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Indian Concrete Institute
Student's Chapter

CONCRETE NEWS

The News Bulletin from Nandha Engineering College

Department of Civil Engineering

Shaping Minds...Reshaping India...

Vol: 6 | Dec 2015 - May 2016



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 of them the very best.

Welcome to the sixth issue of Concrete News, which highlights the achievements of the Civil Engineering Department at Nandha Engineering College. Even Semester 2015-16 was a semester of great achievements and carried on the momentous journey of the department's Vision. As always, this semester 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.

Vision

- To make highly competent and technologically capable professionals by augmenting their knowledge through interaction and comps.
- To impart education to transfer the knowledge and skills for challenging application 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.

Mission

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

INTRA DEPARTMENT MEET

The ICI-NEC has conducted Intra Department meet on 5th February 2016. Various events like CADD contest, Quiz, Just a Minute (JAM), Joint Crete & Treasure Hunt were conducted to the students which were very useful to develop and expose the talents. The guest distributed certificates and prizes to the winners of various competitions.



AWARNESS PROGRAMME ON HIGHER EDUCATION ACROSS THE WORLD

The ICI-NEC has arranged Elucidation on “Awareness Programme on Higher Education across the World” on 18th February 2016 by **Mr. Syed Osama, HR Consultant, WISA International Consulting, Mumbai.** He gave



detailed explanation on doing higher studies in abroad especially in CANADA & RUSSIA. He also briefly notified the procedure of getting jobs in those countries. He gave his ideas about the income by doing part time jobs while studying.

He compared the value of studying higher studies in our country with other countries. At last he clarified the student's doubts regarding higher studies in abroad. The students were much enchanted and show gratitude to Mr. Syed Osama for giving this valuable information.



INTER DEPARTMENT MEET

The ICI-NEC has conducted Inter Department Meet on 18th February 2016 by conducting Mr. & Ms. Engineer contest among various departments in the college campus. On that day various events were conducted and many students were participated in the preliminary round next to that Apps, Quiz was conducted to develop the aptitude skill among students, then the students were shortlisted for the next round that is speech on a topic, followed by group discussion and then HR round for making the students fit for interview.



Finally Mr. M. Vinoth Kumar of Final Year Mechanical Engineering has been selected as Mr. Engineer and Ms. B. Sanjega of Final Year Electronics & Instrumentation Engineering has been selected as Ms. Engineer. The students were much enchanted and show gratitude to our Civil Engineering Department for arranging this function.

NATIONAL LEVEL TECHNICAL SYMPOSIUM

The ICI-NEC has organized “A National Level Technical Symposium REICONS’16” on 18th March 2016 at the auditorium. The event was inaugurated by Chief Guest Mrs. A. Nithya, Director & Chief Financial Officer, RPP Infra Projects Limited, Erode. The Chief Guest was honoured with a shawl and memento by Thiru. S. Thirumoorthi, Secretary, NEIs. The

Chief Guest delivered a speech on “Modern Equipments and Techniques used in Civil Engineering and Importance of Civil Engineer in the Modern World”. Events like Paper Presentation, Poster Presentation, CADD Contest, Quiz Competition and Treasure Hunt were conducted. There was wide spread participation of



students from various Engineering Colleges across Tamilnadu and other states such as Karnataka and Kerala. Finally Dean Civil Engineering distributed certificates and prizes to winners of various competitions. The event concluded with rendering vote of thanks by Mr. K.Vishnu Prasad, Pre-final year student.

AN INTERACTIVE SESSIONS ON “GOOD CIVIL ENGINEER”

The ICI Student’s Chapter and Department of Civil Engineering, *Nandha Engineering College* and *Nandha College of Technology* have arranged an Interactive Session on “Good Civil Engineer” on 18th March 2016 (AN) by Mrs. A. Nithya, Direct & Chief Financial Officer, RPP Infra Projects Limited, Erode. She shared their vast experience in



the field of financial sector in Civil Engineering



work. And she gave a nice and interesting presentation for third year students how to face the interview during placement. She explained various topics that are important for placement after that she gave a brief introduction about basic concept of civil engineering such as foundation, surveying, marking, planning, estimation and cost analysis. She advised the student to concentrate on practical classes and last few minutes were spent for queries.



The session was very useful for all third year students. Students were immensely grateful for their Management, Principal, Dean and Faculty Members of Civil Engineering Department for arranging the interactive session.

LOCAL VISIT TO MEGA BUILDING MATERIAL EXPO CONFAIR 2016 @ COIMBATORE

Third Year and Second Year Civil Engineering students of Nandha Engineering College under the ICI-NEC had undergone Local Visit to CONFAIR - 2016, Mega Building Material Expo, Coimbatore on 22nd April 2016. In this expo



new construction materials like different types of wooden and steel doors, various types of excavation equipment's, fly ash bricks, various types of tiles, paints, windows, reinforcement bars, staircase models, bricks, clay jolly & wire cut bricks, lights, roofing sheets, ventilators, solar water heater, solar indoor & outdoor lighting systems, modern & readymade kitchen, sanitary fittings etc., have been displayed in the expo. As the students are new to this industry, the expo was very useful and gave ideas about innovative construction materials. The expo gave ideas about



how the materials are being made, with its properties and applications. The radical water proofing techniques for buildings and roofs, readymade stirrups were also displayed by the companies. The students were much delighted to thank FACEAT, FACECON and Coimbatore Civil Engineering Association for giving the opportunity to visit the expo.

