.

While the cut off for the 5-Star rating is 92%, they scored 96%. The innovative and advanced technologies used in the construction were well explained by Mr. Venkataramana. GHIAL is constructed with a combination of Technology and Environmental development. He concluded the speech by highlighting about the different advancements in technologies used for construction which also takes into consideration environmental conservation.

8. Webinar on Specialty Structures in Steel

DR. M PRADYUMNA

Former Director of Geodesic Techniques

Construction in the new era has changed from using concrete structures to steel and glass structures, which reduced pollution. As civil engineers and to create knowledge and ideas on this type of construction, has conducted a webinar on the topic Specialty Structures In Steel. The webinar was lead by Dr. M Pradyumna, who was a Former Director of Geodesic Techniques. The main agenda of the talk was to speak about structures having special features, structural design challenges, custom software requires for design and development. Special features of a structure imply its geometry, the structural behavior, claddings etc., were explained with live examples and the theoretical concepts behind the rise of structures.

9. 1. Webinar on “Integrating Information for Better Project Controls – A Practical Approach

MR. VAIDYANATHAN

Co- Founder and CEO Nadhi information Technologies Pvt. Ltd. Chennai,

Every management control system has shortcomings and flaws. For every deficiency, somebody has to develop supplementary and special solution to eliminate the flaws. . To develop these problem solving and analytic skills among the blooming engineers and architects, CACE in collaboration with School of Architecture conducted a webinar on “Integrating Information for Better Project Controls – A Practical Approach” lead by Mr. Vaidyanathan. In the present world scenario, large organizations are impressed by the problem solving skills and better ways in project controls. Hence it’s the solemn duty of a growing engineer and an architect to be an expert in project management and project controls. Mr.Vaidyanathan, Co- Founder and CEO Nadhi information Technologies Pvt. Ltd. Chennai, is the best person and the profound speaker who can create ideas on the minds of the crowd hearing him.

SEMINAR



By Dr. Katta Venketeramana

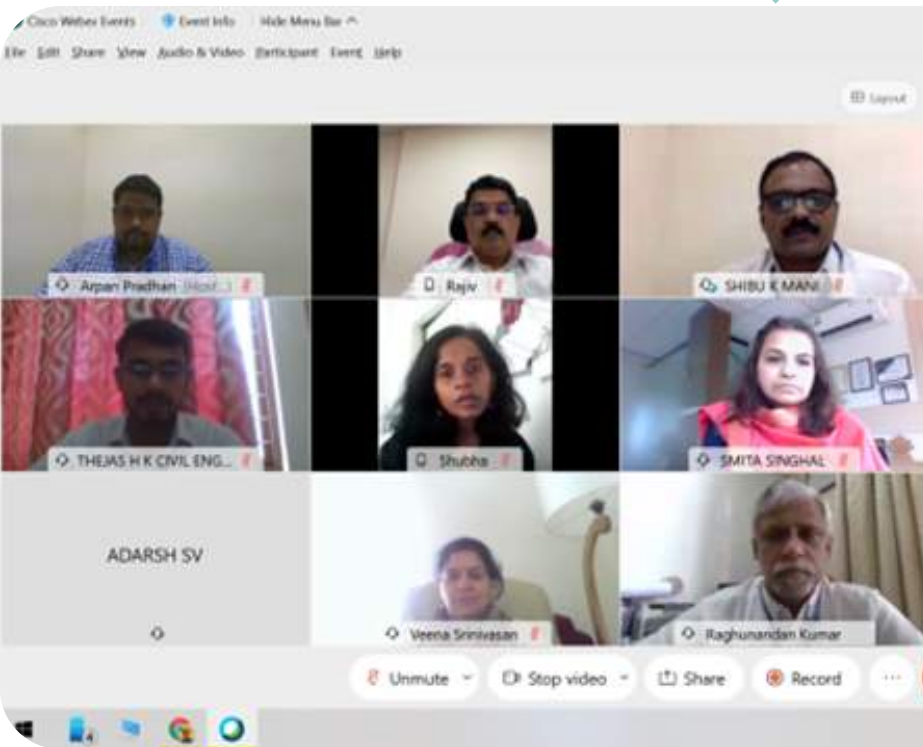
Senior Professor of Civil Engineering at
National Institute of Technology Karnataka
Surathkal

A seminar poster for the School of Engineering & Technology, Department of Civil Engineering, CHRIST. The poster features the school's logo and the text: 'SCHOOL OF ENGINEERING & TECHNOLOGY DEPARTMENT OF CIVIL ENGINEERING PRESENTS Seminar on "Introduction to Earthquake Engineering"'. It includes a photo of Dr. Katta Venkateramana, his name and title 'DR. KATTA VENKATERAMANA Senior Professor at NITK', and the date '14th October 2020, Wednesday 3pm - 4 pm'. A QR code and a 'Register here' link are also present.

