

ANNUAL  
NEWSLETTER  
2020 - 2021

# CIVIL TIMES

## VISION

Emerge as an excellent center for Civil Engineering education by building up professionally competent Civil Engineers.

## MISSION

Develop professionally competent and socially committed Civil Engineers with ethical values, entrepreneurship, and leadership qualities. To impart quality education by implementing state-of-the-art teaching-learning methods to enrich the academic competency, credibility and integrity of the students. Inspire and create interest towards learning the subjects, and train diversified students to achieve academic excellence. Our code of conduct-Safety first, work for quality, treat others kindly and earn respect.



## CETA

Civil Engineering Technical Association (CETA) was established in 2012 to provide a platform to enhance and encourage technical skills and non technical activities of Civil Engineering students. With excellent faculty to guide, CETA prepares its members to be tomorrow's leaders in transforming the society by providing best solutions in planning, designing and construction.

## STAFF EDITOR:

**Ms Shahana Sheril P. T.**  
ASSISTANT PROFESSOR

## STUDENT EDITORS:

**MINHAJ MUHAMMED  
& RIBINSHA**  
4 TH YEAR, CIVIL



MEA ENGINEERING COLLEGE  
PERINTHALMANNA

DEPARTMENT OF CIVIL ENGINEERING





# DEPARTMENT OF

# CIVIL ENGINEERING

The Department of Civil Engineering started in the year 2011 and the first batch of students passed out in the year 2015. The Department offers undergraduate courses in Civil Engineering. In all, there are around 423 students in undergraduate programme. It has faculty with expertise in diverse fields. Presently, the department has 27 qualified sincere and dedicated teaching faculty members. The Department has established a state of the art experimental facilities and laboratories in different fields of Civil Engineering. The Department strongly believes in continuous efforts to strive for excellence by exploring new frontiers of knowledge, imparting the latest technical knowledge to the students and conducting high quality research.

### **Programme Educational Objectives (PEO)**

- Be employed in industry, government, or entrepreneurial endeavors to demonstrate professional advancement through significant technical achievements and expanded leadership responsibility.
- Demonstrate the ability to work effectively as a team member and/or leader in an ever-changing professional environment.
- Progress through certificate programs, advanced degree, and research in Civil engineering and other professionally related fields.





“Scientists  
dream about  
doing great  
things,  
Engineers do  
them”



# CONSTRUO'19

## ANNUAL DAY PROGRAMME OF CETA

The annual day programme of Civil Engineering Technical Association – CETA for the academic year 2018/19 , was conducted on 13th November 2019 at college auditorium. Programme was inaugurated by Dr. P R Sreemahadevan Pillai, Dean , University of Calicut & Director of Ahalia Group of Institutions in India . There were two technical sessions in the programme. The morning session was handled by the chief guest Dr. P R Sreemahadevan Pillai on “ Civil Engineering – Past, Present & Future “ . The second session was in the afternoon , by Mr. Dinesh K.S. , Business Support , Cadd centre training services , Chennai on the topic “ Disruptive Civil Engineering”.

Welcome speech was by Mr. Anees K , Assistant Professor , CETA staff in charge. Dr Hema Nalini A V delivered the presidential address and Dr P R Sreemahadevan Pillai did the Inauguration with his inaugural speech. This was followed with felicitations by Dr. G Ramesh, Principal,

MEAEAC., Dr VH Abdul Salam, Director., Mr. Haneesh Babu KT, Vice principal., Mr. Sreeram S, DEAN of academics., Mr. Sadik Ali A, HOD, Dept of Mathematics., Dr. Abdul Majeed K K, HOD, Dept of Electronics & Communication Engineering. Department news letter “CIVIL TIMES” was also released in the function by the chief guest. The rank holders of Calicut university , International level tech quiz winners were appreciated in the programme. Ms. Salma Mol , staff member of civil department was also appreciated for invention of flood alarm system. Student president of CETA delivered the vote of thanks for the inaugural session.

First session on past present and future of civil engineering was handled by chief guest Dr. P.R. Sreemahadevan Pillai. In the afternoon session Mr. Dinesh K.S. interacted with the students regarding the advanced softwares in the civil engineering field. The program was successfully coordinated by effective planning and organizing of CETA.

