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Vision

To be a world class
centre for
Construction,
Education, Practice
and Research

Mission

To stand for best in
education to
promote deep
understanding and
learning of concepts
and curriculum to
compete with global
research

CONCRETE NEWS

The News Bulletin from Nandha Engineering College

Department of Civil Engineering

Shaping Minds...Reshaping India...

Vol: 1 | Jul - Dec 2013



Dr S ARUMUGAM PhD
Principal - NEC

The two major qualities of a truly educated individual are the ability to think with clarity and intellectual inquisitiveness. Today the value based education is the only help for synthesizing the moral fabric of individual and sure the young Department of Civil Engineering offers the value based education in all aspects. I'm sure this edition is the great effort to showcase their efforts. I wish all them the very best.



Dr E K MOHANRAJ PhD
Dean - Civil Engg.

Welcome to the first issue of Concrete News, which highlights the achievements of the Civil Engineering Department at Nandha Engineering College. The First Semester 2013-14 was a semester of great achievements and carried on the momentous journey of the departments 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.



K PRAKASH ME (Struct)
HOD - Civil Engg.

Let me begin by telling you how happy I am to be a part of the faculty of the Department of Civil Engineering at Nandha Engineering College. This is an extraordinary department with excellent students, faculty, and staff. I look forward to working with our dean, members of the department, our Advisory Board, and our alumni to continue to improve research, teaching, and outreach programmes over the next several years.

ASSOCIATION INAUGURAL FUNCTION

The inaugural function of Civil Engineering Association along with ICI Student's Chapter was held at Conference Hall in NEC on 17th July 2013. The Chief Guest of this function was Er. B. Palanivel, Bala Consultants, Tirunelveli. Er. B. Palanivel gave his guest lecture on the topic of "Town Planning". He discussed about the various points which are the difficulties in practical before the commencement of construction, rules & regulation in buildings.



TRAINING ON TOTAL STATION

The ICI-NEC organized training on Total Station by Mr. Kathan Gambir, Pentagon Instruments, New Delhi on 12th July 2013. In this training he explained



about the advantages of Total Station systems like high efficiency, simplicity and convenience in operation, low power consumption, and easily portable use of device.

INNOVATION DAY

Innovation Day function of Nandha Educational Institutions was held on 18th, 19th & 20th July 2013 in Conference Hall, NEC at 9.30 am. Civil Engineering students exhibited models were opened by Thiru. V. Shanmugan, Chairman, SNET. The Chief Guest of this function was Er. R. Kailasan, President, Erode Civil Engineers Trust. Nandha Educational Institutions has organized the Innovation Day function which provided a wide platform for showcasing innovative ideas of students from different colleges and Schools.



GUEST LECTURE ON RECENT TRENDS IN CONCRETE TECHNOLOGY

The ICI-NEC is organized a guest lecture on



Recent Trends in Concrete Technology by Dr. R. Malathy, Dean (R&D), Sona College of Technology, Salem on 22nd July 2013. In this guest

lecture she explained about the trends in Concrete Technology like Concrete without Cement, Concrete without Water in Moon, Self Cleaning Building and almost all recent trends.

GUEST LECTURE ON SCOPE OF CIVIL ENGINEERING

The ICI-NEC organized a guest lecture on *Career Guidance* by Mr.J.S. Sankar Jegadesh, PhD Research Scholar - National Institute of Technology, Trichy on 16th August 2013. In this guest lecture he explained about the variety of opportunities available for Civil Engineers. And he added that the engineers need to have clear views on their interested area for betterment. He started with an inspiring quote “B.E., for Diploma; M.E., for B.E., and PhD. for M.E.,” which clearly depicts us the importance of pursuing higher education in our career. He also explained the importance of GATE for various qualifying posts in BHEL, ONGC and other government sectors.



TRAINING ON TOTAL STATION

The ICI-NEC organised training on Total Station for final years on 16th & 17th August 2013. The batch of 13 students with 2 faculties and expertise trainer Er. R. Thangamani who had his experience in the same in Gulf and SAIL (Salem) around 18 years arranged the training at NEC. In these hands on Training, he explained practically about the usage of total station for determining the Alignment of a Road,

Drainage Basins and Closed Traverse etc. Students get trained on Total Station Handling and using Total Station, contouring is done at 10m interval in a ground. Students acquired knowledge of marking, fixing points using Total Station and it gave them an additional importance to their future career.