To elucidate the concepts on Introduction to Earthquake Engineering has conducted a seminar using virtual mode (Cisco Webex) as a platform. The talk was led by Dr. Katta Venketeramana, Senior Professor of Civil Engineering at National Institute of Technology Karnataka Surathkal. Dr. Katta Venketeramana has completed his master's and doctorate studies from Japan, which experiences about 1500 earthquake per year. The content of his speech was the reasons and after effects of an earthquake initially and concluded with the preparation that a civil engineer should take in order to face these types of natural disasters. He mainly used Japan as an example to convey his ideas in the best possible way. The different ways in which Japan takes measures to face the upcoming quakes were clearly explained by him. The talk delivered by Dr. Katta Venketeramana was entirely based on his real life experience he visualized in Japan. The ideas put forward by Dr. Katta Venketeramana created a new responsibility in every developing engineer to protect and safe guard everyone.

PANEL DISCUSSION

Holistic Approach Towards Sustainable Water Management- Quality and Quantity



PANEL MEMBERS

MS. SMITHA SINGHAL

Director Absolute Water Pvt. Ltd

DR. VEENA SRINIVASAN

Fellow (Water, Land & Society)

MR. RAJEEV K N

Additional Chief Engineer BWSSB Banglore

MS. SUBHA RAMACHANDRAN

consultant BIOME Trust

On the 22nd day of March, as a part of the World Water Day Celebration, conducted a panel discussion which was lead by 4 eminent personalities who are profoundly great speakers. The speakers were Ms. Smitha Singhal, Director Absolute Water Pvt. Ltd, Dr. Veena Srinivasan, Fellow (Water, Land & Society), Mr. Rajeev K N, Additional Chief Engineer BWSSB Banglore, and Ms. Subha Ramachandran, consultant BIOME Trust. To focus on the importance of freshwater, the United Nations marks March 22 every year as World Water Day. The theme of World Water Day 2021 is "Valuing Water". According to the UN, World Water Day celebrates water and raises awareness of the 2.2 billion people living without access to safe water. The day is used to advocate for the sustainable management of freshwater resources. The theme of each day focuses on topics relevant to clean water, sanitation, and hygiene (WASH), which is in line with the targets of Sustainable Development. Ms. Smitha Singhal, Director Absolute Water Pvt. Ltd brought a significant change in the sewage treatment by introducing Bio-Filter Green sewage treatment plant which uses natural methods like bred worms as micro pollutant consumers and using wood chips and pebbles etc. All the speakers were so deeply educated on water resources and the consequences we will face if we degrade the water resource. They all highlighted on saving water sources and avoiding over-exploitation and by adopting all the safety measures and conservative measures for better conservation.

RESEARCH TALK

Blast Resistant Concrete



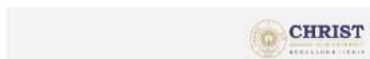
IR. DR. MOHAMMED ALIAS YUSOF

Associate Professor in Civil Engineering, Universiti Pertahanan Nasional, Malaysia

A research talks on Blast Resistant Concrete by Ir. Dr. Mohammed Alias Yusof, who is a Associate Professor in Civil Engineering, Universiti Pertahanan Nasional, Malaysia was organized on 18th of September 2020. Okalahoma city bombing on April 19th 1995 and recent explosion in city of Beirut on august 4rth 2020 and many other explosions which cost many lives of innocent people shows the importance of having blast resistant concrete. Ir. Dr. Mohammed Alias Yusof, from his research works gained knowledge in blast resistant concrete which can resist high temperature and can withstand explosions. A clear picture on the process of manufacture of blast resistant concrete by mixing normal concrete with steel fibres of good quality and continuing the process of casting of normal concrete was passed on.

WORKSHOP

NATIONAL WORKSHOP ON SUSTAINABLE MATERIALS AND ENVIRONMENT ENGINEERING

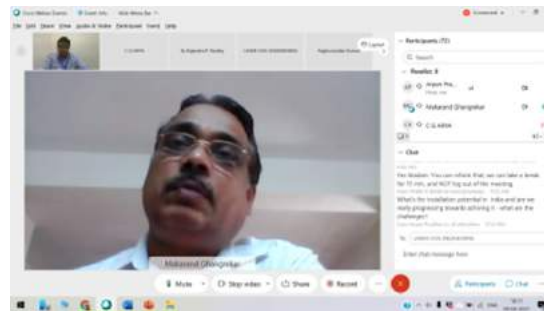


NATIONAL WORKSHOP ON
SUSTAINABLE MATERIALS
&
ENVIRONMENT ENGINEERING
09-10 APRIL 2021



Indian Concrete Institute

Association of Consulting
Civil Engineers(India)



