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## Student's Chapters



**Indian Concrete Institute**

&



**India Chapter**  
of American Concrete Institute

# CONCRETE NEWS

The News Bulletin from Nandha Engineering College

## Department of Civil Engineering

*Shaping Minds...Reshaping India...*

Vol: 13 June '20 - May '21



**Dr N RENGARAJAN**  
Principal - NEC

The truly educated individuals are capable of doing new things: they have the ability to generate ideas & turn them into the reality. Today's values based education is an approach to prepare them for the practice at the professional level & sure the Department of Civil Engineering offers the value in all aspect. And sure this would be in high aspiration to showcase their work. I wish all them the very best.

Welcome to the thirteenth issue of Concrete News, which highlights the achievements of the Civil Engineering Department at Nandha Engineering College. Academic Year 2020-21 was a year of great achievements and carried on the momentous journey of the department Vision. As always, this academic year also saw our students bringing laurels to the institute by winning prestigious awards and prizes in various competitions. Once you read it, I'm sure you'll find them more than deserving of such an honor for the achievers.



**Dr E K MOHANRAJ**  
Dean - Civil Engg.

## Department Vision

The Civil Engineering Department is committed to rendering our students with the latest technology and modern methods to acquire knowledge and skills in all sectors to make them nationally and globally competent Civil Engineers.

## Department Mission

Civil Engineering Department is committed

- To make highly competent and technologically capable professionals by augmenting their knowledge through interactions and camps.
- To impart education to transfer the knowledge and skills for challenging applications such as computer based analysis, design using relevant standards, execution and maintenance of life line Civil Engineering projects.
- To imbibe the leadership quality, professional ethics, environmental consciousness and social responsibilities to serve the society through co-curricular and extracurricular activities.



**INTERNATIONAL WEBINAR**

ICI - NEC organized International Webinar on “Engineering as a Challenging Career in India and Abroad” by Dr. S. Neelamani, Senior Research Scientist, Kuwait Institute for Scientific Research, Kuwait on 21<sup>st</sup> June 2020.

**INTERNATIONAL WEBINAR**

ICI-NEC International Webinar on “Opportunities for Civil Engineering in India and Abroad” by Er. Thiagu Kandasamy, Contracts Engineer, Wade Adams, Dubai, UAE on 26<sup>th</sup> June 2020.

**WORKSHOP**

ICI - NEC organized the One Day Workshop (Virtual Mode) on “Analysis and Design Solutions for Sky Scraper” by Er. R. Udhayashankar, Thirumoorthi Constructions, Bhavani on 18<sup>th</sup> Dec 2020.

**WORKSHOP**

Mr. P. B. Narendiran, Mrs. K. Selvi, Mr. M. Yeswanth, APs organize the One Day Workshop on “Futuristic of Civil Engineering” by Er. V. Yuvaraj, Yuva Constructions, Tiruppur on 27<sup>th</sup> Jan 2021.

**SKILL UPGRADATION - FACULTY MEMBERS**

- Dr. E. K. Mohanraj, Dr. E. K. Vellingiriraj and Dr V. Manimekalai have submitted Online Faculty Development Programme Proposal on “Entrepreneurship” at DST, New Delhi for an amount of Rs. 1.0 Lakh.
- Mr. K. C. Denesh, AP has completed three months Summer Research Training Programme @ Structural Engineering Research Centre (SERC) organized by Council of Scientific and Industrial Research and North East Institute of Science & Technology (CSIR-NEIST), Jorhat, Assam from June to Aug 2020.





- Mr. S. Gnana Venkatesh, AP has selected for PhD Programme (Jan 2021 Session) by Anna University, Chennai on 12<sup>th</sup> Nov 2020.
- Dr. E. K. Mohanraj, Mrs. K. Selvi and Mr. K. L. Ravisankar have attended as Jury in AICTE Sponsored “International Conference on Recent Innovations in Engineering, Technology & Management” (ICRIETM 2020) during 4<sup>th</sup> & 5<sup>th</sup> Dec 2020.
- Dr E. K. Mohanraj attended webinar on “Durability - How do we measure it?” organized by Indian Chapter of American Concrete Institute (IC-ACI) on 29<sup>th</sup> Jan 2021.
- Dr. E. K. Mohanraj, Mrs. K. Selvi and Mr. P. B. Narendiran have attended Training Programme on “Curriculum Development and Outcome Based Education (Phase - I)” on 17<sup>th</sup> Feb 2021.

