

Malnad College of Engineering

January - December 2021

Annual Newsletter Web Edition

CED NEWS

CIVIL ENGINEERING DEPARTMENT MCE HASSAN | YEAR 2021

03

19

25



Letter from the Editor

Department News

Student News

Alumni and Development News

Malnad College of Engineering - A Brief History

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CED News is published by the Civil Engineering Department of MCE Hassan to share information among faculty members, staff, students, alumni and friends of the department.

HIGHLIGHTS



DEPARTMENT NEWS

- > PROGRAMS ORGANIZED
- > INDUSTRY RELATIONS
- > FACULTY SPEAKS
- > FACES OF CED
- > ADVANCEMENTS & RETIREMENTS



STUDENT NEWS

- > STUDENTS CLUB
- > STUDENT ACHIEVEMENTS
- GOLD MEDALLIST & TOPPERS' TALKS
- > GRADUATED STUDENT SPOTLIGHTS



ALUMNI & DEVELOPMENT NEWS

- > ALUMNI CONTRIBUTORS & ALUMNI BRIEFS
- > PROMINENT ALUMNI OF CED

ABOUT THE COVER PHOTO

Camera: OnePlus 5T Dual Camera 16 MP & 20 MP, f/1.7, 27mm (wide), 1/2.8", 1µm and 1.12µm, PDAF

Taken at: Mavanur Mallapana Betta, Hassan

Photo of **Mr. Pranav Swaroop**, Graduated Student of CED, MCE Hassan Clicked by **Mr. Rohan H. S.**, Graduated Student of CED, MCE Hassan

Letter from Head of the Department

Dear Friends,

As I write this letter, we are settled into the New Year 2022, and I am thrilled to see students in classrooms. A grand opening celebration with induction activities was held during December 2021 as part of the Orientation Program for the freshman entering MCE this year.

I am pleased to welcome new faculty members of our department – Mr. Hemanth, Ms. Chandini MS, Mrs. Nudi Shree, Ms. Siri Hemanth, Mr. Guruprasad D, Mrs. Rashmi BR, Ms. Arpitha BY, and Mr. Niranjan Nayaka RK, as Assistant Professors in the Civil Engineering Department (CED); read more about them on page 15. Ms. Tejaswini and Mr. Nithin K joined CED as Instructor and Mechanic. At the same time, it is with a deep sense of gratitude that I wish a fond farewell to several staff members. Mr. Khaleel and Mr. Ramamurthy retired from their long service at MCE, we appreciate all their efforts on behalf of our department. Read more about them on page 15.



This newsletter features stories on some of the great leaps from the monotonous teaching learning process led by our faculty for the overall development of CED through collaborations with professional bodies where they are active members, highlighting our contributions to the wellbeing of society, and conducting various programs in association with the professional bodies as well as other engineering colleges. In addition, the success stories of our beloved students academically as well as in cocurricular and extra-curricular activities, testimonials from the recently graduated students and their thoughts on being a professional, prominent alumni – their positions and contributions back to their alma mater forms the content of this newsletter.

I am grateful to our honorable Chairman – Sri. Ashok Haranahalli and Principal – Dr. C. V. Venkatesh for the confidence that you have placed in CED. Your support provides help with all accomplishments by CED. I am also thankful to our industry practicing advisor- Er. Narsimha Chary Poloju, and all our industry collaborators for all the support rendered through organizing a number of global programs, field trips, and special projects for undergraduates, and helps us through recruiting and training our best students and faculty. Your support continues to be very helpful as we endeavor to improvise on our quality of education. We need your support as we strive for excellence in all that we do. Please contribute regularly to the department. I always enjoy meeting and speaking with people interested in the department. Please let me know if you are near Hassan, Karnataka and would like to tour our facilities in MCE campus. Thank you.

Dr. A. J. Krishnaiah Professor & Head, CED



Letter from the Editor



COVID-19 has impacted all of us to some capacity. Specifically in our country, some things we used to get to do earlier such as social gatherings, daily travel rush in buses, local trains, intercity trains, flights were the things which seemed to have ceased during the early 2020 and thought that we rarely have the chance to enjoy them anymore. One of those things for faculty members was getting to be in their classrooms at CED in MCE Hassan and teaching students in person to teach, assess, and evaluate the students and help them to advance in their careers.

It was more than a semester since classes were moved to online and the campus closed at MCE during the beginning of 2021. The activities of the Civil Engineering Association (CEA) were also impacted greatly as we restricted assemblies, meetings, seminars, and any sort of in person interactions. In fact, most of the faculty meetings also went virtual. That's a big hit, especially when our faculty members also became well-versed and outsmarted the current generation in using the online tools. I hope an excuse of online classes or connectivity issues should not be valid henceforth, as ultimately it is the interests of student's matter the most. Many of our students have demonstrated excellence through our online teaching-learning process.

Taking this pandemic pivot into a digital strategy, and considering the evolution of mere readers to online scanners, we attempted to reinvent our department newsletter by providing a face-lift into CED News. Every year, you can expect a few of our top stories delivered right to your inbox. With the impacts of the coronavirus far-reaching, CED has also expanded its scope of coverage to include countless prospects of academia in the perspectives of faculty members, current students, and alumni. In the past, a lot of our coverage was limited to reporting of events and news of CED but this new editorial expansion provides opportunities for extended reading.

We hope, in some way, this newsletter would lighten the mood during what's been a difficult time for many.

Warm Regards,

Dr. Vijay V. Nair Editor & Assistant Professor Email: vv@mcehassan.ac.in





PROGRAMS ORGANIZED

Field Visit to Yettinahole Drinking Water Project | 12 February 2021

A one-day technical field visit to **Yettinahole Drinking Water Project** was organized by CED on 12 February 2021 exclusively for final year students. 61 students, 8 teaching faculty members, and 2 non-teaching staff members visited various locations of Yettinahole Drinking Water Project.

The components visited include Weir-2 and Tunnel about 590 meter length at Maranahally, Weir-6 and Pump Station (2000 HP Vertical turbines) at Kadavarahally, Weir-7 & River Hongarahalla at Maganahally, Weir-1, Kempuhole or Yettinahole and Delivery Chamber-3, Pump stations; Pipe Bridge over Hemavathy River and Pump Stations at Hebbanahally.