GUEST SPEAKER

DR. MAKARAND MADHAO GHANGREKAR

Professor in civil engineering P.K Sinha
Centre for Bioenergy and Renewables,
IITKGP, India

DR. R.P. PANDEY

, Scientist G & Head, Environmental
Hydrology Division, Member-Secretary

DR. RADHAKRISHNA

Professor & Head Department of Civil
Engineering, R.V. College of
Engineering, Bengaluru

Knowledge is something which a person acquires during his lifetime and can be achieved in greater part by experiencing the outcome of the knowledge he received. CACE conducted a National Workshop on Sustainable Materials and Environment Engineering on 9th and 10th of April 2021. It was a 2-day workshop with four seminar sessions on each day. **Dr. Makarand Madhao Ghangrekar**, Professor in civil engineering P.K Sinha Centre for Bioenergy and Renewables, IITKGP, India, and **Dr. R.P. Pandey**, Scientist G & Head, Environmental Hydrology Division, Member-Secretary, Indian National Committee on Climate Change, National Institute of Hydrology, Roorkee, Uttarakhand, INDIA, presented on the subject 'Sustainable Wastewater Treatment to Facilitate reuse' and 'Hydrological Study for Development of a River Rejuvenation plan - A Case Study for Uttarakhand, India' respectively in the first half of the morning session. The second half of the session was lead by the department faculties on the topics 'Utilization of Recycled Asphalt Pavement (RAP) in Concrete Pavements - A New Perspective in Pavement Industry' and 'Modeling of Roughness Coefficient in Meandering Compound Channels' by Dr. Nabil Hossiney, Professor, Department of Civil Engineering, and Dr. Arpan Pradhan, Professor, Department of Civil Engineering, CHRIST (Deemed to be University), Kengeri Campus respectively.

Day two was scheduled into four sessions which were lead by **Dr. Radhakrishna**, Professor & Head Department of Civil Engineering, R.V. College of Engineering, Bengaluru, Dr. Priyadharshini Perumal, Marie Curie Post Doctoral Researcher Faculty of Technology (Fibre and Particle Engg.) University of Oulu, Linnanmaa, Oulu, FINLAND, Dr. Sirisha Uppaluri, Professor, Department of Civil Engineering, Dr. Jacob Alex, Professor, Department of Civil Engineering, CHRIST (Deemed to be University), Kengeri Campus for the seminar topics like 'Development of Alternate Building Materials for Sustainability', 'Mine Tailings as a Sustainable Secondary Raw Materials in Construction Industries', 'Geospatial Data Analysis' and "Structural Performance of Masonry: From material behavior to global response" respectively

WORKSHOP

EXCEL TO EXCEL



In the year 1987, Microsoft Corporation developed software named EXCEL used as visual basic for application. This 33 old software created an incredible mark in the field of software's by providing features like calculation, graphing tools, pivot tables and some macro programming languages. To create an awareness and in-depth knowledge about the various uses of Excel spreadsheet amongst the growing engineers, CACE with the help of Prof. Sarathchandra k, the CACE faculty Coordinator along with Dr. Sirisha Uppaluri, Associate Professor Civil Department conducted a webinar on the topic Excel to Excel. Dr. Sirisha Uppaluri clearly explained the features provided by the software and advantages of using during a research project. session Dr. Sirisha Uppaluri mam gave a clear idea about the software and how Microsoft Excel is one of the greatest, most powerful and most important software of all time.

FACULTY SPEAKER

DR. SIRISHA UPPALURI

Associate Professor Civil
Department, Christ Deemed to
be University

EVENTS

TEACHERS DAY

Shri Sarvepalli Radhakrishnan once said, " Knowledge gives power, Love gives us fullness". September 5th is remembered and celebrated as Teacher's Day, a day which has equal importance in a student's life. On this day every student specially thank all teachers for taking care everyone as their own children. On 5th day of September 16.30pm IST students of civil department had conducted a Teachers day celebration using a virtual platform (Cisco Webex). On this occasion all the teachers were remembered and thanked for the wonderful work done by them to frame a student to make his\her dreams come true.



QUIZ BIZZ

1.23rd December is the birthday of Sir S P Timoshenko. In remembrance of his birthday anniversary, CHRIST (Deemed To Be) University Civil Engineering Department in accordance with CACE, conducted a quiz competition on 30th of January 2021 for the students of the department. The contribution made by him makes engineering mechanics easier and removes the complexity in understanding the subject by growing engineers. The responses from the students and faculties were good and concluded an opinion about conducting such information providing events. The event winners are Cyril Siby and Sadaif Andrabi sharing first position and Babitha M Mulge and M. R. Abhinaya sharing second position and Deekshitha for the third position.