## EXTENDED LECTURE SERIES

### 1 Introduction to NPTEL Online Courses



Mr Ramkumar P.N, Assistant Professor, Department of Mechanical Engineering, MEA Engineering College, Perinthalmanna, gave a brief description on Massive open online Courses (MOOC) including NPTEL Courses which controlled by various IITs in India. He explained the importance of MOOC courses and its relevance in today's professional education. He also specified the Registration Process, its time period and about the Exam for these online courses.

### 2 Sustainable Construction



Mr. Ar Vishnu V.S, Principal of Architect, Padav design Studio, gave an Introduction to the sustainable construction, and different materials for the sustainable construction. He explained the Methods of construction to be used for sustainable construction over our state, and gave a detailed talk on the recycling of different products that we are using in our day to day life and the importance of reducing the waste generated due to the careless behaviour of human being.

### 3 Why OBE?



Dr Abdul Gafur M. Dean (Research), Professor and Head, Department of Computer Science and Engineering, MEA Engineering College, Perinthalmanna, handled a session on What is outcome-based education, its Importance in current professional education system. He explained what are the outcomes an engineering graduates should attain after completing his Engineering degree and how outcome-based education helps to achieve it.

### 4 Scientific Paper Writing

Dr Mubarak M. Associate Professor and Head, Department of Mechanical Engineering, MEA Engineering College, Perinthalmanna, explained the need of publishing and its importance in research activities. He also gives an idea about what to publish and what not to be published. Dr Mubarak clarified doubts regarding how to select a topic, how to prepare abstract, how to prepare entire paper. He conveyed idea about the different platform to publish and their quality index.

### 5 Bloom's Taxonomy



Mr Noushad K. Assistant Professor, Department of Civil Engineering, MEA Engineering College, Perinthalmanna, gave a brief description on Introduction to Bloom's Taxonomy learning objectives and its importance in achieving educational outcomes. He advanced the session by stating the psychology of students and the methods or activities that every student should practice in their learning period to achieve all these learning objectives.



## PROGRAMS BY CETA

### 3 Day Online Workshop

MEA engineering college, Perinthalmanna, in collaborated with Econstruct Design & Build Pvt Ltd., organized a 3 Day Online Workshop from July 12 to July 14, 2020. The workshop was based on the topics, Structural Design Engineering: Case Study on G + 100 story building (Deep foundation with 6 basements), how to do Project Management with BIM Technology: Case Study on G+40 on 3 consecutive days. And the day winded up by the Interactive session on career-related queries for making a successful career in Civil Industry and Eco-System of a Civil Engineer.

### Bloom's Teaching Strategies

Workshop on "Bloom's Teaching Strategies" organized by Department of Civil Engineering, MEA Engineering College, on 18 December 2019. The core objectives were Understanding the different teaching strategies, Bloom's Taxonomy and understanding flipped classroom.

## Webinar Series

Department of Civil Engineering organized a **Webinar Series** handled by Experts from Industry and the best minds from academic. Through this series of webinars, we are intending to enhance the knowledge of students and prepare them for the industry after their graduation. The event has enabled participants to learn about new techniques in Civil Engineering and share the required skills to make themselves effective facilitator.

The program was organized by Mr. Anees K, Mr. Najeeb M, Mr. Abdul Raof K. C, Ms. K. A. Ambili & Mrs. Nusfa Karuvattil (Assistant Professors, MEA Engineering College)

- A session on "CAREER AFTER B. TECH IN CIVIL ENGINEERING" was handled by Dr. P. R. Sreemahadevan Pillai, Dean of Calicut University.
- A session on "INTRODUCTION TO BUILDING DESIGN USING E-TABS" was handled by Mr. Muhammed Rafeek, Assistant Professor, Al Ameen Engineering College.
- A session on "POST TENSIONING CHANGING WAYS OF CONSTRUCTION IN KERALA" was handled by Mr. Jersion Scariah James, Assistant Professor, Amal Jyothi College of Engineering.

## 7 Day FDP on NBA Accreditation Process

Online Faculty development program on "NBA Accreditation Process" organized by Department of Civil Engineering, MEA Engineering College conducted from 20th May to 28th May 2020. The programme was conducted through the online platform of Zoom Video Communications. The theme of the Faculty development Programme was NBA accreditation Process and a brief knowledge on various criteria.