ISRO SPONSORED NATIONAL SEMINAR

The ICI-NEC was conducted an **ISRO Sponsored National Seminar on GIS Solutions for Highway Traffic Management** on 30th April 2016. In this occasion



Shri. A.Arunachalam, Sr.Scientist, ISRO-HQ, Bangalore has inaugurated the seminar and he delivered a valuable speech in the topic of



“Remote Sensing and GIS Solution for Urban Planning and Infrastructure Development”. In this event he shared many points about

Geographical Information System (GIS) technologies in Highway Management and also



he explained about how the satellites are working to improve Global Positioning System (GPS). The second session was carried out by **Dr. K. Elangovan, PSG College of Technology, Coimbatore** in the topic of “Geographical Information System in



Transportation”. He explained about what are the various GIS software available in present year and how to use this software in practical



applications. The third session was carried out by **Dr. K. Gunasekeran, Anna University, Chennai** in the topic of Study on Role of Road Environment in Accident Occurrence using



GIS. He explained the various case studies about road accidents and how to avoid accidents by using this technology. The final session was handled by **Dr.E.K.Mohanraj, Dean-Civil Engineering** in the topic of Fundamentals of Remote Sensing and GIS. He



shared brief introduction about GIS technologies in Traffic Management.

MEMORANDUM OF UNDERSTANDING (MoU):

The ICI-NEC has signed MoU with **CADD School Private Ltd, Chennai** on 31st March 2016. Mr. S. R. Senthil Kumar, Business Development Manager and Dr. N. Rengarajan, Principal, NEC have signed MoU. The purpose of this MoU is to

conduct the value added courses to the Civil Engineering students at NEC campus. During this



course the students will gain knowledge in the software like Auto CAD, Archi CAD, STAAD.Pro, Primavera & MS Project based on their interest. This will help the students to get placement in the core company. We also arranged



a seminar on "Development of Placement Competency Skills" by Mr. R. Bharanidharan, Senior Engineer, CADD School Private Ltd, Chennai. In this session students got more information and detailed knowledge about civil engineering softwares and they shared more information about placement and job vacancies for software oriented areas. Finally the query time has left for students asked their doubts and information about the session.

R&D PROPOSALS

- **Dr. E. K. Mohanraj & N. R. Monika** has received an amount of **Rs. 40,000/-** towards Seminar Grant on “GIS Solutions for Highway Traffic Management” from **ISRO, Bangalore**.
- **Dr. E. K. Mohanraj & S.Sarankokila** has submitted a Seminar Grant on “**Application of GIS in Effective Traffic Management System**” at DST, New Delhi for an amount of **Rs.50,000/-** on 11th December 2015.
- **Dr. E. K. Mohanraj, K.Selvi & R. Amutha** has submitted a Seminar Grant on “**Numerical Trends in Civil Engg.**” at TNSCST, Chennai for an amount of **Rs.40,000/-** on 29th Dec 2015.
- **K. C. Denesh & V. Naveenraj** has submitted a Workshop Grant on “**Structural Design & Principles**” at DST, New Delhi for an amount of **Rs.56,000/-** on 30th December 2015.
- **Dr. E. K. Mohanraj & P.Shankar** submitted a Project Proposal on “**Behaviour of Steel Tubular Sections In-filled with Concrete using Waste Materials**” under the scheme of Minor Research Project @ **UGC** for an amount of **Rs. 4.90 Lakhs** on 11th January 2016.
- **Dr. E. K. Mohanraj & S.Sankar** submitted a Seminar Grant on “**Flood Control and Safety Measures**” @ **Ministry of Water Resources, New Delhi** for an amount of **Rs.1.14 Lakhs** on 10th February 2016.
- **Dr. E. K. Mohanraj & P. Shankar** submitted a Project Proposal on “**Advanced Construction Practices to Achieve Thermal Comfort**” @

DST, New Delhi for an amount of **Rs. 35.88 Lakhs** on 10th May 2016.

- **Dr. E. K. Mohanraj & K. L. Ravisankar** submitted a Seminar Proposal on “**Performance Evaluation of Corrosion Inhibitors in Reinforced Concrete Bridges**” @ **DST** for an amount of **Rs.60,000/-** on 21st May 2016.
- **Dr. E. K. Mohanraj & A. Abdul Hameed** submitted a Seminar Proposal on “**National Seminar on Smart Materials uses and Developments in Civil Engg.**” @ **DRDO** for an amount of **Rs.65,000/-** on 31st May 2016.
- **Dr. E. K. Mohanraj & T.R.Raghavan** submitted a Seminar Proposal on **Rain Water Harvesting-“Life Line for Water Resources”** @ **TNSCST, Chennai** for an amount of **Rs. 50,000/-** on 31st May 2016.

PAPER PUBLISHED / PRESENTED

- **N.R.Monika & S.Sarankokila** has published a paper on “**Partial Replacement of M-Sand Concrete by Self Curing and Standard Curing Method**” in the Int. Jr. of Innovative Research in Science, Engg. and Technology, Vol. 4, Issue.12, Dec 2015. pp. 12162-12169.
- **R.Ranjani & R.Priya** has published a paper on “**Prediction of Coastal Upwelling using Remote Sensing**” in the Int. Jr. of Advanced Research in Computer & Communication Engg., Vol. 5, Issue: 1, Jan 2016.
- **K. L. Ravisankar & T. R. Raghavan** presented a paper on “**Experimental Study on Durability Characteristics**” on the

International Conference on Technology Development on Agriculture, Energy and Environmental Engineering for Green World at Vivekanandha College of Engg. for Women, Tiruchengode on 18th & 19th Feb 2016.