EVENTS

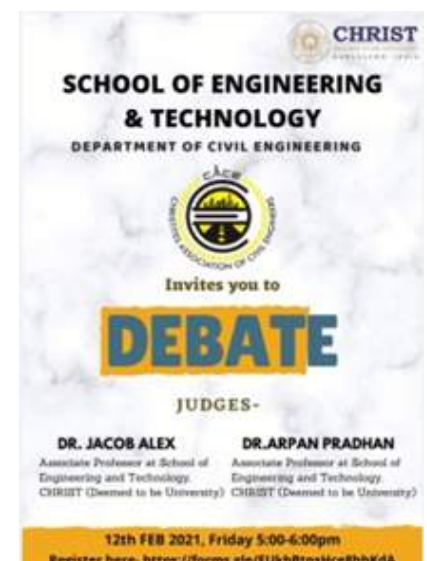
IDEA HOUR

CACE under the supervision of Prof. Sharath Chandra, faculty coordinator organized an open event for the students of the civil engineering department on 5th February from 5 pm. The event was named IDEA HOUR and was conducted to identify the new blooming engineers who have different new and innovative ideas related to civil engineering and as well as other subjects which can change the world into advancement in technology. The conduction of the event was in such a way that a group of a minimum of one and a maximum of 3 have to present their ideas on any topic in the given allotted time. The winner for the event was teamed Future Engineers including Nikita Sundi, Jayesh Rakesh, and Rajdeep Singh Konthoujam.



DEBATE COMPETITION

In this pandemic situation, to increase the interaction among the student community, CACE conducted a debate competition for the students. The topic was given 5 minutes before the commencement of the event. The subject was can construction waste be effectively recycled in construction? Yes or No. Two sets of teams were selected for the final round of competition. The winners of the debate event were team M.A.D., including team members Prajwal and Jeswin T S from 6th semester civil engineering.



EVENTS

POSTER MAKING COMPETITION



Awareness can be and must be provided to everyone in this world regarding issues which need the attention of the hour. World wildlife day is celebrated on march 3rd worldwide. The judging criteria were based on the presentation of their ideas, quotes and different ways of idea presentation. The students of undergraduate and post graduate sections took part in the event and almost 35 students registered for the event. The event were asked to prepare the poster on the topic- Forest and livelihoods: Sustaining people and planet. The posters can be made either handmade or using any software's and uploaded to the CACE official Google drive. The winners of the poster making competition was Navneeth Devdas, who secured first position, followed by Joseph Kuriakose who secured 2nd position and finally Babitha Mulge securing 3rd position in the competition

EVENTS

ACKNOWLEDGEMENT



CHRIST UNIVERSITY
BANGALORE - INDIA

CACE
CHRISTIAN ASSOCIATION OF CIVIL ENGINEERS

CONGRATULATIONS TO QUIZ BIZZ WINNERS

1st

**Cyril Siby**

**Sadaif Andrabi**

2nd

**M R Abhinaya**

**Babitha M Mulge**

3rd

**Deekshitha**



CHRIST UNIVERSITY
BANGALORE - INDIA

IDEA HOUR WINNERS

TEAM FUTURE ENGINEER'S!

**NIKITA SUNDI**

**RAJDEEP SINGH KONTHOUJAM**

**JAYESH RAKESH**



CHRIST UNIVERSITY
BANGALORE - INDIA

CACE
CHRISTIAN ASSOCIATION OF CIVIL ENGINEERS

CONGRATULATIONS TO DEBATE COMPETITION WINNERS

TEAM M.A.D

**Jeswin T**

**Prajwal N**



CHRIST UNIVERSITY
BANGALORE - INDIA

CACE
CHRISTIAN ASSOCIATION OF CIVIL ENGINEERS

CONGRATULATIONS TO POSTER MAKING COMPETITION WINNERS

**Joseph Kuriakose**

**Navaneeth Devdas**

**Babitha Mulge**

INDUSTRY INTERNSHIP



In accordance with the departmental policy on final year student internship, all 19 eligible students of the department were sent on industry internship to various companies/consultancies. This is the highest number of students sent on Internship over the last three academic years. The student internship projects in these companies ranged from large commercial complex constructions to waste management/ Irrigation projects. The positive feedback from the companies regarding the students and the learning experiences shared by the interning students indicate that the industry internship is a hugely beneficial initiative of the department, to the students. We intend continuing this successful internship model in the coming years.