Students were able to comprehend the importance of the pier, pump stations and various scale of motors ranging 2000 - 5600 HP, service road, pipe lane and electric lines to lift the water

about 180m head. The main objective of this project is to provide drinking water to Chikkaballapura, Kolar, Bengaluru Rural District and some parts of Hassan District. Students also were able to understand various terminologies like cumecs, cusecs, TMCs, catchment area, etc. During the visit Mr. Vasantha (Assistant Executive Engineer), Mr. Krishna Murthy, Dr. B. E. Yogendra and Prof. S.B. Devaraj explained various parts of the weir structure, pump stations, tunnels, etc.

Dr. K. C. Manu was the Coordinator of the program. Dr. A. J. Krishnaiah (Prof.& Head), Prof. S. B. Devaraj, Dr. H. S. Narashimhan, Dr. B.E. Yogendra, Dr. Mohan Kumar Chavan, Dr. K.C. Manu, Dr. Vijay V and Mr. Chethan Kumar accompanied the students. Mr. Thotappa and Mr. Y.S. Srinath non-teaching staff members also accompanied the students.









Karnataka's ambitious Drinking Water Project

A Valuable Learning Experience

PROGRAMS ORGANIZED

Field Visit to Devihalli – Hassan National Highway Project (NH75) | 22 March 2021

A one-day technical field visit to Devihalli – Hassan National Highway Project (NH75) was organized exclusively for the prefinal year students as a part of the Memorandum of Understanding (MoU) between CED and National Highway Authority of India (NHAI) on 22nd March 2021.

The existing MoU between CED and National Highway Authority of India (NHAI) for conducting periodic investigation and providing suggestions for improving the efficiency of highways paved an opportunity for our prefinal civil engineering students to this technical field visit.

The students witnessed various equipment used for crushing aggregates, concrete batching plants, automated techniques used for the gradation of aggregates in the industries, and asphalt batch mix plant. students were also introduced to the material testing facility of NHAI where the field materials are tested, which are intended for use in highway construction.

The technical field visit started at 10:30 AM (IST) and ended at about 4:00 PM (IST). It was concluded that the technical field visit was successful by the faculty incharge – Mr. Chethan Kumar N. T., Mr. Darshan G. C., & Mr. Guruprasad K., Assistant Professors of the Department of Civil Engineering, MCE Hassan.

It was recorded through the report submitted by the prefinal year Civil Engineering students that the technical field visit helped them to improve their knowledge by having experiencing practically the concepts and principles of highway engineering.







Snapshots taken during the Field Visit showing a group photo clicked during the visit student and the interactions with NHAI personnel in the field





PROGRAMS ORGANIZED

Web E-talks | 19 June 2021

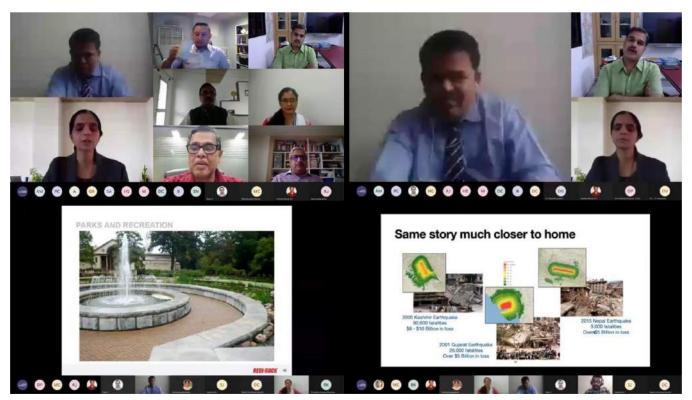
The "Web E-Talks" was organized by ASCE – India Section Southern Region (IS SR) in association with MCE Hassan on 19th June 2021. The main aim of this Web E-Talks was to bring together the leading industry personnel to share their experiences and research outputs on recent practices in Structural Engineering stream with research scholars, UG/PG students, faculty members, and Civil Engineering professionals across the globe. The event brought together some 300+ research scholars, faculty members, UG/PG students, and industry personnel to witness the recent advances in the industrial arena of Structural Engineering across the globe.

The Web E-Talks started with the Presidential address by **Sri. Ashok Haranahalli**, Chairman, MTES®, followed by welcome note & an overview of MCE Hassan by **Dr. C. V. Venkatesh**, Principal, and **Dr. A. J. Krishnaiah**, Head, Civil Engineering Department welcomed and thanked organizing team ASCE IS SR – **Er. Narsimha**

Chary Poloju - President, Dr. Bharathi Ganesh - Secretary, and Dr. K. Vidhya - Treasurer for giving opportunities to host the events conducted by ASCE IS SR. Er. Narsimha Chary Poloju invited the distinguished Guest of Honor — Dr. Ramancharla Pradeep Kumar, Ph.D., Registrar of IIIT Hyderabad to inaugurate the Web E-Talks.

The technical sessions followed the inaugural session & the presentations by the Guest Speakers. The Guest Speaker - Mr. Daniel **Cerminaro** was introduced by Mrs. Supriya M. J. an outstanding & interesting followed by presentation on application of precast modular blocks in retaining wall systems. The Guest Speaker Arjun Jayaprakash Dr. introduced by Dr. Bharathi Ganesh followed by an interesting presentation on Catastrophe modelling & seismic loss assessment with case studies from different parts of the Globe.

A Technical Report can be accessed here



Glimpses of the Web E-talks during the inaugural and technical sessions

PROGRAMS ORGANIZED

1st International Conference on Advancements in Structural Engineering | 8-10 July 2021

The 1st International Conference on Advancements in Structural Engineering was organized by MCE Hassan as Media / Technical Partner in association with American Society of Civil Engineers (ASCE) – India Section Southern Region (IS SR) during 8th – 10th July 2021. The event was the first conference held by ASCE IS SR, bringing together representatives from research, academia & industry from different parts of the Globe. The audience enjoyed the packed agenda of speakers and presentations.