- D.Gokulraj & K.C.Denesh has presented a paper namely **“Demonstration of Mechanical Properties in Triumvirate & Quartet mix”**, S.Pradeepa & N.R.Monika has presented a paper namely **“Comparison of Flexural Behaviour of Cold formed Sigma & Z - Purlin”**, U.Manikandan & N.Saravanababu has presented a paper namely **“Flexural Ability on Self Consolidated Self Curing Concrete with E-Glass fibre”**, T.S.Kumanan & V.Naveenraj has presented a paper namely **“Green Concrete: Impoverish of Ecological Effect & its Expertise Attributes”**, J.Kalai Selvi Nivedha & K.P.Saranya has presented a paper namely **“SWOT on Colleagues of Blended Cement Concrete”**, M. Kathirvel & K.Selvi has presented a paper namely **“Tentative Study on the Mechanical Assets of Hybrid FRC”**, R. Udhyasankar & S.Sankar has presented a paper namely **“Use of Copper Slag & Eco Sand as a Partial Replacement of Fine Aggregate in Concrete”** in the International Conference on “Emerging Trends in Science, Engineering & Technology” at NCT on 4th & 5th March 2016.
- K.P.Saranya has presented a paper namely **“An Experimental Study on Mechanical**

Properties of Blended Cement Concrete” in the National Conference on “Emerging and Sustainable Technologies for Infrastructure, Communication, Computing and Electrical Network Development” at Gnanamani College of Engineering, Namakkal on 10th March 2016.

- K.L.Ravisankar & T.R.Raghavan has presented a paper namely **“A Detailed Investigation on the Strength Characteristics of High Performance Concrete”** in the International Conference on “Sustainable Materials Design and Applications” at Kongu College of Engineering, Erode on 18th & 19th March 2016.
- D.Gokulraj & K.C.Denesh has presented a paper namely **“Demonstration of Mechanical Properties in Triumvirate & Quartet mix”**, S.Pradeepa & N.R.Monika has presented a paper namely **“Comparison of Flexural Behaviour of Cold Formed Sigma and Z-Purlin”**, S.Pradeepa & N.R.Monika has presented a paper namely **“Comparison of Flexural Behaviour of Cold Formed Sigma and Z-Purlin”**, R.Udhyasankar & S.Sankar has presented a paper namely **“Use of Copper Slag & Eco Sand as a Partial Replacement of Fine Aggregate in Concrete”**, U.Manikandan & N.Saravanababu has presented a paper namely **“Investigate the Blending Nature on Self Curing Concrete With E-Glass Fibre”**, M.Kathirvel & K.Selvi has presented a paper namely **“Tentative Study on the Mechanical Assets of Hybrid**

FRC”, J.Kalaiselvi Nivedha & K.P.Saranya has presented a paper namely **“An Experimental Study on Blended Cement Concrete”**, T.S.Kumanan & V.Naveenraj has presented a paper namely **“Green Concrete - To Compress Green House Effects and Retaining Their Mechanical Properties”**, V.Nalladurai & P.Shankar has presented a paper namely **“Analytical Investigation on Optimization of Type and Span of Purlin”**, S.Sarankokila & N.R.Monika has presented a paper namely **“Experimental Study on Partial Replacement of M-Sand on Concrete By Self Curing and Standard Curing Method”**, K.L.Ravisankar & T.R.Raghavan has presented a paper namely **“A Detailed Investigation on the Strength Parameters of Artificial Fly Ash Aggregate”**, M.Yeswanth & S.K.Gowtham has presented a paper namely **“Experimental Investigation on Industrial Waste (Red Mud) in Concrete”** in the National Conference on **“Innovative Research in Civil Engineering for Sustainable Development”** at Jay Shriram Group of Institutions, Tirupur on 23rd March 2016.

- K.Selvi & N.Gnanavenkatesh has presented a paper namely **“An Experimental Study on High Strength Self Compacting Concrete Beams with Steel and Recon Fiber”** in the National Conference on **“Latest Emergin Trends & Sustainable Development of Civil Engg.”** at BIT, Sathy on 23rd March 2016.

- K.L.Ravisankar & T.R.Raghavan has published a paper on **“Experimental Study on Durability Characteristics of High Performance Concrete”** in the International Journal of Applied Engineering Research, Vol. 10, No: 93, pp.116-120, 2015.
- P.Shankar, B.Dhivya & M.K.Kamalakkannan has published a paper on **“Experimental Investigation on Structural Behaviour of Blended Cement Concrete”** in the South Asian Journal of Engineering and Technology, Vol. 2, No: 13, pp.51-53, 2015.
- M.K.Kamalakkannan, P.Shankar & B.Dhivya has published a paper on **“Experimental Study on Auto Repairing of Concrete Cracks Using Biological Aspects”** in the South Asian Journal of Engineering and Technology, Vol. 2, No: 13, pp.23-28, 2015.
- B.Dhivya, M.K.Kamalakkannan & P.Shankar has published a paper on **“Removal of Copper Ions from Waste Water by Waste Tire Rubber** in the South Asian Journal of Engg. and Tech., Vol. 2, No: 13, pp.17-22, 2015.
- S.Sankar, R.Mohanapriya and C.Mohana sundaram has published a paper on **“Experimental Study on Structural Behaviour of Bacterial Concrete in Framed Structure”** in the South Asian Journal of Applied Sciences Vol. 1, pp.71-75, 2015.
- C.Mohanasundaram, S.Sankar & R.Mohana priya has published a paper on **“Strength and Durability Study of Previous Concrete”** in

the South Asian Journal of Applied Sciences Vol.2, No.13, pp.34-43, 2015.