COLLIERS PROPERTIES DEVELOPMENT PVT LTD

1. DEEDAR SHAMS
2. STEFAN LUKE
3. SADAIF ANDRABI
4. HARI GOVIND L S
5. OM PRAKASH PANDIT
6. SOURAV GHIRIA
7. JEETIN BISHNOI



3E SERVICE CONSTRUCTIONS ENGINEERING

1. MANI EAPPEN



ECOPARADIGM CONSULTANTS

1. MUHAMMAD AJMAL P
2. VADLAPATI BHAVANA
3. ROSE ANN GEORGE
4. TELAGAMSETTI
TIRUPUJITHA
5. SYED ABDUL RAHEEM



POLLAVARAM IRRIGATION PROJECT, VIJAYAWADA

1. YAMMALA JAY KARTHIK
2. MOHAMMED ARSHAQ
ALI



Polavaram Project Authority (PPA)

SARATHY GEOTECH AND ENGINEERING SERVICE PVT.LTD

1. OM PRAKASH PANDIT
2. SOURAV GHIRIA
3. JEETIN BISHNOI



CARBON CONSTRUCTIONS PVT LTD

1. ADHIL P
2. JOEL JAMES
3. YADHU SHAJI





**COLLIERS PROPERTIES
DEVELOPMENT PVT LTD**

Picture by Sadaif and team



**CARBON CONSTRUCTION
PVT LTD**



Polavaram Project Authority (PPA)

**POLLAVARAM
IRRIGATION PROJECT**



SARATHY GEOTECH & ENGINEERING SERVICES PVT. LTD

(An ISO 9001:2015 & OHSAS 18001:2007 Certified Company)

LTD

Picture by Adhil and team



**ECOPARADIGM
CONSULTANTS**

Picture by Ajmal and team



INDUSTRIAL TESTIMONIAL

THE COMPANIES INVOLVED WITH STUDENT INDUSTRIAL INTERNSHIP ARE AS FOLLOWS:

- Colliers Properties Development Pvt Ltd
- Ecoparadigm Consultants
- Pollavaram Irrigation Project, Vijayawada
- 3E Services Pvt Ltd
- Carbon Constructions Pvt Ltd
- Sarathy Geotech and Engineering Service Pvt Ltd



Polavaram Project Authority (PPA)

TO WHOMSOEVER IT MAY CONCERN



As his supervisor, I highly recommend Mr. Deedar Shams to any organization where he move forward to continue his professional career as I am familiar with his work ethic. During his internship carried out at our company (Project site located at ETV-Parcel 3A, Bengaluru, India), we found Mr.Deedar Shams become a skilled individual with the innate ability to apply learned theoretical knowledge into practice. He was an enthusiastic and reliable in completing his assigned work. Aside from that, he gives the best effort to everything assigned to him. He was very dedicated to succeed in achieving all assigned project goals. He has a good relationship with his fellow interns and fellow superiors. Because of his valuable contribution during the internship our project team has received a best service while delivering his responsibilities assigned.

If you need more information about Mr. Deedar Shams, please do not hesitate to contact me through my email ID - vijaya.kumar@colliers.com / vijaykmr208@gmail.com. I will gladly be assistance.

Thank you

Vijaya kumar

Deputy General Manager - Project Lead



INHOUSE PROJECTS

Around 30% of the class strength opted to perform their final year projects in-house by using the various facilities and laboratories in the department. Students did their final year projects in various specializations of civil engineering by using both experimental and analytical work under the esteemed guidance of faculties with different specializations in the department. The list of the students and the project titles are as follows:

Sl. No	Name of Student	Title of the Project/internship
1	1. VITTAL SHRIHARSHA	Mechanical properties of High strength concrete by using Zeolite and metakaolin
2	1. BALRAJ 2. BHARGAV REDDY 3. VOMKARAM RAJA RAMESH 4. PURSHOTTAM GADGI	Mechanical properties of High strength concrete by using Zeolite and metakaolin
3	1. AMBER KULASHETRA 2. NGOY MBUYU GRACE	Estimation of ingredients of concrete by weight and volume using python
4	1. S SHISHANTH 2. PIYUSH KUMAR 3. NITHIN AV	Analysis and design of multi-storeyed structure using NISA CIVIL
5	1. ENTUS JOHN RAPHY 2. ROBIN JOSE	Studies on mechanical properties of glass fibre reinforced concrete manufactured using RAP as replacement for fine aggregate