GUEST LECTURE ON RECONCILIATION OF POLLUTED WATER

The ICI-NEC Department of Civil Engineering organized a Guest Lecture on Major Environmental issues on “*Reconciliation of Polluted Water*” on



17th August 2013. In this the Global Scenario the waste water is completely polluted and make contribution towards the pollution were all clearly discussed. The Chief Guest Er. N. Rajkumar, AE, TNPCB, Karur depicts almost all the advancements and techniques available for the reconciliation of polluted waste water and the youth responsibilities.

TECHNOCRAT LECTURE

The ICI-NEC organized a Technocrat Lecture on “Technological Implementations in Civil Engg.” on 7th September 2013. The chief guest of the day, Dr. T. Subramani, Assistant Professor, Department of Geology, Anna University, Chennai shared his views on techniques for civil and ease of construction. He shared almost all of his experience in this field for betterment in the use of techniques.



SOFT SKILLS TRAINING

The ICI-NEC organized a Training Programme on “Soft Skills” for Final Year Civil Engineering students on 17th September 2013. The trainer Mr. J. Anand Prabhu started about the importance on SOFT SKILLS depicted & being an Engineer never mind whatever might be your stream but SOFT SKILLS is a needful. He moves on to the important topic “*Know About Your Self*”. In this he makes all the listeners to



be over the dais to present about them. In addition he added some of his views and key factors to be remember while presenting about themselves. Finally, he ended the sessions with a mind blowing quote “*World is a dog, if you run, it will chase, if you chase, it will run and then why not you chase?*”

TECHNICAL MEET

The ICI-NEC has its most awaited Technical Meet on “New Generation Concrete” by Shri. C. V. Suvasan, Sr. GM, Technical Services, Dalmia Cements, Chennai on 19th (FN) September 2013. He depicts the serious effects of global warming, a serious and most hazardous of all which even most of our people doesn’t knew of it. Even the time, while producing the cement we produce the equivalent amount of CO₂ into the atmosphere that causes Global Warming. He added Civil Engineers are the devotees of lord KANYYA where he explains the story of kanyakumari - *thavam of kanya - varam of lord shiva* and time for *pralayam*. And we civil engineers indirectly helps *kanya* for *pralayam* through global warming - rise in sea level. He also added for the generations together we have borrowed our mother earth from future generation. He depicts concrete and steel to be husband and wife where the common man concrete protects its steel. However it actually fails in case of varying pH levels and chloride levels it causes destruction leading to failure.



CONCRETE DAY CELEBRATIONS

The ICI-NEC celebrated the Concrete Day on 19th (AN) September 2013 led by Shri. C. V. Suvasan, Dalmia Cements, Chennai. They celebrated the Engineers Day as an inter department function were the active participants from Nandha Engineering College & Nandha College of Technology participated in the events, the tough time to grow their talents starts. Students demonstrate their models / projects during review with the Jury Shri. C. V. Suvasan.



Chief Guest Distribute the "Mr. Engineer" Award in the Engineer's Day Celebration

AWARENESS ON GATE

The ICI-NEC organized one day awareness on need of GATE for pursuing higher studies and to place on Rathna's of India on 18th September 2013 just after the announcement from IIT came about the GATE 2014. The resource person Mr. A. Saravana Kumaran, Director from GATE FORUM India aims at making the awareness about the Graduate aptitude Test in Engineering and their Coaching Centre. The most awaited seminar was started with his attractive power point slides. He introduced himself and the one of the leading Coaching Centre in India for GATE. General information about the GATE was given by him. He said "GATE is an all India Examination administrated and conducted by the seven IITs on behalf of National Co-ordination Board GATE, Department of Higher Education, and MHRD".