The Chief Guest - **Dr. K. N. Gunalan** highlighted about the UN's high-level political forum which was then in session in New York virtually talking about various topics — primarily on "Sustainable Development". **Dr. Gunalan** appealed to all the participants in the academic area, doing research and working on new things, as counterparts in Structural Engineering to look for nature-based solutions and look for what we need to do to sustain this planet that we call "Home".

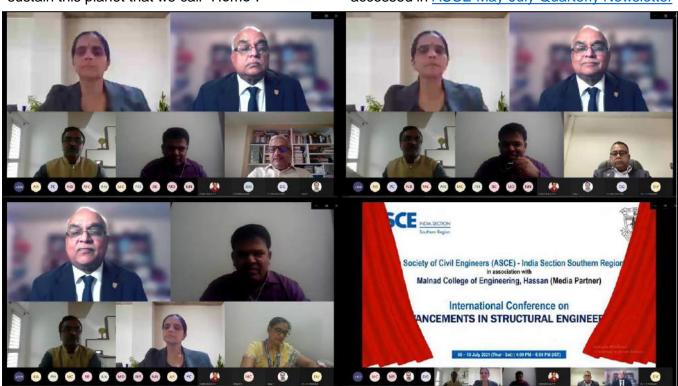
Dr. K. N. Gunalan Vice President, AECOM | President, ASCE 2020

"All the participants in academic area, doing research & working on new things, as counterparts in Structural Engineering should look for nature-based solutions & look for what we need to do to sustain this planet that we call – Home"



The International Conference was inaugurated by **Dr. K.N. Gunalan**, in the gracious presence of **Er. Narsimha Chary Poloju**, President, ASCE IS SR, **Sri. Ashok Haranahalli**, Chairman, MTES®, & **Dr. C. V. Venkatesh**, Principal, MCE Hassan. **Dr. A.J. Krishnaiah**, Professor & Head, CED welcomed all the participants to the conference, and **Dr. Vijay V. Nair**, Assistant Professor and the Program Coordinator proposed the vote of thanks.

The key takeaways from the program can be accessed in ASCE May-July Quarterly Newsletter



Glimpses of the Inaugural Session: Welcome address by Dr. C. V. Venkatesh and Er. Narsimha Chary Poloju, felicitation and the inauguration by the Chief Guest – Dr. K. N. Gunalan

PROGRAMS ORGANIZED

International Webinar Series on Structural & Geo-Confluence | 5 November 2021

ASCE India Section Southern Region in Department of Civil association with the Engineering, Mahendra Engineering College, Namakkal, & MCE Hassan jointly organized the International Webinar Series on Structural and Geo-Confluence on the 169th ASCE Day - 5th November 2021 as a part of the ASCE Day Anniversary Celebrations. The International Webinar Series was a fortnightly three-days event supported by various professional bodies including Indian Geotechnical Society -Hyderabad Chapter, Institution of Engineers (India) - Mysore Local Centre, Institution's Innovation Council, and Indian Concrete Institute, Chennai Centre.

This virtual webinar emphasized on seismic prediction methods and its related test was discussed, the field test like cross hole seismic test, down hole seismic test & crosshole / cross face tomography are explained in a significant way. The sustainable resilient structure is described in a noteworthy way. The innovative

resilient materials for the seismic resistance were discussed in this international webinar. The National and International experts contributed their knowledge in a remarkable manner. This session is eye-opening for the researchers and academicians.

The welcome address was delivered by Dr. R. V. Mahendra Gowda, Principal, Mahendra Engineering College, Namakkal. Dr. R. Samson Ravindran. Executive Director. Mahendra Educational Institutions & Dr. A. J. Krishnaiah. Professor & Head, CED, MCE Hassan felicitated the gathering. The international virtual webinar was inaugurated and presented the profile of Guest of Honor - Dr. Samadhiya Narendra Kumar Professor of Geotechnical Engineering by Er. Narsimha Chary Poloju, President, ASCE IS SR.

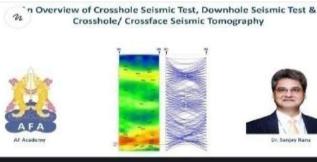
The key takeaways from the event can be accessed in the <u>ASCE India Section Quarterly Newsletter</u>.

Dr. S. Narendra Kumar, Ph.D. Professor, IIT Roorkee

Shared his views related to soil structure interaction & its importance for the sustainable manner & also came up with soil testing methods & its applications for predicting the seismic propagation









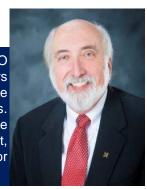
PROGRAMS ORGANIZED

International Webinar Series on Structural & Geo-Confluence | 19 November 2021

ASCE India Section Southern Region in association with the Department of Civil Engineering, Mahendra Engineering College, Namakkal, & MCE Hassan jointly organized the first fortnight of the International Webinar Series on Structural and Geo-Confluence on 19th November 2021. The international virtual webinar was inaugurated & presented the profile of Guest of Honor - Dr. Dennis D. Truax Ph.D, ASCE President 2022 by the President of ASCE IS SR

Dr. Dennis D. Truax, Ph.D.President, ASCE 2022

Emphasized on "EDUCATE TO BE INNOVATORS" Managers for risk & uncertainty, we have to design our infrastructures. The code for tomorrow like society, peers, environment, profession and clients or employers

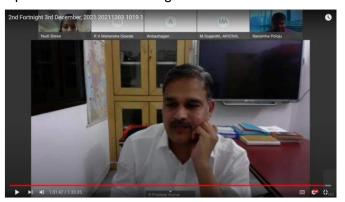






International Webinar Series on Structural & Geo-Confluence | 3 December 2021

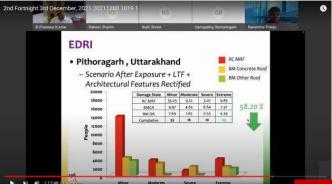
The second fortnight of the International Webinar Series on Structural and Geo-Confluence organized by ASCE IS SR in association with the Department of Civil Engineering, Mahendra Engineering College, Namakkal and MCE Hassan was held on 3rd December 2021. **Dr. Sushil Kumar Dhawan**, the former Chief Engineer of Central Public Works Department, Gol was the Special Guest of the Program



Dr. Sushil Kumar Dhawan PhDFormer Chief Engineer, CPWD

Outlined the importance and need for sustainable solutions to overcome the challenges of current world including global warming and climate change





PROGRAMS ORGANIZED

AICTE - ISTE sponsored Induction / Refresher Program on "Pollution Control and Remediation - A Geo Environmental Approach" | 29 December 2021 - 04 January 2022

The Program for faculty members of all technical institutions in India was sponsored by the All India Council for Technical Education (AICTE) through Indian Society of Technical Education (ISTE) organized by the Department of Civil Engineering of MCE Hassan.