INHOUSE PROJECTS

1. SURVEY ENGINEERING LABORATORY AND STUDENTS USING TOTAL STATION



2. HIGHWAY ENGINEERING LABORATORY



3. CONCRETE TESTING LABORATORY STUDENTS USING LOADING FRAME



4. MATERIAL TESTING LABORATORY STUDENTS USING COMPRESSION TESTING MACHINE



5. STRUCTURAL DYNAMIC LABORATORY STUDENTS USING ELECTRO DYNAMIC SHAKE TABLE



INTERNATIONAL STUDENT EXCHANGE PROGRAM



MOHAMMED ARSHAQ ALI at Saint Martin's University

Honestly, there aren't enough words to express my gratitude and enthusiasm to describe this incredible student exchange journey at Saint Martin's University. It was one of the most awe-inspiring, amazing, and unforgettable experiences I've ever had! Personally, I found it to be very challenging and, as a result, even more interesting, because I had to quickly adjust to new conditions of life across the ocean from my home country. The students and the faculty at the University were very welcoming and friendly and I made quite a lot of friends in no time. I would like to thank and appreciate the faculty for conducting the classes in such a way that I couldn't even find any problem adjusting to the new system of learning. Along with my friends, I had the chance to visit some beautiful places in and around the city of Lacey especially with the international club group and taste some delicious food. I also had the opportunity to visit a few cities across the US such as Seattle, Chicago and New York. Even with the pandemic that affected us after my 2-month stay at the University and everything turning into an online mode, I should say that my academic schedule didn't fluctuate at all and I successfully finished my semester exchange program. In Spite of having a lot of fun and the types of tasks and requirements at the university; nevertheless, all of these details added to the most amazing experience I had during the semester at Saint Martin's University, WA, USA. Thank you.



INTERNATIONAL STUDENT EXCHANGE PROGRAM



KOTTAYIL BINDU ABRAHAM at Belarus

ADVENTURE AWAITS, GO FIND IT

Lucky are those who read a lot and those who travel a lot. The rich experience which they gain, not only discover new ways of Life but also makes them Wiser.

Receiving the Certificate from Prof. Leonovich S.N, Dean. These days visiting a foreign country has become quite common and easy, and I, too, have had the opportunity to do so. I travelled to Belarus, as a Student exchange Program to carry out my final year project at Belarusian National Technical University (BNTU), Minsk, Belarus. In the Department of Technology of Building Production and Building Materials of the Faculty of Civil Engineering under the direction of Doctor of Technical sciences Professor Leonovich S.N. Come – Let me share my impressions and experiences in Belarus with you.

The first and foremost thing that I liked when I stepped out of the Minsk Airport was the weather. It was minus degrees and completely frozen, the roads were covered with snow and ice.



BATCH OF 2017-21(BTECH) CIVIL ENGINEERING

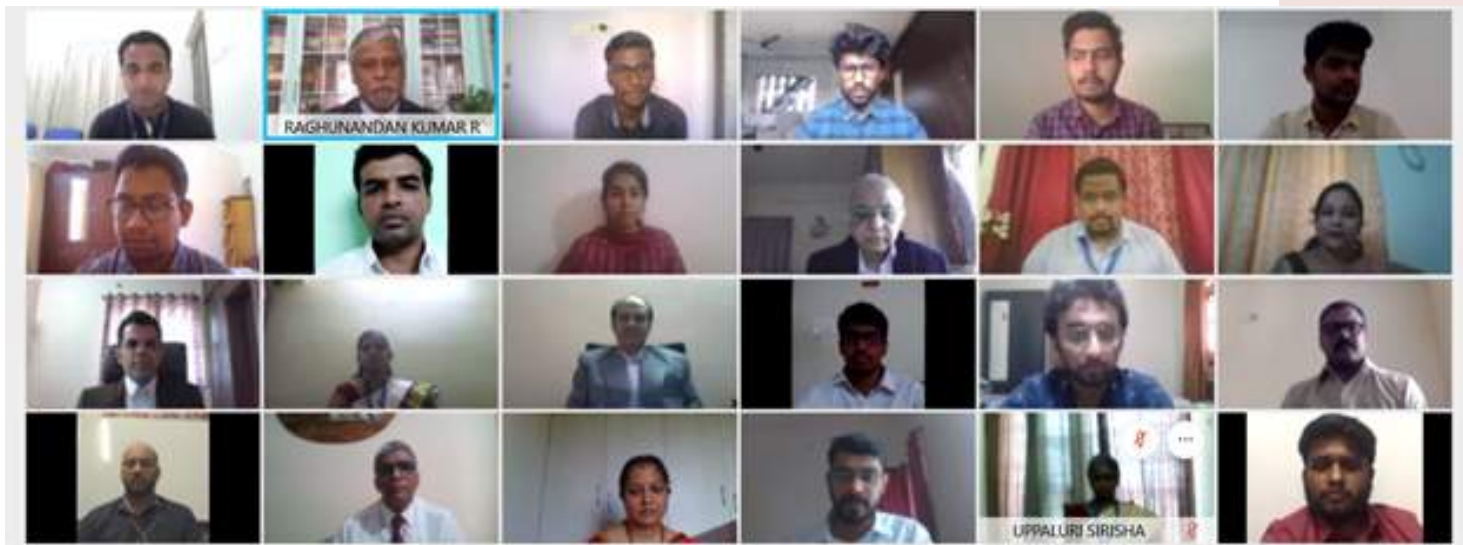


BTCI	
1	DEEDAR SHAMS
2	HARI GOVIND L S
3	JOEL JAMES
4	KODATALA VEERA BHARGAV REDDY
5	MANI EAPPEN
6	MOHAMMED ARSHAQ ALI
7	NITHIN A V
8	ROBIN JOSE
9	STEFAN LUKE
10	NGOY MBUYU GRACE