GROUND WATER AWARENESS CAMP

The ICI-NEC in collaboration with PWD organized a one day awareness camp on GROUND WATER MANAGEMENT on 30.12.2013. As one of the awareness camps for public welfare by Public Works Department, they conducted awareness on GROUND WATER MANAGEMENT and gave some improvement guidelines to the students of Department of Civil Engineering. The chief guest from PWD includes Er. R. Arangasamy, Executive Engineer, PWD-WRO Division, Salem & Assistant Executive Engineers, Assistant Engineers and other office staffs from Erode & Salem District. The special awareness lectures on "Ground Water Management in TN" by Prof. V. Sridharan, Govt. Arts College, Salem-7, "Activities of Ground Water in Erode District" by Mr. R. Srinivasan, Assistant Director, PWD-WRO, Erode and "Needs of Water" by Dr. E.K. Mohanraj, Dean - Civil Engineering, NEC. The session waves the students about the importance of water and its usage. They also cautioned about the usage of water for the present and future era. They showed a live demo, videos on GROUND WATER RECHARGING and AVAILABLE TECHNIQUES to increase the ground water level.



SERC LAB VISIT

The ICI-NEC has its most awaited visit to Structural Engineering Research Centre (SERC), Chennai on 26th September 2013. As we all know that CSIR-SERC is our Nation's leading centre for Research & Development in the field of Structural Engineering with all its updated techniques and technologies. It was the open day in CSIR-SERC, Chennai and a team of 65 students accompanied by 3 faculties reached in the morning. The excited visit starts with six groups of ten each to all its leading laboratories. "Every failure has its own definition based on its pattern or mode" started from Fatigue & Fracture Testing Lab followed by Materials Testing Lab, Seismic Testing & Research Lab, and Structural Health Monitoring Lab and so on. Generally, here the budding Civil Engineers clearly up-dates their knowledge with all ongoing researches. No doubt the day seems to be an interesting day with number of ideas incorporated into the generations to come for innovation.



Final Year Students of NEC @ SERC, Chennai

INDUSTRIAL VISIT

Final Year students of NEC had undergone Industrial Visit to Construction of Commercial Building by Mannasseril Constructions, Cochin and Kochi Metro Rail Project by L&T Construction Limited on 24th Aug 2013. The site was located 6 kms from Cochin,

with a total site area around 5 Acres and the built-up area of about 25,000 Sq.m under an estimated value of around ₹12.50 Crores. The students acquired more knowledge on practical and site works. It's a G+16 floor



multistoried building and it will become one of the biggest complexes in Cochin once the construction works completed.

Third Year students of NEC visited the construction of Apartment Building (G+9) at Aluva, Cochin on 26th July 2013. The Construction site is located in Aluva at a distance of 5 kms from Aluva Junction, Cochin. The company is headed by Er. Rohith Prabhu, MD, Yasoram Builders. The objective of the visit is to acquire knowledge about multi-storey building and its construction techniques.



It gives real life exposure to our civil engineering students about modern methods used in the construction.

Second Year students of NEC undergone Industrial Visit to Indian Institute of Crops Processing Technology (IICPT) Site constructed by Rajam Construction Company for CPWD near TANJORE on 27th July 2013. The site was located 6 km from Tanjore, with a total site area around 16 acres and the built-up area is about 5500 Sq.ft. with a total estimated value of the project around ₹ 11.50 Crores.



LOCAL VISIT

Final Year ICI-NEC had undergone Local Visit to Municipal Water Works (Raw Water Treatment Plant) @ Erode on 26th July 2013. The site is located at a distance of 3 kms from Erode on the banks of River Cauvery. The total water treatment plant is of area around 2 acres. The total demand is more than 25 MLD, serving for a population of 1,52,000 with the general design of 140 litres per capita demand.



As in all the case the River water is even polluted and seems to be unfit for drinking purpose. This local site visit helped the students to update the practical knowledge about general water treatment process and the adopted methods. It also enables us to understand the various processes involved in the water treatment plant. We gained a visual knowledge involved in Sedimentation, Filtration, Flocculation, Chlorination and Testing specifications in Water Purification. Initially the water from the source point (at the middle of the river) reaches the midstream well under the gravity flow, where the initial settling starts, and it is pumped towards the suction well next into the aerator where it reaches towards the flocculator where the alum is added for coagulation. It moves towards the rapid sand filter then reaches into the clean water reservoir where the chlorination is done at a rate of 2kg of gaseous chlorine per hour. It is really interesting to note that the entire process from infiltration tank to the clean water reservoir happens through the gravity flow.