The six-days program was inaugurated by the invited Guests of Honor: Dr. Elias B. Sayah (President & CEO, Sayah Engineering MENA and also the Director of ASCE - Region 10), Dr. S. K. Ukarande (Principal, K.J. Somaiya Engineering Institute of & Information Technology and also a Member of the National Executive Council, ISTE, New Delhi) in the gracious presence of Dr. C. V. Venkatesh (Principal, MCE Hassan) and Er. Narsimha Chary Poloju (Industry Practicing Advisor, Civil Engineering Department, MCE Hassan and also the President, ASCE IS SR). The Guest of Honor - Dr. Kamal Laksiri (Project Director at the Ceylon Electricity Board and also the Governor – Region 10, American Society of Civil Engineers) joined us during the event.

Resource Speakers were identified from premier institutes of the country including Indian Institute of Science, Bangalore, National Institute of Technology Karnataka, Surathkal, University Visvesvarava of Engineering, College Bangalore. In addition, eminent speakers from Institute for Global Environmental Strategies, Japan, personnel from State Pollution Control Board, and faculty researchers from other renowned institutes. The key takeaways from the presentations of the resource speakers, and all other details of the Refresher Program can be accessed in the Report of the AICTE-ISTE sponsored Induction/Refresher Program 2021-22.

Dr. Elias B. Sayah
President & CEO, Sayah Engineering MENA
Director, ASCE – Region 10

"Utilize all the resources open to all members or as a student member. Get informed and let your voice be heard and improve the whole thing for ASCE"





Dr. S. K. Ukarande Principal, KJSIEIT, Mumbai Member, National Executive Council, ISTE

"There is a lot of spurt in population, industrialization, urbanization to meet the need (& greed) of human kind. We, as individuals, faculty, and scientists should make aware of the society & as root cause attempt to minimize, control pollution & remediate already polluted sites"

Dr. Kamal Laksiri Project Director, Ceylon Electricity Board Governor, ASCE – Region 10

"Continuous Professional Developments (CPDs) are must to keep ourselves up-to-date as engineers. In this process, CPDs are planned acquisition of knowledge, experience & personal qualities for proper execution of our professional & technical duties throughout out our career as engineers"





Col. B. Venkat
Director, Faculty Development Cell, AICTE

"This Refresher program has achieved, what it was meant for. We have done justice; ISTE along with AICTE have done justice in identifying an institute capable enough delivering the results."

Based on the guidelines from ISTE, 65 faculty members of technical institutions across India were selected as participants for the AICTE-ISTE sponsored Induction/Refresher Program

PROGRAMS ORGANIZED

Dr. C. Gifferd Satyadas Memorial Lecture Series | March – October 2021

With the encouragement and support from our Industry Practicing Advisor, Er. Narasimha Chary Poloju and the Civil Engineering Association (CEA), the Civil Engineering Department of MCE Hassan instituted the Dr. C. Gifferd Satyadas Memorial Lecture (Dr. CGSML) Series to honor the service rendered and a tribute to (Late) Dr. C. Gifferd Satyadas, ex-Principal of MCE Hassan.

Monthly webinars / lectures on topics related to Civil Engineering covering a wide range of issues associated with Practice and Research were organized inviting prominent academicians from premium institutes of the country, faculty researchers from renowned institutes, industry personnel from Government and Private Sectors.



Dr. C. Gifferd Satyadas

Dr. C. Gifferd Satyadas Memorial Lecture Series

Quality Civil Engineering Continuing Education Sessions

The webinars are highly recommended for final year UG and PG students of Civil Engineering and allied branches, research scholars, faculty practicing civil members. and engineers. Sessions of 60 – 90 min durations enlightening about the advancements in industry and various problems that are beina addressed researchers were elaborated during their presentations.

Discussions between the students and the resource speakers during the Q&A sessions revealed the curiousness of the student audience. The programs were organized in virtual and hybrid modes.

The <u>list of events</u> organized can be accessed by the readers. The second edition of the Dr. CGSML series is expected to be resumed during February 2022, which will be coordinated by the Students' Club of CEA. <u>Registration</u> is free but mandatory to receive Certificate of Participation.





Scan the QR Code to know more about the resource speakers and title of their talks during the Ist Edition of Dr. CGSML Series



Updates about Dr. CGSML Series will be shared through our LinkedIn page

PROGRAMS ORGANIZED

Technical Writing Contest | October 2021

In an effort to promote and engage student voices and ideas about the profession of engineering, the CEA of MCE Hassan instituted its 1st Biannual Civil Engineering Technical Writing Contest. The contest was open to all UG Civil Engineering students registered in any AICTE-approved Engineering Colleges across India. Among 12 submissions received, two winners were selected after scrutinizing the technical writings submitted by students all across India.

First Prize Winning Team:

Jeslo Emmanuel Joy & Sreelekshmi N. S. Amal Jyothi College of Engineering, Kanjirapally Title of the Technical Writing:

Tiny House on wheels using EPS Concrete **Panels**

Second Prize Winning Team:

Patnala Vinay Chandra & Vaidyam Sai Kiran B. V. Raju Institute of Technology, Narsapur Title of the Technical Writing:

Reality Modelling using Bentley Context Capture

In addition to the cash prize, all winners received the MCE - CEA Certificate of Technical Achievement. All participants were appreciated through Certificates of Participation.

Photography Contest | October 2021

wonderful opportunity was opened photography enthusiasts of MCE Campus to think beyond engineering education and express their creativity through their amazing photography skills during October 2021.