- R.Mohanapriya, C.Mohanasundaram & S.Sankar has published a paper on **“Comparative Study on Effect of Concrete Made with Textile Effluent and Ordinary Water”** in the South Asian Jr. of Applied Sciences, pp.28-31, 2015.
- K.Selvi, T.Mahendran, & N.Atthikumaran has published a paper on **“Experimental Investigation on Modulus of Elasticity of Self-Compacting Concrete”** in the Journal of Applied Physics and Engineering, Vol.1, No.2, pp.5-8, March 2016.
- N.Atthikumaran, K.Selvi, & T.Mahendran has published a paper on **“Design and Investigation of Steel Slag as a Partial Replacement for Fine and Coarse Aggregate in Concrete”** in the South Asian Journal of Engg. and Tech, Vol. 2, No: 13, pp.1-11, 2015.
- T.Mahendran, N.Atthikumaran & K.Selvi has published a paper on **“Comparative Study on Nitrate Removal in Pond Water by Selected Bacterial Isolates”** in the South Asian Jr. of Applied Sciences, Vol.1, pp.23-27, 2015.
- M.Yeswanth, T.R.Ragavan & G.D. Amarapathi has published a paper on **“Experimental Investigation on Polypropylene FRC with Addition of Fly Ash”** in the Jr. of Applied Physics and Engg., Vol.1, pp.1-4, March 2016.
- G.Dheeran Amarapathi, M.Yeswanth & T.Raghavan has published a paper on **“Domestic Wastewater Treatment Vermi-**

Filter” in the South Asian Journal of Engg. and Technology, Vol. 2, No: 13, pp. 12-16, 2015.

- T.R.Raghavan, G.Dheeran Amarapathi & M.Yeswanth has published a paper on **“An Experimental Investigation on High Strength RC Column using Prefabricated Cage System”** in the South Asian Jr. of Engg. and Tech., Vol. 2, No: 13, pp. 66-70, 2015.
- S.K.Gowtham, A.Karvendhan & P.B.Narandiran has published a paper on **“An Experimental Study on Strength and Durability Properties of Self Curing Concrete”** in the South Asian Jr. of Engg. and Tech., Vol. 2, pp. 17-22, 2015.
- P.B.Narandiran, S.K.Gowtham & A.Karvendhan has published a paper on **“Durability Study on SCC”** in the South Asian Jr. of Engg. and Tech., Vol. 2, No: 13, pp.44-50, 2015.
- A.Karvendhan, P.B.Narandiran & S.K.Gowtham has published a paper on **“Investigation of Silica Fume in Ultra-High Strength Concrete”** in the South Asian Journal of Engg. and Tech., Vol.2, No: 13, pp.29-33, 2015.
- K.P.Saranya & T.Bragadeeswaran has published a paper on **“An Experimental Study on Mechanical Properties of Blended Cement Concrete”** in the South Asian Jr. of Engg. and Tech., Vol.2, pp.76-80, 2015.
- K.P.Saranya & T.Bragadeeswaran has published a paper on **“An Experimental Study on Mechanical Properties of Blended Cement Concrete”** in the South Asian Journal of Engg. and Tech., Vol.2, pp.76-80, 2015.

- T.Bragadeeswaran, K.P.Saranya, & G.K.Arun vivek has published a paper on **“Feasibility Study on Partial Replacement Cement by RMC Sludge in Concrete”** in the South Asian Jr. of Applied Sciences, Vol. 1, pp.13-16, 2015.
- N.Saravanababu, R.Pradheepa & S.Prema has published a paper on **“Experimental Studies on Fibre Reinforced Self Consolidating - Self Curing Concrete”** in the South Asian Jr. of Applied Sciences, Vol. 2, pp.81-85, 2015.
- S.Prema, N.Saravanababu & R.Pradheepa has published a paper on **“Performance of Self-compacting Concrete using Self-curing Agents”** in the International Journal of Innovative Research in Engineering Science and Technology, pp.354-359, March 2016.
- R.Pradheepa, S.Prema & N.Saravanababu has published a paper on **“Experimental Study on Mechanical Properties of SIFCON”** in the South Asian Journal of Engineering and Technology, Vol. 2, No: 13, pp.60-66, 2015.
- J.Jayashree has presented a paper namely **“Numerical Study on the Behaviour of a Semi - Rigid Joint under Axial Loading”** in the International Conference on “Advances in Civil Engg. and Sustainable Construction” by SRM University, Chennai on 31st March 2016.
- S.Gnanavenkatesh & S.K.Gowtham has presented a paper **“Investigations on Concrete Strength by various Curing”**, V.Naveenraj has presented a paper **“Application of Phase Change Material in High Performance Concrete”**, A. Abdul Hameed has presented a paper **“An Experimental Study on High Performance Concrete using Steel & Fibre Recron”**, M.Yeswanth & R.Ranjani has presented a paper **“Analysis of Labour Risk in Construction Projects”**, K.C.Denesh has presented a paper **“Investigation on Mechanical Properties of Securing Ternary Concrete”** in the National Conference on “Advances in Engg. Sciences” at Sasurie College of Engg., on 4th & 5th April 2016.
- C.P. Indhumathi has presented a paper namely **“Experimental Behaviour of Composite Reinforced Concrete by Axial Loading”**, M.Kathirvel has presented a paper namely **“Scrutinizing the Assets of Hybrid FRC using M-Sand”** in the National Conference on “Innovative Research in Science, Engineering & Management” at P.S.V College of Engg. & Tech., Krishnagiri on 6th & 7th April 2016.
- K.P.Saranya has presented a paper namely **“An Experimental Study on Mechanical Properties of Blended Cement Concrete”**, R. Pradeepa has presented a paper namely **“An Experimental Investigation on High Strength SCC Concrete Beams with Steel Fibre”** in the National Conference on “Innovations in Civil Engineering” at KPR Institute of Engineering and Technology, Coimbatore on 15th April 2016.