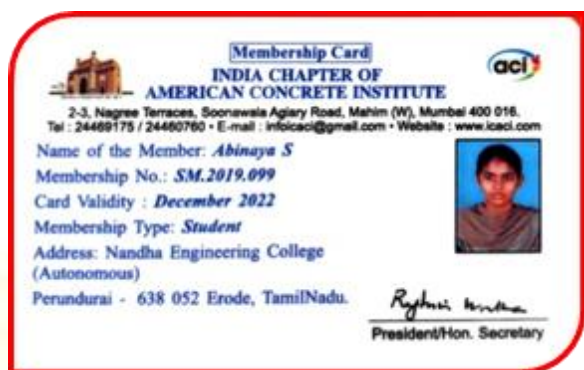
- Dr. E. K. Mohanraj, Mrs. K. Selvi and Mr. P. B. Narendiran, APs has attended Training Programme on “Outcome Based Curriculum Development (Phase - II)” by Dr. T. Suresh Kumar, BIT, Sathyamangalam on 10<sup>th</sup> March 2021.
- Dr. E. K. Mohanraj and Mr. S. Gnana Venkatesh have attended Indian Concrete Institute (ICI) Award Ceremony through Online Mode on 19<sup>th</sup> March 2021.
- Dr. E. K. Mohanraj, Mrs. K. Selvi and Mr. P. B. Narendiran applied funding proposal to AICTE under MODROBS Scheme worth of Rs. 10 Lakhs on 07<sup>th</sup> Jan 2021.
- Our Faculty Members & Students has attended the various Online Webinar, FDP, STTP etc., Organized by Leading Organizations and Professional Societies.





**SKILL UPGRADATION / EXTRA CURRICULAR / CO-CURRICULAR ACTIVITIES - STUDENTS**

- 21 Nos. of our students has received Indian Chapter of **American Concrete Institute** Students Membership on 02<sup>nd</sup> July 2020.

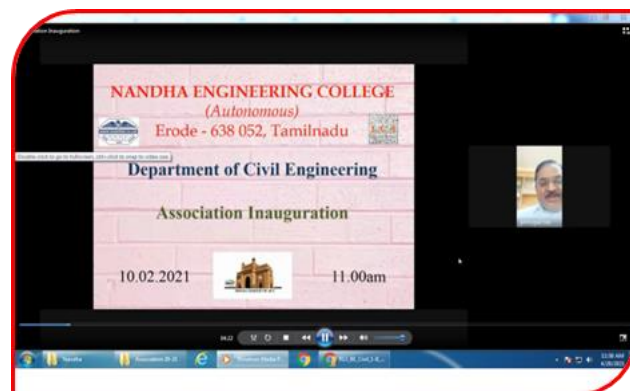


- N. Raguram (17CE036), M. Manikandan (17CE025) and G. Sathish Kumar (17CE042) has won the **First Prize** in *All India Students Concrete Cube Competition* organized by IC-ACI and received Cash Prize of Rs. 5000.



- 06 Batches from II Year students has submitted 'TOYCATHON' 2021 (Games based concept on National Heroes) Culture Contest on 27<sup>th</sup> Jan 2021.

- S. Abinaya (18CE001), D. Anbarasu (18CE005) and M. Sethu (18CE018) has won the **Third Prize** in *All India Students Concrete Cube Competition* organized by IC-American Concrete Institute and received Cash Prize of Rs. 2000.
- Inauguration of Civil Engineering Association by Er. R. Udhyasankar, Freelance, BTR Construction, Bhavanisagar on 10<sup>th</sup> Feb 2021.



- P. Ragavendran, S. Salamon Raja and S. Nabinesh **Won** the *Anna University Kabadi Zonal Match* on 26<sup>th</sup> March 2021.

**PLACEMENT DRIVE @ NEC**

- J. Kaviyarasan (17CEL04), IV yr student placed in KR & Co., Erode with an salary package of Rs.12,000 per month at Mettur.
- S. Girivashan (17CE008), IV year student placed in Shree Construction, Erode on 19<sup>th</sup> Jan 2021.



**PALS**

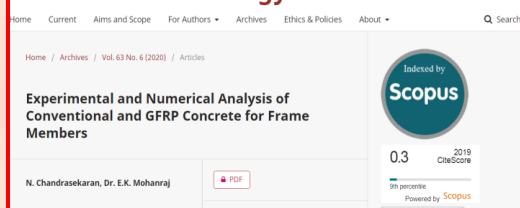
- Mr. K. C. Denesh, AP has attended the *Five Days Virtual Lab FDP* organized by *National Institute of Technology, Karnataka* and *PALS* from 24<sup>th</sup> to 28<sup>th</sup> Aug 2020.