Photographs of Civil Engineering and MCE Hassan are used throughout the Newsletter. The contributors are UG students of CED - Pranav Swaroop CN, Rohan HS, Mohammed Idris Ali, Zubair Nabi, Phuntsok Namgail, and Manoj TN.



Malnad College of Engineering, Hassan (An Autonomous Institution under VTU, Belagavi)

CIVIL ENGINEERING DEPARTMENT



TECHNICAL WRITING CONTEST - 2021

Sri. Ashok Haranahalli Chairman, MTES®, Hassan

Patrons

Sri. Thimmappa Gowda Vice-Chairman, MCE Hassan

Sri. R. T. Dyave Gowda Secretary, MTES®

Treasurer, MTES® Dr. Arvind

Joint Secretary, MTES® Dr. C. V. Venkatesh

Dr. A. J. Krishnaiah Head, Civil Engineering MCE Hassan

Program Coordinators

Dr. Vijay V Ph.: +91 96113 33234

Email: vv@mcehassan.ac.in Dr. K. C. Manu Associate Professo

Civil Engineering Department MCE Hassan Ph.: +91 99642 46092 Email: kcm@mcehassan.ac.in Submission Date: 10th October 2021

Register & Submit Here https://forms.gle/R68N5DwQXEtm4etW9

Proud of writing your project from one of your courses in Civil Engineering?

Submit your writings for your chance to win Cash Prizes & get Recognized

Submit your writings on one of the streams:

Structural Engineering Geotechnical Engineering Construction Technology Transportation Engineering Environmental Engineering Water Resources Engineering Utility & Development Engineering Remote Sensing & GIS

Eligibility: UG Civil Engineering students registered in any AICTE-approved Engineering Colleges across India

Registration Fee: ₹ 200 per writing

Learn more about the contest using the QR Code 同語為德国

 Detailed terms and conditions Template & Submission Link

■ Registration Fee Payment



1st Prize - ₹ 1500 2nd Prize - ₹ 1000

Scan here

All winners will receive MCE-CEA Certificate of Technical Achievement All participants will receive Certificate of Participation



INDUSTRY RELATIONS

A Memorandum of Understanding was signed between CED and CADD Centre Training Services, Hassan for providing value added courses, training and placement opportunities to the students. Both the organizations entered into the present agreement for the purpose of strengthening the knowledge of students of CED in the area of management, engineering software, through sharing and training of faculty services and extending infrastructure facilities.





The Memorandum of Understanding was signed between **Dr. C. V. Venkatesh**, Principal, MCE Hassan, **Dr. A. J. Krishnaiah**, Professor & Head, CED, MCE Hassan, and **Mr. S. D. Srinivas Murthy**, Centre Head, CADD Centre Training Services, Hassan on 25th September 2021.

Turner Technical Services selected two students – Ms. Divya DR and Mr. Jeevan BM as "Consultant – Assistant Quantity Surveyor" after a rigorous selection process including written tests and campus interviews and HR interview at Bengaluru. Turner Technical Services also selected two students as paid interns for a period of six-months.

In continuation with the association with CADD Centre, an interactive SESSION ON USE OF STRUCTURAL DESIGN SOFTWARE in Civil Engineering Domain was organized by CED in association with Srinidhi Infrastructure with the expert - Er. Kiran Kumar, on 1 December 2021 for all the faculty members and interested students of CED.



Turner









Glimpses of the placement drive conducted by Turner Group organized by CED as a part of the MoU with CADD Centre & Training Services, Hassan

FACULTY SPEAKS

Gone is the era when knowledge flow from the learned teacher to the student, made the student employable, prepared him for higher studies or made him an entrepreneur. In the present scenario, at the rate with which the technology is changing / getting obsolete has got exponential. traditional approach to education employability is not relevant & effective. According to an employability study conducted by a New Delhi-based company based on 150,000 engineering students who graduated in 2013, only 3% of passed out engineering graduates have suitable skills required for software Industry and only 7% have the capability to get employed in core domain. 97% of passing engineering graduates from educational institutions do not have adequate skills to be employed (Source: www.indiatoday.in/education-today/featurephilia/)

The keywords of Industry 4.0 are digital control with software and services, visualization of production in real time, IoT, collaboration in work, artificial Intelligence assisted. The educational Institutions will have to adapt to the rapid changing work environments. The time is of specific, measurable and attainable outcomes which can be precisely measured, monitored and modified or redesigned to get the desired outcomes. Outcome Based Education (OBE) is one of this kind. In this context, the traditional education based on theoretical university approach to courses, repetition of questions from old question papers, lower order thinking levels, outdated unchanging syllabus not aligned with the present needs of the industry is graduating students with an undesired outcome of OBE, i.e., unemployability. The teacher limited to his knowledge of core courses and years of experience of teaching will never be able to prepare student to be industry - fit. The role of the teacher will have to go through a paradigm shift from the role of the teacher to the role of a facilitator.



The teacher as a facilitator, will be an academic leader, with excellence in teaching skills, easily accessible, always a learner, and up-to-date with the current scenario. Well connected with the stakeholders, ever trying to emerge out of difficult and nearly impossible situations with innovative solutions, involving and training the younger faculty members and students into the work, well-defined methods of work process and well disseminated, recognizing and rewarding all concerned for good performance. He / She will be instrumental in instilling work culture, passion and sense of belongingness to the place of work. He / She will be supportive to change and innovation, with students' active involvement in the entire process of course design, assessment strategies, and feedback.

Such a teacher will be a coordinator of industry – institute interaction through the alumni, in facilitating a platform for the industry to share the best practices, an advocate of latest technological advancements & their implementation strategies, for effective interaction of students with the industry experts.

FACULTY SPEAKS

He / She will connect with research institutes & centers of higher learning, co-ordinate with the activities of training & placement cell, entrepreneur cell, industry - institute cell, science & entrepreneur technology park, etc., within the institution, these chapters being active themselves. He / She will thus create an environment conducive to learning in a multidisciplinary setting through ICT tools. In such student centric environment designed by the facilitator, the student will emerge with a strong dimension of core skills and broad-based skills of leadership, etc., He will be a leader/ team member - a learner who will be able to adapt himself to the challenging dynamic professional environment. He will prove to be effective contributor in providing solutions to the problems of the society, thereby in nation building.