### An insight into the design of metro tunnels

Department of Civil engineering organized a webinar on the topic – "An insight into the design of metro tunnels" on 16th May 2020. The session was handled by Mr. Jishnu R.B, Deputy General Manager, Metro Department, Intercontinental Consultants and Technocrats India Pvt Ltd, New Delhi. There were around 100 participants from 20 different colleges and from 2 industries.





# Webinar Series

Presented by CE Alumni Association

A webinar series was conducted on 28th and 29 th of July and 7 th of August 2020 by **CE Alumni Association** through online platform. All speakers are Alumni of Civil Engineering department and are having renowned experience in various fields of Civil Engineering. It was extremely beneficial for all students and gave a link between theory knowledge and field experience. Participant list includes mainly final year and pre final year students, which also includes students from other colleges.

On day 1, Mr. Anoop K, Alumni of 2011-2015 batch currently working as Chief Managing Director, KM Consortium, Builders and Developers interacted with the students and gave them a talk on “Challenges Faced by the Entrepreneur in the Construction Sector”. It was really a different experience for all the participants.

On day 2, Ms. Haseeba K M, Alumni of 2011-2015 batch currently working as Accredited Engineer, MGNREGS (Mahathma Gandhi National Rural Employment Guarantee Scheme) gave a very detailed and interesting talk on “Opportunities in MGNREGS For Civil Engineers”. It was really helpful for all the participants since this field was unfamiliar to many of them.

On day 3, Mr. Muhammed Thaj C, Alumni of 2011-2015 batch currently working as Quantity survey Engineer, Orientals Enterprises, Doha, Qatar offered a very informative talk on “Quantity Survey Engineering: The Untold”. He gave an enlightening lecture on various aspects of quantity surveying.



**WEBINAR SERIES 2020** PRESENTED BY CE ALUMNI ASSOCIATION

**DAY 1**

**ANOOP K.**  
CHIEF MANAGING DIRECTOR  
KM CONSORTIUM, BUILDERS AND DEVELOPERS.  
ME IN STRUCTURAL ENGINEERING  
ALUMNI - 2011-15 BATCH

**TOPIC: CHALLENGES FACED BY THE ENTREPRENEUR IN THE CONSTRUCTION SECTOR**

DATE: 28-07-2020 TIME: 11-00 AM  
PLATFORM: GOOGLE MEET

**WEBINAR SERIES 2020** PRESENTED BY CE ALUMNI ASSOCIATION

**DAY 2**

**HASEEBA K M**  
ACCREDITED ENGINEER  
MAHATHMA GANDHI NATIONAL RURAL EMPLOYMENT GUARANTEE SCHEME (MGNREGS)  
POTHUKALLU  
ALUMNI - 2011-15 BATCH

**TOPIC: OPPORTUNITIES IN MGNREGS FOR CIVIL ENGINEERS**

DATE: 29-07-2020 TIME: 11-30 AM  
PLATFORM: GOOGLE MEET

Presented By **WEBINAR SERIES**  
CE ALUMNI ASSOCIATION

**DAY 3**

**MUHAMMED THAJ C**  
Quantity survey engineer, Orientals enterprises, Doha, Qatar  
MMUP (Ministry of Municipality and Urban planning) Accredited Engineer

**Topic: QUANTITY SURVEY ENGINEERING: THE UNTOLD**

Platform: GOOGLE MEET



## Webinar On “Adaptive Traffic Control Systems”

The 35<sup>th</sup> Engineers’ Day Celebration program was held on 15th September 2020. The program was organized by preconference webinar on “Adaptive Traffic Control Systems”. The session was well organized and handled throughout by Mrs. Thasnim T and Mrs. Nithya S, Webinar Coordinators. Due to the pandemic crisis, the session was held in an online platform at sharp 4pm. Session was held by Dr. Suresh P.S (Associated Professor, Department of Civil Engineering, MEA Engineering College) which covered all the information about the traffic control systems. He also shared tips to be focused for those who aspire, and his ideas were well explained through best examples from in and around the world. Webinar shaped a unique way in a catchy mode of interaction. The session was concluded with an interactive session with delegates by solving their doubts; it wined up by 5pm and won appreciation from the registered members.