**AWARDS / ACHIEVEMENTS**

- Dr. E. K. Mohanraj, Dean received *Certificate of Appreciation* for the instrumental role as SPOC for the *SWAYAM - NPTEL Local Chapter* for the period Jan - Dec 2020.



- Dr. E. K. Mohanraj, Dean has published a paper on *"Experimental and Numerical Analysis of Conventional and GFRP Concrete for Frame Members"* in the *Journal of Solid State Technology* (Indexed in Annexure I), Vol. 63, Issue 06, 2020, pp.19953-19970.

**Solid State Technology**

- Our Department Students Chapter activities published in *"Concrete International Magazine"* June 2020 issue by *American Concrete Institute, USA*.

**Nandha Engineering College Student Chapter – ACI Visits Plant**

The Nandha Engineering College Student Chapter – ACI in Perundurai, Erode, India, organized an industrial visit on the topic of concrete technology for civil engineering students. The trip to RPP Ready Mix Plant, Erode, took place on March 10, 2020. E.K. Mohanraj, Professor and Student Chapter Mentor, organized the site visit technical session.

The attendees learned about ready mixed concrete production and its batching process. Technical experts at RPP discussed admixture use and mixture design formulation to meet concrete specifications. Students experienced real-time production of different grades of ready mixed concrete, including material handling, batching processes, and initial concrete tests. The industrial visit was valuable in that it enhanced the students' understanding of the theoretical topics that comprise concrete technology.



Members of the Nandha Engineering College Student Chapter – ACI visited the RPP Ready Mix Plant in Erode, India

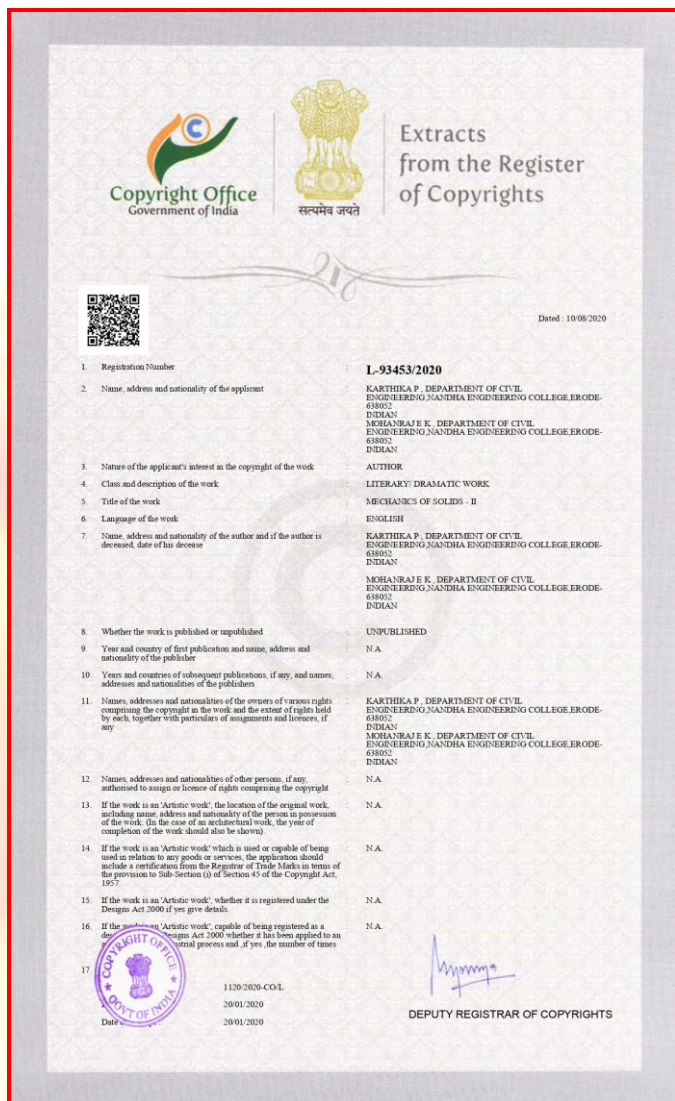
16 JUNE 2020 | Ci | www.concreteinternational.com







- Dr. E. K. Mohanraj and Mrs. P. Karthika have received *Copyrights* for *Mechanics of Solids-II* by Copyright office, Govt. of India on 10<sup>th</sup> Aug 2020.