- V.Nalladurai presented a paper namely **“Analytical Investigation on Optimization of Type and Span of Purlin”**, C.P. Indhumathi has presented a paper namely **“Experimental Behaviour of Composite RC by Axial Loading”** in the National Conference on “Innovations in Materials, Mechanics and Processes for Sustainable Development” at CIT, Coimbatore on 20th April 2016.
- R.Ranjani has published a paper on **“Labour Risk Management in Construction Areas”** in the Int. Jr. of Emerging Technologies in Engg. Research, Vol. 4, Issue: 04, April 2016.
- R.Ranjani has published a paper on **“Analysis of Workers Risk in Construction Projects”** in the Int. Jr. of Network Communication and Emerging Technologies, Vol. 6, April 2016.
- J.Kalaiselvi Nivedha & K.P.Saranya has published a paper on **“An Experimental Study on Blended Cement Concrete”** in the Int. Jr. of Advanced Research and Innovative Research, Vol. 5, Issue: 04, April 2016.
- D.Gokulraj & K.C.Denesh has published a paper on **“Inquisition on SCC using Ternary and Quaternary Mix”** in the Int. Jr. of Intelligence Research, Vol. 7, Jan-June 2016.
- S.Pradeepa & N.R.Monika has published a paper on **“Flexural Behaviour of Cold Formed Sigma and Z-Purlin”** in the International Journal of Technology & Engg. Research, Vol. 4, Issue (1) Jan-June 2016.
- J.Jayashree & S.Sarankokila has presented a paper **“Behaviour of Unprotected Stiffened Beam Column Joint under Elevated Temperature”**, D.Shanthini has presented a paper **“Development of Fibre Reinforced Geo-Polymer Concrete Shell”**, J.Kalaiselvi Nivedha has presented a paper **“Experimental Investigation on Blended Cement Concrete”**, R.Udhayasankar has presented a paper **“Consequences of Eco Sand & Copper Slag as Colleague of Concrete”**, U.Manikandan has presented a paper **“Determine the Abrupt Nature on Self Consolidated Self Curing Concrete with E-Glass Fibre”**, S.Pradeepa has presented a paper **“Flexural Behaviour of Cold Formed Sigma & Z-Purlin”**, T.Kumanan has presented a paper **“To Diminish the Ecological Effects & to Enrich Potency of Green Concrete** in the National Conference on Advances in Building & Construction Materials at NEC on 6th May 2016.
- S. Gnanavenkatesh has published a paper on **“Investigation of Concrete by Strength by Various Curing”** in the Int. Jr. of Engg. Research, Vol. 4, pp.91-96, April 2016.

GUEST LECTURES DELIVERED

- Dr. E. K. Mohanraj has delivered a Guest Lecture on FDTP on **“CE 6602 STRUCTURAL ANALYSIS-II”** sponsored by Anna University Chennai at MPNMJ Engg. College, Chennimalai on 8th January 2016.

- Dr.E.K.Mohanraj has invited as a Chief Guest at Vidhyaa Vikas College of Engg. & Tech., Tiruchengode on 31st March 2016.
- Dr.E.K.Mohanraj has delivered a Keynote Lecture on **DST Sponsored National Seminar** on “Analysis of Structures through NDT” at NCT on 12th April 2016.
- Dr. E.K. Mohanraj has invited as a Jury for the **First International Conference on Advancement in Science, Engineering, Technology & Management (ICASETM '16)** organized by MPNMJ Engineering College, Chennimalai on 16th April 2016.

SKILL UPGRADATION - FACULTY MEMBERS

- M. Yeswanth, S.K. Gowtham & T.R. Ragahavan has attended FDP on Visual Based Learning by Er. K. Shanmugam, Enthu Technologies, Coimbatore on 5th Dec 2015.
- V. Naveenraj attended Industry Training @ **Manicka Sundaram & Associates, Coimbatore** from 14th to 16th December 2015.
- S.Sarankokila, N.R.Monika, B. Dhivya & R.Pradeepa has attended Workshop on **Earthquake Resistant Structures** at PPG Institute of Tech., CBE on 15th & 16th Dec 2015.
- R. Amutha has attended Workshop on “**Analysis and its Applications**” at KSR College of Arts and Science for Women, Tiruchengode on 30th December 2015.
- S.Sankar attended Industry Training @ **Sri Sabari Construction & Technologies Pvt. Ltd, Coimbatore** on 30th December 2015.
- K.L.Ravisankar has completed his **Online Course Diploma in Workplace Safety and Health** at ALISON on 4th January 2016.
- P.Shankar & S.Sankar attended FDP on “**Teaching Pedagogy and Research Techniques for Engineering Teachers**” at NEC on 5th January 2016.
- R.Amutha attended FDP on “**Applications of Transforms in Biomedical Digital Signal Processing**” at RVS Technical Campus, Coimbatore on 7th & 8th January 2016.
- K.P.Saranya, R.S.Sowbakeya, N. Sandhiya & R.Amutha has attended **FDP on Visual Based Learning** by Er. K. Shanmugam, Enthu Technologies, Coimbatore on 5th Feb 2016.
- R.Pradeepa has completed his **Online Course Diploma in Workplace Safety and Health** at ALISON on 5th February 2016.
- Dr.E.K.M, S.S.K, N.R.M, K.L.R, K.P.S, T.R.R, P.S, R.A & R.S.S (9 Nos.) of Faculty Members attended CLD on Faculty Enrichment “**How to Keep Your Work Place Motivated**” at NEC on 5th February 2016.
- R.Amutha attended workshop on “**Latex - A Tutorial Perspective for Effective Journal Writing using Latex**” at RVS Technical Campus, CBE on 11th Feb 2016.
- K.C.Denesh & V.Naveenraj has along with 20 Nos. of II and III Year students attended workshop on **Precast Concrete Construction** @ Sona College of Tech., Salem on 2nd March 2016.