BTCI	
11	ROSE ANN GEORGE
12	YADHU SHAJI
13	BALRAJ .M
14	OM PRAKASH PANDIT
15	PURSHOTTAM GADGI
16	SYED ABDUL RAHEEM
16	VADLAPATI BHAVANA
17	ENTUS JOHN RAPHY
18	MUHAMMAD AJMAL P
19	ADHIL P
20	MONAL KUMAR

BTCI	
21	PIYUSH KUMAR
22	SOURAV GHIRIA
23	JEETIN BISHNOI
24	S SHISHANTH
28	SADAIF ANDRABI
26	VOMKARAM RAJA RAMESH
27	TELAGAMSETTI TIRUPUJITHA
28	YAMMALA JAY KARTHIK
28	AMBER KULASHRESTA
30	VITTAL SHRIHARSHA

BATCH OF 2019-21(MTECH) CIVIL ENGINEERING



MTECH	
1	Abishek D
2	Abraham Alex
3	Bijo M D
4	Gire V K
5	Jaisappan V James

MTECH	
6	Nithin M
7	Tony Davis Pallip
8	Yogeswaran P
9	Renju C Mathew

ALUMNI TESTIMONIAL

My name is Jhendri V.S and I graduated in B-Tech (Civil Engineering) in 2016. I am working as the Business Development manager at Vellayil Constructions.

Christ University has always provided us young people a platform, to pursue the career that we want to be invested in, with full assistance starting from day one and monitoring our progress in every step. Apart from learning, the Civil Engineering Department and its faculty have always ensured that, we have an exposure to tremendous events that go on in and out of the college, that helps nurture our talents too. We have programmes to ensure that every student gets the prerequisite training and knowledge of interviews and prepares us to be bold and confident enough to appear for the challenges that awaits ahead and to give our best.

An amazing four years of experience at this place. I'm always going to miss this place.



JHENDRI V.S

**Business Development manager
at Vellayil Constructions**



Hi, I am Ankita Patowary, graduated in M.Tech (Structural Engineering) in 2018. Achievements-applauds, opportunities-thoughts, this is what I gained from Christ University. The multi-cultural environment at Christ not only helped me to build friends from different parts of the world but also inculcated growth and dimension to my personality. The excellent infrastructure such as the advanced laboratories, excellent library with access to numerous digital journals helped me to make the process of learning here at Christ easier.

Currently I am working in the Public Works Department (Roads), Government of Assam, as a Graduate Engineer (Civil). Along with the theoretical and practical knowledge, I must admit the leadership and the technical decision-making capacity which I had developed during my tenure in Christ has helped me to grow as a professional.

My period at Christ has really changed who I'm and who I actually need to turn out to be expertly. The way of life at Christ encouraged the sharing of ideas, critical discussions and joint collaborations among the students and the professors across a wide scope of interests. I believe it's rare to find the encouragement that the professors of Civil Engineering Department of Christ University provide to the students for their new ideas, projects. I also gained similarly much from my fellow students who turned into my friends and family and from whom I still learn.

Being a CHRISTITE is the best way to embark on the journey to become one of the best Civil professionals; technically and intellectually.

**ANKITA
PATOWARY**

PWD, GOVT. OF ASSAM

ALUMNI TESTIMONIAL

Hi, I'm Namitha Dinesh, graduated with MBA in Marketing (2020) and B.Tech in Civil Engineering (2018) from Christ University. Stepping into Christ university in the year 2014 has undoubtedly been the turning point of my life that has helped me be the assertive individual I am now. I am grateful that I started my journey as a Christite with the Department of Civil Engineering. The kind of nurturing and encouraging environment established by the faculty played an imperative role in molding my leadership and managerial skills. The faculty comes with years of industry experience and when coupled with upgraded facilities and resources, provides a huge scope for research alongside other opportunities a Christite would obtain.

I was a part of the CR fraternity, CSA and Cul- team and the exposure I received via fests, conferences and corporate interfaces helped me be a front runner at multiple stages in my professional life and I'm confident about facing the hurdles in future.

I am currently working in Zee Entertainment Enterprises Ltd. as an Ad Revenue Cluster Analyst for key accounts of Southern market. The whole experience at Christ University, gave me a solid foundation to kick-start my career and multiple achievements I'm proud of.