## STUDENTS’ ACHIEVEMENTS

- ❖ Mohammed Navas C.P, Hiba Nourin V.P, Amina Minnath M, FathimaNasrin M co-authored the paper “Assessment of Municipal Solid Waste Management System of Perinthalmanna Municipality” which has been published in **RACER’20**, August 2020
- ❖ Ahamed Zahal , Fathima Femi P.K, Fathima Nihala P.K , Mohammed Safar co-authored the paper titled “Study on Behaviour of Fibre Reinforced Concrete using Binding Wire” which has been published in **RACER’20**, August 2020
- ❖ Fathimath Shimna Sherin, Dilsha Sherin, Anshaal Rahman, Rinoos co-authored the paper “Partial Replacement of Fine Aggregate by Pulverized Plastic in Cement Concrete” which has been published in **RACER’20**, August 2020
- ❖ Sahir Sanoob T, Nihala Sherin K T, Sanjeed Roshan P, Thesni V co-authored the paper “Cost Comparative Study of Conventional and Cost-effective Construction Materials” which has been published in **RACER’20**, August 2020
- ❖ Fadi Anfas P, Shibili Sabir KK, Ubais P co-authored the paper titled “Sisal Fibre Reinforced Gypsum Boards as Partition Walls” which has been published in **RACER’20**, August 2020
- ❖ Ninu Shahla K, Nisthar Ali P. T, Rishana V, Sahil Kamrudheen co-authored the paper “Study on Performance of Polystyrene Building Blocks” which has been published in **RACER’20**, August 2020
- ❖ Ashwa Sana, Fathimath Shafna V.K, Arshid A.V, Arshid A.V co-authored the paper titled “Waste Foundry Sand and Rubber Tyre as Substitutes for Aggregates in Concrete” which has been published in **RACER’20**, August 2020
- ❖ Ayisha Nourin Nk, Nashidha P, Deepthi C, Mubashira K co-authored the paper “Comparative Study on Sand Bed Reinforced with Flex Cell and Pet Bottle Cell” which has been published in **RACER’20**, August 2020
- ❖ Mohammed Anas N, Athima Afnan KV, Farsana Jabin T, Jabir K co-authored the paper “Soil Stabilization using Lime and Sugarcane Bagasse Ash” which has been published in **RACER’20**, August 2020
- ❖ Hafseena KP, Lubna Sherin K, Fazalu Rahman, Mohammed Zaheen Bin Sayed Mohammed co-authored the paper titled “Soil Stabilization using Jute Fibre and Bamboo Leaf Ash” which has been published in **RACER’20**, August 2020







## STUDENTS' ACHIEVEMENTS



Mr. Unaise KT was elected as chief program officer of United Nations academic impact of MEA chapter, which is held in the year 2019.



Ms. Ramsheena VK and Mr. Mohammed Ameen k P secured 2<sup>nd</sup> and 3<sup>rd</sup> position in **Interzone Athletic Meet**, organized by APJ Abdul Kalam University at Thiruvananthapuram, held up the year 11-2019 and 2-2020.



Mr. Mohammed Jabir KK was winner of **DYTHI'20** football competition, held at GEC Trissur in year Feb 2020.



Mr. Minhaj Muhammed won 2<sup>nd</sup> place in **Malayalam Story Writing Competition**, at NSS CELL UNIT: 541, College of Engineering Pathanapuram, held on May2020.



Ms. Ashwa Sana was first runner up of **IEEE STEP 2020**, which is organized by IEEE KERALA SECTION, 7 days online webinar held at Zoom app in the year 2020 (7days from 25th to 31st May).



Mr. Mehthab PC has been appointed as President for **CETA Organization**, held in the year August 2019.



Mr. Shamsudheen. K.P was selected as **Assistant Marketing Officer** of MEAIEDC, held in the year 2019-20.