- N.Santhiya has attended National Seminar on **Recent Trends and Challenges in Phytochemistry and Biosorption** at Kongu Engineering College, Erode on 4th March 2016.
- 6 Nos. of faculty members attended Workshop on **“Curriculum Based Experimental Project”** @ ESEC, Erode on 5th March 2016.
- N.Santhiya has attended **“Legal Awareness Program about Women related Law”** at NEC on 10th & 11th March 2016.
- B.Dhivya has along with 5 Nos. of III Year students attended Workshop on **“Soil and Water Quality Assessment using Open Source Tools - An Overview”** at Kongu Engg. College, Erode on 24th March 2016.
- P.Shankar & S.Sankar has attended Workshop on **“Decentralised Faecal Sludge Management”** at Sri Krishna College of Engg., CBE on 24th Mar 2016.

SKILL UPGRADATION - STUDENTS

- P. Sivaraj & M. Sadham Hussian, Final Year students applied for **Build India Scholarship - XIX Batch**, at L&T Construction, Chennai on 11th December 2015.
- 7 Nos. of Final Year students got permission to do **Project Work in URC Construction, Erode** on 14th December 2015.
- 141 Nos. of II year students has attended **Revit Architecture** at NEC from 6th to 8th Jan 2016.
- K.Ramkumar & T.Kavin, Final Year Students placed in **“RiDh Engineering Services (P) Limited”** at Chennai on 10th January 2016.

- N. Arunprasanth & K.Nagaraj received the **District Level Topper Award** by **Builder’s Association of India**, Erode on 23rd Dec 2015.



- 132. Nos of III Year students have attended for **Archi CAD** at NEC from 18th to 20th Jan 2016.
- 4 Nos. of Second Year Students Participated in **‘SCENT QUIZ’** in SHAASTRA 2016 at **IIT-M, Chennai** on 25th & 26th January 2016.
- 3 Nos. of Third Year Students Participated in **‘Rivera Sports Meet-2016’** at **VIT University Vellore** on 27th - 29th January 2016.
- 53 Models were exhibited in **‘6th Innovation Day’** from First Year, Second Year & Third Year Students were participated. Second Year students got **‘Second Prize’** for the model namely **“RCC Brick Wall Masonry using Chicken Mesh”**, Third Year students got

‘**Third Prize**’ for the model namely “Solar Canal Regulator” and III Year students got ‘**Best Project Award**’ for the model namely ‘Cross Drainage Works’ on 29th -31st Jan 2016.



- S.Mariappan & M.Tamilarasan, Second Year students got **Fourth Prize** in **Physique Competition** at VIT University, Vellore on 4th - 7th February 2016.
- Intra Department Meet conducted for our Civil Engg. students. J.Kavin, III Year got **First Prize**, S.Praveen Kumar, I Year got **Second Prize** & V.Sabarinathan, II Year got **Third Prize** in **AutoCAD**, S.Deepika & S.M.Benazir, III Year got **First Prize** and B.Dhanaraj & S.Jeyaseelan, III Year got **Second Prize** in **Treasure Hunt** and I.Fahaal Roshan Khan & N.Mohan Balaji, III Year got **First Prize** and

M.Praveen Kumar & A.Yathavan, III Year got **Second Prize** and S.Tilak, P.Thilip Kumar & G.Prabhakaran, I Year got **Third Prize** in **Joincrete** and K.Sabarinathan & T.Karthikeyan, III Year got **First Prize** and E.Sridhar & S.Vasanth, III Year got **Second Prize** in **Quiz** and S. Amit Kumar Suman, II Year got **First Prize**, M.Yokash, I Year got **Second Prize** & J.Nagarajan & R.Rajavignesh, II Year got **Third Prize** in **Jam** Competition on 5th Feb 2016.

- K.M.Sivasankari & A.Geetha, III Year and C.Keerthana, I Year got **Runner** in **Anna University Inter Zonal ‘16 Women’s Football Tournament** at Idhayam Engineering College, Chinnasalem on 5th & 6th February 2016.
- 8 Nos. of Third Year students attended Workshop on **Role of Chemicals in Modern Construction** at Avinashilingam University, Coimbatore on 10th February 2016.
- 3 Nos. of Final Year students doing Main Project Work on the title of “Traffic Impact Assessment” at **National Transportation Planning and Research Centre, Thiruvananthapuram** from 10th Feb to 10th March 2016.
- 6 Nos. of III Year students attended Workshop on “**Construction Failure, Causes and Remedies**” @ Kumaraguru College of Engg., Coimbatore on 11th February 2016.
- P.Vignesh & S.R.Ashimjerin, II Year students applied for “**Introductory Summer School in Astronomy and Astrophysics 2016**” at Pune 11th February 2016.