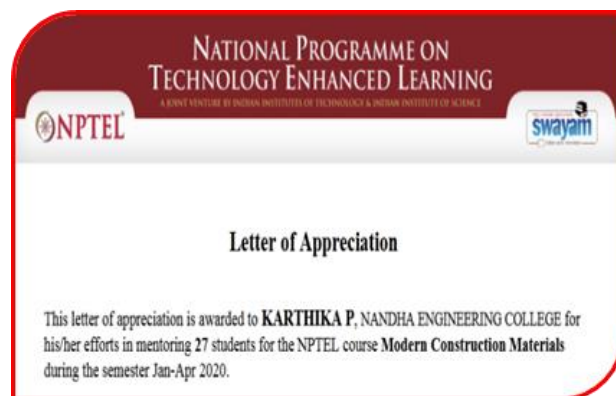


- Dr. E. K. Mohanraj, Dean has attended as Chair Person in Virtual *International Conference* on “Innovative Solutions & Challenges in Civil Engg.” organized by

Saveetha Engineering College (Autonomous), Chennai on 21<sup>st</sup> Aug 2020.



- Mrs. P. Karthika, AP has received *Appreciation Letter* from NPTEL for mentoring 27 students for the Course Modern Construction Materials during Jan-Apr 2020 session.

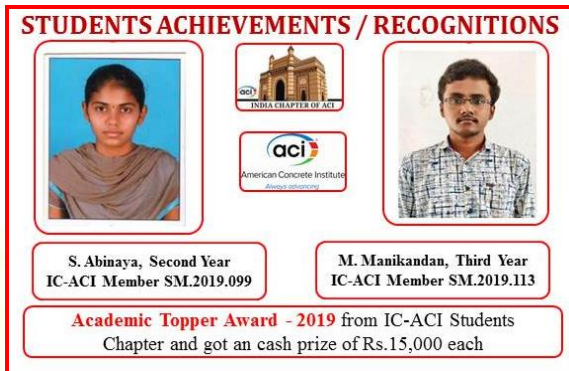


- M. Manikandan (17CE025) from Final Year has secured *Academic Topper Award* with Cash Prize of Rs. 15,000 by American Concrete Institute (IC-ACI) Students Chapter on 25<sup>th</sup> Aug 2020.





- S. Abinaya (18CE001) from Third Year has secured **Academic Topper Award** with **Cash Prize of Rs. 15,000** by American Concrete Institute (IC-ACI) Students Chapter on 25<sup>th</sup> Aug 2020.

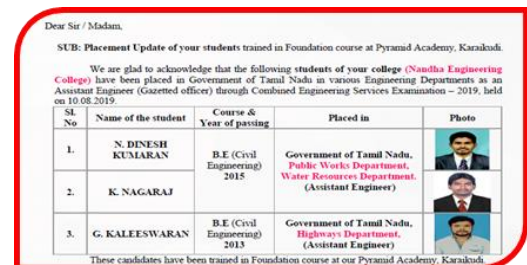


- S. Abinaya (18CE001) has won the **Second Prize** in All India Level Technical *Essay Writing Competition* with **Cash Prize of Rs. 3000** organized by American Concrete Institute (IC-ACI) Students Chapter on 25<sup>th</sup> Aug 2020.
- Our Institute has selected as **Outstanding University Award 2020** from *American Concrete Institute* on 19<sup>th</sup> Feb 2021.



## ALUMNI CORNER

- Our Alumni S. Manikandasamy (2015-19) has selected @ Central Manufacturing Technology Institute (CMTI), Bengaluru.
- Our Alumni N. Dinesh Kumar, K. Nagaraj and G. Kaleeswaran has selected as Assistant Engineer in Water Resources Department and Highways Department at PWD, Tamilnadu.



- Our Alumni Amit Kumar Suman (2014-18) has selected for doing PhD @ National Institute of Technology, Silchar, ASSAM on 12<sup>th</sup> Feb 2021.



- Our Alumni P. Thamaraiselvan (2012-16), Deputy Manager, Tata Projects Ltd, Mumbai on 19<sup>th</sup> May 2021 presented an webinar on "Career Guidance in Civil Engineering".





# Nandha Engineering College

*(An Autonomous Institution Affiliated to Anna University, Chennai & Approved by AICTE, New Delhi)*

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