The active role of the facilitator begins with the design of a course. The beginning of the design of the course will be in the change in the thought process, aligning the thought with the present context of technological change, reconfiguring oneself to the ever-narrowing reality of time & instant communication & intelligent systems. Recognizing the fact of the acceptance of these in our daily lives, the proof of which is the mobiles than we are accustomed to. Education System, more so the Professional Education System better recognize the inevitability of rapidly adapting itself to this change. Here the crucial factor is the and the transformation of the role of a teacher to a facilitator. Application of that change in the thought process should lead to aligning the teaching – learning methods to OBE...

- Mrs. Sumana Jayaprakash, Assistant Professor

Teaching & Non-teaching Faculty Achievements

- Dr. K. C. Manu was promoted as Associate Professor during March 2021
- Mr. Kirana Prajwal R was promoted as Instructor / Estate Manager during March 2021
- Mr. H. R. Prasanna was promoted as Instructor during March 2021
- Dr. Vijay V and Mrs. Supriya M. J. presented their research works at the International Conference on Advancements and Innovations in Civil Engineering, organized by KDK College of Engineering, Nagpur in association with ASCE-ISWR, ISTE, IEI-NLC, ICI-NC, and IWWA-NC, during March 2021
- Dr. Vijay V was recognized as 2020 ASCE Outstanding Reviewer during June 2021
- Dr. A. J. Krishnaiah was sanctioned the AICTE-ISTE grant amount of Rs. 93,000/- to conduct a Refresher / Induction Program on Pollution Control and Remediation: A Geo Environmental Approach during November 2021
- Mr. A. H. Thimmaraju was promoted as Foreman during 2021
- Prof. S. B. Devaraj gave a detailed information about MCE Testing and Consultancy Services
 rendered by CED about the field examination conducted, the tools used by the engineers for testing
 purposes, and a brief insights about the test results for the stability of the building to the Class X
 students during 8 December 2021
- Mr. Kishor Kumar S successfully defended his Ph.D. thesis from the University of Mysore on 15th
 December 2021
- Mr. Chethan Kumar N. T., Mr. Dashan G. C., & Mrs. Nudi Shri, cleared the entrance and registered for Ph.D. in Civil Engineering Sciences under VTU Belagavi during December 2021

FACES OF CED 2021



Dr. A. J. Krishnaiah
Professor & Head
Geotechnical Engineering



Mr. S. B. Devaraj

Associate Professor

Structural Engineering



Dr. B. E. Yogendra

Associate Professor

Water Resources Engineering



Mr. K. S. Manjunath

Associate Professor

Structural Engineering



Dr. H. S. Narashimhan
Associate Professor
Structural Engineering



Mrs. R. S. Dakshayini
Assistant Professor
Industrial Structures



Mrs. Sumana Jayaprakash
Assistant Professor
Architecture



Dr. Mohan Kumar Chavan
Professor
Urban Transport Planning



Dr. Kishor Kumar S

Assistant Professor

Environmental Engineering





FACES OF CED 2021



Mrs. C. Indumathi
Assistant Professor
Construction Tech. & Mamt.



Dr. K. C. Manu
Associate Professor
Structural Engineering



Mr. N. T. Chethan Kumar
Assistant Professor
Transportation Engineering



Mrs. M. J. Supriya

Assistant Professor

Structural Engineering



Mr. G. C. Darshan
Assistant Professor
Highway Technology



Dr. Vijay V Nair
Assistant Professor
Environmental Engineering



Mr. Prasad Pujar
Assistant Professor
Geotechnical Engineering



Mrs. D. S. Amrutha
Assistant Professor
Environmental Engineering



Mrs. H. D. Lavanya
Assistant Professor
Environmental Engineering

FACES OF CED 2021



Mr. Hemanth

Assistant Professor

Construction Tech. & Mgmt.



Ms. M. S. Chandini
Assistant Professor
Structural Engineering



Mrs. Nudi Shree
Assistant Professor
Structural Engineering



Ms. Siri Hemanth

Assistant Professor

Structural Engineering



Mr. D. Guruprasad

Assistant Professor

Structural Engineering



Mrs. B. Rashmi
Assistant Professor
Structural Engineering



Ms. B. Y. Arpitha
Assistant Professor
Hydraulics



Mr. R. K. Niranjan Nayaka
Assistant Professor
Structural Engineering



Dr. M. T. Venuraju

Professor Emeritus

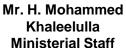
Structural Engineering

ADVANCEMENTS & RETIREMENTS

This year CED witnessed few heartfelt retirements. H. Mohammad Khaelelulla, appointed as Typist in our Institution on 13th May 1985. He worked in various capacities from typist to First Division Assistant. In all has discharged his stages, duties responsibilities in the desired manner. A meticulous personality who keeps all records and also checked on the deadlines to the teaching faculty members regarding entering CIE marks, attendance status, etc. Being a non-teaching staff member he cooperated and participated in the workshops organized in the Department. He maintained a well-balanced personal & professional life. He has two daughters & both completed their engineering education from MCE in Production Engineering Civil Engineering. He retired on his superannuation on 30th April 2021.

Mr. H. N. Ramamurthy was appointed as Estate/ Institute Engineer. Basically being a Civil Engineer, he worked on various capacities in the construction projects in MCE and retired as Foreman. He also actively participated in activities of CED including Annual Survey Camps, Industrial visits, etc. A dedicated staff responsible for the upliftment of CED. Many times he was involved in multiple projects in MCE and developed the infrastructures in the desired manner. He has developed a good rapport with the teaching faculty and non-teaching staff members.







Mr. H. N. Ramamurthy Foreman

Mr. Hemanth R, Ms. Chandini M. S, Ms. Nudi Shree, Ms. Siri Hemanth, Mr. Guruprasad, Mrs. Rashmi R, Ms. Arpitha B. Y., & Mr. Niranjan Nayak R. K. joined CED this year who specialized in Construction Technology, Computer-Aided Design Structures, & Water Resources Engineering. They are proving their caliber in teaching & are also well-versed with OBE. In addition, they hold the responsibilities including Syllabus Review Committee. Parent interaction. Maintenance of Department Website. Newsletter, NAAC, ME-RIISE, NIRF, Alumni Affairs, & Professional body relations.