- M. Praveen, S. Rajesh & R. Surendhiran, Final Year students has placed in **P&C Construction, Erode** on 13th February 2016.
- N.M.Abeeb, Final Year student has placed in **New Horizon Engineering Associates, Kerala** on 16th February 2016.
- B.Gokul & M.Kokila, Second Year students got **First Prize** in ECE Inter Department meet at NEC on 17th February 2016.
- S.N.Syed Farvees & K.E.Senthurvasan, Third Year Students has participated in **Paper Presentation** at Karpagam University, Coimbatore on 17th February 2016.
- M.Manoj, R.Arunraja, S.Prabaharan, S.Sasidharan & R.Gokul Gowtham, IV Year students has placed in **Sri Vengatachalam Associates, Chennai** on 22nd February 2016.
- B.Gokul & M.Kokila, Third Year Students Presented a Paper and Participated in Quiz at **PPG Institute of Technology, Coimbatore** on 27th February 2016.
- T.Ajith Kumar & S.Kathiravan, Second Year Students Presented a Paper at MPNMJ Engg. College, Chennimalai on 27th February 2016.
- 3 Nos. of Second Year students attended seminar on **Science Day** at Hotel Club Melange, Erode on 28th February 2016.
- 10 Nos. of II Year students selected **Second Round** for National Design Competition in **CADD Centre** at Perundurai on 1st Mar 2016.
- 9 Nos. of II Year student attended Events S.Amith Kumar Suman got **Second Prize** in **Build Your Way** at M.Kumarasamy College of Engineering, Karur on 1st & 2nd March 2016.
- 5 Nos. of II Year students attended Second Round for National Design Competition in **CADD Centre** at Perundurai on 3rd Mar 2016.
- 9 Nos. of II Year students attended workshop on **BIM & STAAD.Pro** at IIT, Chennai on 3rd - 5th March 2016.
- 4 Nos. of III Year students attended Code Cracking, Model Making at Vellalar College of Engg. & Tech., Erode on 5th March 2016.
- B.Gokul & V.Jayaraman, III Year students got **First Prize & Second Prize** in **Mind Bend**, B.Gokul & D.Gowtham got **Second Prize** in **IDP & CADD**, J.Kavin & D.Gowtham III Year students got **First Prize** in **Treasure Hunt** and T.Karthikeyan & V.Jayaraman Participated in **IDP & CADD** at Kongu College of Engg., Erode on 5th March 2016.
- 7 Nos. of Final Year students attended Internship at **URC Construction Pvt. Ltd**, Erode on 7th March - 6th April 2016.
- 6 Nos. of III Year students attended Workshop on “**Evolution of Soil Investigation - Ere and After**” at BIT, Sathy on 7th & 8th March 2016.
- 43 Nos. of II & III Year students participated in various events. K.Jawahar & T.Mohanram got **First Prize**, V.Susi & T.Tamilmani got **Second Prize**, S.Saravanakumar & C.Pradeep got **Third Prize**, in **Paper Presentation** & I.Fahaal Roshan Khan & M.G.Girimurugan got **First Prize** in **Logo Quiz**, M.Bharath &

M.Mohanraj got **Second Prize** in **Treasure Hunt**, S.Manikandan & S.Sudharsan got **Third Prize** in **Treasure Hunt** at Excel Engineering College, Kumarapalayam on 8th March 2016.

- 35 Nos. of II & III Year students participated in various events. S.N.Syed Farvees & K.E. Senthur Vasan got **Second Prize** in **Clay Modeling**, T.Mohanram got **Second Prize** in **CADD** & B.Gokul, J.Kavin, V.Jayaraman, T.Karthikeyan & K.Ramakrishnan got **First Prize** in **Treasure Hunt** at NSN College of Engg. & Tech., Karur on 9th March 2016.
- 4 Nos. of III Year Students participated in various events at Tamilnadu College of Engineering, Coimbatore on 10th March 2016.
- 20 Nos. of Students are participated in Inter department Meet organized by Department of IT at NEC on 11th March 2016.
- K.Vishnuprasad & K.E.Senthurvasan, III Year student participated in Paper Presentation at Sri Ramakrishna Institute of Technology, Coimbatore on 12th March 2016.
- 40 Nos. of III Year Students attended a **STAAD.Pro** class by S.Ananthapathmanathan, Managing Director, I Spark Technology, Coimbatore at NEC on 14th - 16th March 2016.
- 15 Nos. of II Year Students attended **Total Station** by K.Ramachandran, Surveying Coimbatore at NEC on 15th & 16th March 2016.
- 21 Nos. of III Year participated in various events. B.Gokul & M.Manoj got **Second Prize** in Poster presentation, B.Gokul, M.Manoj &

K.Sakthivelu got **First prize** in Quiz, B.Gokul, M.Manoj, K.Sakthivelu, R.Thrni, P.Radhika, S.Surya, S.Karthika, N.Dhivya Bharathi got **Third Prize** in Model Making, K.Sakthivelu & M.Manoj got **Third Prize** in Paper Presentation (Session 1), S.Surya & S.Karthika got **Third Prize** in Paper Presentation (Session 2), P.Radhika & R.Thrni got **Third Prize** in Paper Presentation (Session 3) & B.Gokul got **Third Prize** in Paper Presentation (Session 4) at Aishwaraya College of Engineering & Technology, Bhavani on 16th March 2016.

- Third Year students attended a Programme on “**A Good Civil Engineer**” by Mrs.A.Nithya, Director & Chief Financial Officer, RPP Infra Projects Ltd, Erode at NEC on 18th Mar 2016.
- K.Ramakrishnan & V.Jayaraman got **First Prize** in **Technical Quiz**, V.Jayaraman & K.Ramakrishnan got **Second Prize** in **Paper Presentation**, M.Moorthi & K.Ranjithkumar got **Third Prize** in **Technical Quiz**, & M.Karthikeyan got **First Prize** in **Plan in Minutes** at King College of Technology, Namakkal on 19th March 2016.
- M.Moorthi & K.Ranjithkumar, III Year students got **Second Prize** in **Multimedia** at Inter Dept. of CSE, NEC on 21st March 2016.
- T.Suriya Devi, IV Year student Placed in **CADeploy** at Hyderabad on 21st March 2016.
- V.P.Arun Babu, II Year student got **Third Prize** in **League Legends** at NCT on 23rd March 2016.