Third Year students of NEC had undergone Local Visit to i3 expo at CODISSIA, Coimbatore conducted by Alumni's of PSG Group of Institutions on 28th September 2013. This exhibition contains over 2,000 Innovations with a total estimated value of the expo around ₹ 1Cr. The students had gained knowledge in recent trends in Civil Engineering and the student's

innovative techniques in working models. They also had the chance to see the CODISSIA's entrance truss which has entire span of over 120ft with only two supports at its ends.



PG Students has its most awaited visit to M/s Balu Engineering Works, Coimbatore on 25th October 2013. It was established in 1993 have state of the art manufacturing facility on a total area of 60,000 Sq.ft and capable to produce any size of Pre-Engineered Metal Building Structures. They manufacture the pre-painted galvanized steel sheet for roofing with different colours and produce the "C" and "Z" purlins with different sizes as per our imagination.



VISIT TO "ALL INDIA EXHIBITION FOR BUILDING MATERIALS" @ CHENNAI

Second Year Civil Engineering students had visit to "All India Exhibition for Building Materials" at Chennai from 21st & 22nd December 2013. The

exhibition was undergone at Chennai Trade Centre, Chennai. The visit helped them to bring out the practical exposure to update the knowledge in current methods & materials adopted in the field of construction. There are several equipments available to reduce the manpower and in addition several materials are also available to replace the ordinary building to eco-friendly building using green building concept. This visit helped us to update their knowledge with latest equipments available in the field of construction.



SURVEYCAMP AT CHENNIMALAI HILL STATION

The ICI Student's Chapter of Nandha Engineering College (ICI-NEC) organized a survey camp with a group of 72 students guided by four faculties at Chennimalai Hill Station near Erode from 18th to 31st December 2013 (10 Days).



IN-PLANT TRAINING

The ICI-NEC has arranged one week in-plant training for the students at M/s. URC Construction Pvt Ltd. A batch of four members from final year has undergone in-plant training from 23rd to 28th December 2013. A project named “TEX VALLEY” which consists of supermarket, weekly market, power house. The various Departments functioning in the site are planning, safety, excavation, quantity & quality control and material storage. The project area is around 23 Acres with project duration of 3 Years with total project value of 135 Crores. The Engineers got prior experience in site before the students step into the practical exposure. No doubt the entire training seems to be an interesting week with number of ideas incorporated into us to reshape us a better engineer to come up with innovation. *“A thousand mile journey starts with a single step, and our journey towards career starts from here”.*



VALUE ADDED COURSE

- Two Days Training Programme on Total Station was organised through CVAC by Er. R. Thangamani, Digital Land Surveying, Edappadi for a batch of final year 13 students on 16th & 17th August 2013.
- Programme on AUTOCAD for II Year students through CVAC by CADD CENTRE, Perundurai of 80 Hours duration from 24th August 2013.

- Programme on STAAD. Pro for III Year students through CVAC by CADD CENTRE, Erode of 80 Hours duration from 24th August 2013.
- 14 students of final year and third year attended training programme on “Total Station” at Chennimalai Ghat Road on 23rd & 24th Dec ‘2013.



R&D ACTIVITIES

- A Seminar Proposal Submitted on “*Diagnosis of Structures through NDT*” by Dr. E. K. Mohanraj & Mr. N. Atthikumar under the DST-SERB scheme for an Amount of ₹ 72,000/- on 10th July 2013.
- Seminar Proposal Submitted on “*Innovation in concrete for meeting Infrastructure challenges*” by Dr. E. K. Mohanraj & Ms. V. P. Tharini under UGC-New Delhi for an Amount of ₹ 78,000/- on 24th July 2013.
- Submitted Project Proposal on “*Self-Healing Capacity of High Volume Fly ash Concrete - An Experimental Study*” to DST, New Delhi by Dr. E. K. Mohanraj & Mr. K. Prakash for an Amount of ₹ 21.42 Lakhs on 27th July 2013.
- Submitted Project Proposal on “*Synergic Effect of Seed Husk as Lightweight Aggregate on Strength Properties of Concrete*” under the Scheme of Young Scientists to DST, New Delhi by Dr.E.K.Mohanraj for an Amount of ₹ 22.23 Lakhs on 20th August 2013.