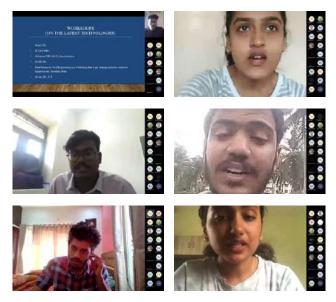


18

STUDENTS' CLUB

The Students' Club of Civil Engineering Association (CEA) was instituted through an election process. Five elected student representatives were expected to work to help the students of the CED to achieve its goals, ensure the success of CED's projects and advocate on behalf of Civil Engineering Students of MCE. They develop and implement their own initiatives, inspired by their advisor and aimed at making changes both on, and off, campus.

Representatives were elected on 6th December 2021 through online election process accounting for the ongoing COVID19 pandemic as per the instructions from District Headquarters to ensure COVID appropriated behavior inside the campus. The representatives were elected to work full-time with the Students' Club of CEA for the duration of 1-year term alongside their regular academics.



Glimpses from the virtual candidates' debate prior to the Students' Club Election

Meet our Students' Club Representatives – AY 2021-22



STUDENT ACHIEVEMENTS

- Ms. Divya DR, final year UG student bearing USN 4MC18CV403 presented a poster entitled "Nutrient Removal from Wastewaters using Biochar derived from Agricultural Waste and its Environmentally-safe Reuse" out of her UG Project Work at the *International Conference on Sustainable Biowaste Management 2021 (SBM2021)*, Hong Kong SAR, during 12 14 April 2021.
- Ms. Chandini MS, final year PG Student bearing USN 4MC18CCS01 received the Gold Medal in M.Tech. (CADS) during the AY 2018-20
- Ms. Sushma KN, final year UG student bearing USN 4MC18CV410 was the recipient of the following awards for her academic excellence during her engineering education at CED, MCE Hassan
 - ➤ KMK Sharma Cash Prize of Rs. 25,000/-
 - Smt. Nanjamma & Sri KV Marulaiah Award Certificate of Excellence for being the Branch Topper (CGPA = 9.73) during the AY2017-21
- Mr. Jeevan BM, final year UG student bearing USN 4MC17CV017 received the B. G. Gurappa Memorial Gold Medal for securing the highest SGPA (9.94) in the Final Year of B.E. Civil Engineering Program (Final Year Topper) during the AY2017-21



Participation Certificate of Ms. Divya from HKBU, Hong Kong SAR



Ms. Chandini MS receiving the Gold Medal from Dr. C. V. Venkatesh, Principal



Ms. Sushma KN receiving the Certificate of Excellence from Er. KMK Sharma



Mr. Jeevan BM receiving BG Gurappa Gold Medal from Mr. Thimmappa Gowda

STUDENT ACHIEVEMENTS

- Ms. Shubhadra R. Gouda (4MC19CV146) and Ms. Vidya KP (USN 4MC20CV164) received a cash prizes constituted by Shri. KMK Sharma for their excellence in first year of B.E. Civil Engineering Program
- Students of Civil Engineering were actively involved in various activities organized by the National Service Scheme (NSS), MCE Hassan such as Role of Students towards Society, Prerana – a Program through Nivedana Seva Internship, Yoga Program, and Crime Prevention Month during 2021





Ms. Shubhadra R. Gouda & Ms. Vidya KP receiving cash prize from Dr. C.V. Venkatesh, Principal









Snapshots during the community services project activities in association with NSS, MCE Hassan

STUDENT ACHIEVEMENTS



Ms. DIVYA D. R. Placed in TURNER TECHNICAL SERVICES





Ms. DRISTI Placed in INFOSYS





Ms. RACHANA LM Placed in ACCENTURE





Ms. KUSUMA B Placed in WIPRO



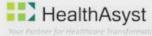
Mr. SAMPATH KUMAR B
Placed in HealthAsyst



Ms. SINDHU BS Placed in HealthAsyst



HealthAsyst





GOLD MEDALLISTS' AND TOPPERS' TALKS



Ms. M. S. Chandini, M.Tech. (CADS) Gold Medallist Assistant Professor | MCE Hassan

"My two years experience in CAD structures at MCE were among the best years of my life. I feel great to be a part of this institution because my college is not just a college which provides education, It is a institution which gives us a good knowledge and motivation to achieve our goals. Our college has provided me an excellent environment. I sincerely thank all my supportive lecturers who have showed me the path for reaching out my dreams. And also I thank our college for giving me such an amazing opportunity. Thank you all.."

Ms. K. N. Sushma

Branch Topper - 2021 Batch & Recipient of KMK Sharma Cash Prize

"It was my immense luck & fortune to be the part of CED, a memory to cherish for lifetime. My experience at MCE was full of learning & grooming. It gave me an opportunity to meet different kind of people from all around & learn many things from them. The entire faculty & CED leaves no stone unturned to shape one's future. Three years of engineering education was a wonderful experience of learning with prolific exposure to outside. Huge respect, love & devotion for entire faculty members. It's their efforts that made me to count myself into better professionals. Overall, it was a great experience & lifetime memory being a part of CED at MCE Hassan"





Mr. B. M. Jeevan Gold Medalist & Final Year Topper – 2021 Batch

"My four-year experience as a student of CED was unforgettable where I personally experienced a good relationship between the faculties & friends. All of them were supporting in all the aspects, had lots of fun during the entire journey, learnt many things useful for professional life as well as personal life. I was very grateful to be a part of MCE. CED started placement program that helped me in getting placed into Turner Group. Overall, it was a wonderful experience & I am sure that MCE will provide a great atmosphere to ensure bright future for its prospective students as well"

GRADUATED STUDENTS SPOTLIGHTS

MS. Divya DR (Selected through Campus Placement)
Consultant – Assistant Quantity Surveyor | Turner Technical Services

"It gives me pride to share that I completed my B.E. in Civil Engineering from MCE. The faculty & staff at the department are cordial, which gave me an opportunity to excel in my area of interest. I thank my institution & Professors of CED for their constant encouragement and support. Different events & sessions arranged in college have boosted my confidence to a great extent which I can experience at my workplace now. The strong academic curriculum created an excellent learning environment for me to gain practical skills & most importantly, confidence in the workplace. Civil Engineering program gave me a diverse range of skills in surveying, soil mechanics, drafting & drawing & many more."