NAMITHA DINESH

**Zee Entertainment
Enterprises Ltd. as Ad
Revenue Cluster Analyst**



SAROJ KUMAR

**Swastik Infra-
Logic (India) Pvt.
Ltd., Navi Mumbai**

Hi, I am Saroj Kumar, I graduated B.Tech in Civil Engineering from Christ in 2015 and Post Grad from NICMR, Pune in 2018. I can proudly say that I am a Christite and it gives me immense pleasure to share my opinion and experience about the university.

The department of Civil Engineering was one of the smallest divisions on the campus which enabled the faculty and the students to truly share a bond and we had such a great time. The students were so diverse, from various cultural backgrounds, an amazing experience to have spent four years with such lively people. The curriculum was very practically oriented and the faculty made sure that it does not get boring, the sessions were engaging and enthralling.

Christ University stands out from other universities, they religiously focus on the development of the students in all aspects such as in academics, cultural, sports, extracurricular, etc unlike others. The opportunity and the exposure to have participated in so various activities have helped me to find myself and mold me into a person and a professional.

I am currently working in Swastik Infra-Logic (India) Pvt. Ltd., Navi Mumbai as a project coordinator for infrastructure projects and a tendering and estimation executive for potential projects. To me, it doesn't come as a surprise that I'm still able to practice the theory and the concepts I had gathered from Christ as the curriculum is tailor-made for the professional corporate world. The faculties are still very close to me. We are just a call away and they ever so supporting, guiding with their academic expertise.

Christ University is well functional, well equipped, and with international standards of infrastructure are always keen on moving forward with technology with an urge to provide the best for their students. The various divisions and departments give candidates a lot to choose from.

ALUMNI TESTIMONIAL

Pursuing Masters in the same college is not a new trend for Christ University, this shows itself the quality and promise of every department in Christ University. I graduated in the year 2016, even though our batch was the 3rd batch in civil engineering and the college was just four years old, it never felt as if the department was not ready. We had the best team of faculties and unforgettable teaching moments in our 4years of journey with the university. The university made sure the curriculum always stood out and had the most advanced facilities since its inception. The curriculum is curated with advanced facilities, letting us students to have hands on experience with many site equipment like total station, which during my employment days aided me to be well equipped and have a perception on what the duty calls for, while students from various other institution in my workplace never got to have their hands on experience on it. In the span of four years having Architecture and Construction management commence has opened new opportunities for multidisciplinary studies. Christ University has always had the most welcoming faculties, who take their utmost effort helping their students and always made sure of the student - teacher bonding. Even as the pandemic hit, the university ensured the best platforms for classes and exams, teachers being well prepared and geared with modern teaching aids and ability to take hybrid classes.

Joining Christ overwhelms me and seeing it grow beyond expectations is definitely an experience worth sharing. Amidst the difficulties in paying tuition and hostel fees during the pandemic, the university provided students with scholarships and many other discounts encouraging aspirants to pursue education with excellence. The learner centric environment not only trained us in academic curriculum but also aided in a holistic development that has pushed our skills and competence to rise to zenith.



CYRIL SIBY
Mtech, Christ
University



**JOHN
ZACHARIAH**
Site engineer at
green valley
construction

Looking back at the first day of college, I am amused by the person Christ University has turned me into. I am extremely happy and grateful to have been a part of the Department of Civil Engineering family where I was nurtured both academically and holistically. The diversity of exposure to various domains have played a major role in helping me think more critically and effectively. The various industrial visits, workshops, survey camps, seminars conducted have always ensured that students get an insight into the practicality of the subjects learned inside a classroom, I was also fortunate to be a part of a 6 months long industry-oriented internship in my final year. The faculties have been a great support with their tireless efforts in my upbringing as an engineer. They have supported me not only in academics but also in extra-curricular activities. Our college campus is one of the most beautiful campuses with greenery around and provides various facilities from a well-stocked library to well-equipped laboratories. This college has been like a family and I will always remember and cherish every moment of my life spent here.

GALLERY

1



2



3



4



5



6



7



8



9



10



8. Bridge design workshop conducted by Skyfi lab
9. Kodagu funded project students and faculty working on site
10. Waste material bricks made and walls prepared by students with assistance of faculty

1. Industry visit at Shobha
2. Brick making by using Mardini block press machine in project laboratory
3. Students at Excon event
4. Environmental engineering lab students performing experiments
5. Site visit to RMC plant
6. Student and faculty run for engineers day.
7. Students conducting Drone survey at Lavasa

CACE 2021



CHRISTITES ASSOCIATION OF CIVIL ENGINEERS

FACULTY COORDINATOR



PROF. SARATHCHANDRA K

PRESIDENT



C G ARYA

**VICE-
PRESIDENT**



RONY BABY

SECRETARY



PARUL

**EDITED &
DESIGNED BY**



RAJEEN VARGHESE