- 10 Nos. of II & III Year students attended Workshop on “Engineered Concrete for Sustainability and Industrial steel structures” also V.Jayaraman, B.Gokul & M.Monisha, III Year students got **First Prize & Second Prize** in **Techcon**, at Sona College of Technology, Salem on 23rd March 2016.
- 18 Nos. of III Year students attended Workshop on “E-Tabs” and H.S.Guruprasad & S.Vignesh Bharathi, IV & III Year students Participated in Paper Presentation at Anna University, Chennai on 25th - 27th March 2016.
- T.Kavin, IV Year student received **Best Student Award** from Thiru N.Rangaswamy, Chief Minister, Puducherry by Top Engineers & TEFSA 2016 on 27th March 2016.



- S.P.Prasanna II Year student got **Third Prize** in **Tamilnadu State Sub Junior & Junior Wrestling Championship 2015-2016** at Talent Matriculation School, Ammapet on 26th - 28th March 2016.
- M.Priyanga, B.Dhivya Bharathi & R.Nandhini, III Year students applied Summer Fellowship in Science & Engineering at Indian Institute of Science (IISc), Bangalore on 28th March 2016.

- M.Monisha & G.Vidhyamalar, III Year students got **Second Prize** in **Paper Presentation**, S.Janani & G.Vidhya Malar, III Year students got **First Prize & Second Prize** in **Tech Quiz**, S.Navaneetha & M.Monisha, III Year students got **Third Prize** in **CADD Contest**, S.Navaneetha & S.Janani, III Year students got **Third Prize** in **Modelling**, M.Monisha, S.Janani & S.Navaneetha, III Year students got **First Prize, Second Prize & Third Prize** in **Code Cracking** at Park College of Engg., Coimbatore on 29th Mar 2016.
- 23 Nos. of I Year students along with S.K.Gowtham attended **ISTE-TNP Seminar** on “**Latest Phase Change Materials for Sustainable Solar Energy Production: Trends and Opportunity with Thermal Systems Perspective**” at NEC on 30th Mar 2016.
- 50 Nos. of II & III Year students attended Makkal Sinthanai Peravai Inaugural Function at NEC on 30th March 2016.
- 10 Nos. of II & III Year students participated in Paper Presentation & Events. P.Vignesh, II Year student got **Second Prize** in **Poster Presentation & Connection**, M.Kartikeyan III Year student got **First Prize** in **Drafter Modelling & Second Prize** in **Connection** at Vidhyaa Vikas College of Engg. & Tech., Tiruchengode on 31st March 2016.
- 7 Nos. of II Year students participated in Paper Presentation. K.Jawahar & S.Madhumathi got **Second Prize** in **Paper Presentation** at Sri

Krishna College of Engineering & Technology, Coimbatore on 1st April 2016.

- 6 Nos. of III Year students participated in Paper Presentation. T.Savitha & S.Vennila got **First Prize in Paper Presentation** at VSA Group of Institutions, Salem on 1st April 2016.
- R. Julia Elavarasi, I year attended workshop at Sri Krishna College of Engineering & Technology, Coimbatore on 1st April 2016.
- 15 Nos. of IV year students attended a Campus Drive @ **CMK Projects Pvt. Ltd, Chennai** and **3 Nos.** (S.Veerakumar, M.Sivanesan & P.Sivaraj) are selected on 4th April 2016.
- K.S.Gowthamraj, II Year student got **Second Prize in Sand Art**, M.Suriya & V.Sabarinathan got **First Prize in Sound Casting**, P.Radhika & B.Dhivya Bharathi, III Year students got **First Prize in Cooking without Fire** & S.N.Syed Farvees, III Year student got **First Prize in Oratorical Speech** at NEC Annual Day on 9th April 2016.
- 9 Nos. of Faculty Members namely SSK, NRM, TRR, KLR, KPS, PS, VN, SKG & RR attended DST Sponsored National Seminar on “**Analysis of Structures through NDT**” at NCT on 11th & 12th April 2016.
- P.Vignesh & P.Praveen Kumar, II Year students presented a paper at KSR College of Engineering, Tiruchengode on 12th April 2016.
- E.Jayanth, I Year got **Second Prize in Shot Put**, S.Madhumathi, II Year got **Third Prize in Shot Put**, N.Poomughilan, A.Alfan & S.Suresh

got **Runner in Shuttle**, P.Praveen Kumar, N.Gandhirajan, I. Sabarigirisan & S.Suresh got



First Prize in 4x400 Relay, P.Aravind Kumar, S.Suresh, M.Arunprasath, M.Aranganathan, K.Suguvanan, B.Sriranjan, M. Vijay, S.Jeyaseelan, B.Selvam, P.Ramesh, G.Naveen, S.Marappan, S.P.Prasanna, R.Surendher, B.Ranjithkumar got **Runner in Cricket**, P.Aravindkumar IV Year student got **First Prize in High Jump, 200m Running**, S.Suresh, PG I Year student got **First Prize in 500m & 1000m Running**, A.Geetha III Year



student got **Third Prize in 100m Running**, **First Prize in Javelin & Winner in Football**, A.Swathi, IV Year student got **Second Prize in Javelin** at NEC Sports Day on 16th April 2016.



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Chief Guest Inaugurate the Symposium



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