- ❖ Ms. Deepthi. C was awarded 2<sup>nd</sup> position for **Short Put Girls** at MEA Engineering College, held in Feb12, 2020.
- ❖ Mr. Muhsin KP won 1<sup>st</sup> prize for **100m sprint**, at MEA Engineering College, held in the year Feb2020.
- ❖ Mr. Shibili Sabir KK won 1<sup>st</sup> and 3<sup>rd</sup> prize for Javelin through & Discuss throw, at MEA Engineering College, Perinthalmanna, FEBRUARY 2020
- ❖ Mr. Mohammed Jabir KK was awarded 1st prize in **PANENKA'20**, MEA Engineering College, held in Feb,2020
- ❖ Ms. Lintha Fathima secured 1<sup>st</sup> position in 4x100 relay and 2<sup>nd</sup> position in 1000m walking, 600m race, 400m race ,4x400m relay, held at MEA Engineering College, 12<sup>th</sup> and 13<sup>th</sup> February 2019
- ❖ Mr. Mohammed Ameen KP granted 1<sup>st</sup> prize in 1500m race, 4x400m relay and 3<sup>rd</sup> prize in 3000m race in **MECASM 20**, MEA Engineering College, Perinthalmanna, February 2020
- ❖ Mr. Abdul Wahid PP won 1<sup>st</sup> and 3<sup>rd</sup> prize for shotput & javelin in **MECASM 20**, organized by MEA Engineering College, Perinthalmanna, February 2020
- ❖ Ms. Lintha Fathima was elected as **IEDC EXECOM**, at IEDC cell of MEA Engineering College Perinthalmanna, 2019





# STAFF ACHIEVEMENTS



**Mr Najeeb M**

Has authored the papers titled,

- "Study on Performance of Polystyrene Concrete Building Blocks" in International Journal of Innovative Research in Science, Engineering and Technology (IJIRSET), June 2020
- "Cost Comparative Study of Conventional and Cost-Effective Construction Materials" in International Journal of Innovative Research in Science, Engineering and Technology (IRSET), June 2020
- "Study on Performance of Polystyrene Building Blocks" in the proceedings of National Conference on Recent Advancements in Civil Engineering Research (RACER 2020), August 2020
- "Cost Comparative Study of Conventional and Cost-Effective Construction Materials" in the proceedings of National Conference on Recent Advancements in Civil Engineering Research (RACER 2020), August 2020
- Najeeb M Assistant Professor, MEA Engineering College co-authored the papers of topic

"Cost Comparative Study of Conventional and Cost-Effective Construction Materials", "Study on Performance of Polystyrene Building Blocks" which has been published in **RACER'20**, August 2020



**Mrs Jeeja Menon**

Mrs. Jeeja Menon presented a paper titled "Evaluation of Eco Cement as a Stabilizer of Clayey Sand" in IRC 2020, XIV. International Conference on Eco-Friendly Construction and Green Building Technologies, held at New York, June 4-5, 2020.

- Jeeja Menon Assistant Professor, MEA Engineering College co-authored the paper "Soil Stabilization using Lime and Sugarcane Bagasse Ash" which has been published in **RACER'20**, August 2020



**Mrs Rajisha C**

Mrs. Rajisha C published a paper titled "Flood Risk Mapping of Korapuzha River Basin using GIS" in IJIRSET, Volume 9, Issue 7, in July 2020, which is organized in New York.

- Mrs. Shahana Sheril Assistant Professor, MEA Engineering College co-authored the paper "Waste Foundry Sand and Rubber Tyre as Substitutes for Aggregates in Concrete" which has been published in **RACER'20**, August 2020
- Mr. Noushad K Assistant Professor, MEA Engineering College co-authored the paper "Comparative Study on Sand Bed Reinforced with Flex Cell and Pet Bottle Cell" which has been published in **RACER'20**, August 2020
- Dr. Hema Nalini A.V Professor, MEA Engineering College co-authored the paper "Assessment of Municipal Solid Waste Management System of Perinthalmanna Municipality" which has been published in **RACER'20**, August 2020
- Mr. Jazeel Shah P Assistant Professor, MEA Engineering College co-authored the paper titled "Study on Behavior of Fibre Reinforced Concrete using Binding Wire" which has been published in **RACER'20**, August 2020
- Mrs. Yasmin N Associate Professor, MEA Engineering College co-authored the paper "Sisal Fibre Reinforced Gypsum Boards as Partition Walls" which has been published in **RACER'20**, August 2020
- Mrs. Nusfa Karuvattil Assistant Professor, MEA Engineering College co-authored the papers "Partial Replacement of Fine Aggregate by Pulverized Plastic in Cement Concrete", "Soil Stabilization using Jute Fibre and Bamboo Leaf Ash" which has been published in **RACER'20**, August 2020