Mr. Pranav Swaroop CN

Competitive Exams Aspirant



"Faculty members were good having very good teaching experience, friendly in nature. Students were encouraged for innovative projects in final year. I made some good friends who got emotionally connected helped each other in every aspects. We used to walk into college in the calm environment with full of green trees discussing creative ideas and plans. There were many ups and downs in my entire 3 years journey in MCE and learnt to be clam under those pressures which helped me to stay strong all time. This college has given me a good knowledge on civil engineering, now I am preparing for competitive exams. The course curriculum is excellent and covers all aspects that made us ready to race in this society. Very good place to learn. Its really an amazing experience to be a part of and can be a great way to start and develop our future in this college"



Alumni & Development News

ALUMNI CONTRIBUTORS & ALUMNI BRIEFS

Shri. K. M. K. Sharma, working as an Executive Engineer in Irrigation Department Yethinahole Project Arasikere who is our proud alumnus generously donated to organize all felicitation programs for many years. He instituted a cash prize of Rs. 10,000/to the First Year UG Topper of CED.

A few years backs, after receiving the cash prize the students were very happy and expressed that the cash prize was a big relief in the backdrop of their poverty. They also requested further help. This was brought to the notice of Shri. K. M. K. Sharma and it is very heartening to know that he immediately responded to help the students' with Rs. 15,000/- each for subsequent three years. We are very proud of Shri. K. M. K. Sharma for his kind help which has opened the doors of fortune to our students.



Shri. K. M. K. Sharma Executive Engineer, Irrigation Department Batch of 1984 (B.E.)

Further, Shri. K. M. K. Sharma has also instituted a cash prize of Rs. 25,000/- to the Topper of CED in the name of his parents **Shri. K. V. Marulaiah & Smt. Nanjamma**. The meritorious students for the year 2021 is reported in the Students Achievements section. Recently he also extended his support to help students overcome their medical issues including kidney transplantation in the month of April 2021.



Shri. Murali TV
Additional Director
Department of Town &
Country Planning,
Bengaluru
Batch of 1995 (B.E.)

"MCE my alma mater, an abode nurturing young students in engineering L technology for more than 60 years still stands rock-solid in imparting quality education brings reminiscences within me in abundance. Remembering my Alma Mater gives me immense pleasure L happiness. MCE has the most important role to play in shaping one's personality. I can very humbly say, I am what I am because of my training at MCE. My heart is filled with immense gratitude-coupled with nostalgia L longing as to how those wonderful years flew by.

I was fortunate to be taught by some amazing Professors & Lecturers in CED. These Professors & lecturers very effortlessly yet meticulously taught us & crafted us to contribute to the society in our own ways. These Professors & lecturers allowed us to excel in whatever skill set we had, helped us to overcome fears and shortcomings. I understand, CED continues to do great work which it has been doing all these years tirelessly with the help of dedicated teaching faculty by adapting latest innovations & technology available in the Civil Engineering field which help students in preparing themselves for the professional challenges that they are going to face in future."

Alumni & Development News

PROMINENT ALUMNI OF CED



Dr. Karisiddappa, Ph.D. Vice Chancellor Visvesvaraya Technological University Batch of 1981 (B.E.)



Shri. H. G. Hemanth Kumar Assistant Executive Engineer (Retired) Government of Karnataka Batch of 1981 (B.E.)



Shri. Subbayya Bhandary, Dy. General Manager Tata Advanced Systems Ltd Batch of 1984 (B.E.)



Shri. S. L. Rajanna Additional Director Batch of 1988 (B.E.)



Dr. Basavaraj Manu, Associate Professor Town Planning Department, Bengaluru National Institute of Technology Surathkal Batch of 1996 (B.E.)



Shri. Keshava Bharadvaj Dy GM QS Innotech Engineering Consultant Pvt Ltd Batch of 2004 (B.E.)



Shri. Sanjay B. K., **Deputy Director** Revenue Dept., GoK Batch of 2009 (B.E.)



Shri. Prathap K. M. Dy. General Manager Zilla Panchyat - MGNERGA Batch of 2013 (B.E.)



Shri. Gowtham D. R. Assistant Professor Adichunchanagiri Institute of Technology Batch of 2015 (M.Tech. - CADS)





Malnad College of Engineering - A Brief History



Malnad College of Engineering (MCE) was established in the year 1960, during the second 5 year plan, as a joint venture of Government of India, Government of Karnataka, and the Malnad Technical Education Society[®], Hassan. MCE Hassan is now a reputed Engineering college in the country. The college has earned "ISTE Award" as one of the Best Engineering Colleges in the Country, in the year 2007. MCE located in the midway between Bengaluru (180 kms) and Mangaluru (170 kms) on NH-75. The College is built on a 41.28 acres campus and has all the facilities expected in a modern Engineering College. MCE offers 7 B.E., 4 M.Tech, M.Sc.(Engg.) by Research, and Ph.D. programmes, with about 4000 students on rolls. MCE is one amongst 49 Engineering Colleges selected from all over India for the establishment of AICTE IDEA Lab.

The Late Honorable Shree Chandappa Patil, Indian administrative Service (IAS). was the brain behind the evolution of MCE Hassan. He was the Hassan District Commissioner then. The Coffee Planters around and other local farmers and many others contributed financially to make this college a reality. Mr Chandappa Patil, was a gentleman of humble origins. He was the first graduate from his village and had a vision to bring education to the masses in Karnataka, however remote the place was. This was his first venture. He worked very closely with the Late and Ex Vice President of India, Mr Jatti to open more educational institutions. The college was affiliated to the University of Mysore but changed affiliation to Visvesvaraya Technological University, Belagavi. In 2007 the college became autonomous.