- Final Year Students Submitted 5 Project Proposal under Students Project Scheme to TNSCST, Chennai under the guidance of Dr. E.K. Mohanraj, Mr.K.Prakash, Ms.K.Bhuvanewari & Ms. S.Janani on 27th August 2013.
- Ms.K.Bhuvanewari of Civil Engineering Dept. was confirmed for **PhD** Programme under the control of Anna University, Regional Centre, Coimbatore on 23rd August 2013.
- Submitted Project Proposal on “*Experimental Study on Partial Replacement of Cement and Aggregate using Foundry Sand and Animal Bones in Smart Concrete*” under the scheme of Young Scientists to DST, New Delhi by Mr. K. Prakash for an Amount of ₹22.89 Lakhs on 28th August 2013.
- AICTE-RPS Project Proposal was prepared by Dr. E. K. Mohanraj in the title of “*Synergic Effect of Seed Husk as Lightweight Aggregate on Strength Properties of Chic Concrete*” for an amount of ₹ 24.24 Lakhs on 20th September 2013.
- AICTE-FDP was submitted by Dr. E.K.Mohanraj & Mr. N. Attikumaran in the title of “*Geo Astonishing Catastrophic Events and its Mitigations*” for an amount of Rs.7.00 Lakhs on 23rd September 2013.
- TNSCST Project Proposal was submitted by Dr.E.K.Mohanraj & Mr.K.Prakash in the title of “*An Experimental Study on Partial Replacement of Cement and Aggregates using Foundry Sand & Animal Bones in Chic Concrete*” for an amount of ₹ 3.84 Lakhs on 12th October 2013.
- TNSCST Project Proposal was submitted by Dr.E.K.Mohanraj & Ms. K. Bhuvanewari in the title of “*Seismic Behaviour of Concrete Filled Steel Tubular Beam-Column Joints by Partial Replacement of Aggregates*” for an amount of ₹ 4.15 Lakhs on 12th October 2013.
- Ministry of Environment & Forests Project Proposal was submitted by Dr. E. K. Mohanraj & Mr. K. Prakash in the title of “*Development of Biological Concrete to Diminish Environmental Pollution.*” for an amount of ₹ 17.95 Lakhs on 31st October 2013.
- Ministry of Environment & Forests Project Proposal was submitted by Dr. E. K. Mohanraj & Ms. K. Bhuvanewari in the title of “*Experimental Study on CFST Sections using Waste Materials by Recycling*” for an amount of ₹ 19.38 Lakhs on 31st October 2013.
- Ministry of Environment & Forests Project Proposal was submitted by Dr. E. K. Mohanraj & Mr. P. Shankar in the title of “*Experimental Study on Peculiarity in Blended Concretes to control pollution*” for an amount of ₹ 18.81 Lakhs on 31st October 2013.
- Dr.E.K.Mohanraj & Mr.K.Prakash has submitted the project proposal entitled “*Self-Healing Capacity of High Volume Fly ash Concrete - A Study*” under the scheme of TSD programme in DST, New Delhi for an amount of ₹ 25.50 Lakhs on 23rd November 2013.
- CSIR Seminar Grant was submitted by Dr. E. K. Mohanraj & Mr. N. Saravanababu in the title of “*Self Consolidated Concrete in Precast Construction*” for an amount of ₹ 65,000 on 5th December 2013.

ACHIEVEMENTS / AWARDS

- Anna University Rank Holders (First Batch 2009-2013) N. Arun (AUR:14, CGPA:9.12), B. Kalpana (AUR:29, CGPA:8.97), M. Vidhya (AUR:30, CGPA:8.96), C. Rohini (AUR:45, CGPA:8.80) & B. Aruna (AUR:49, CGPA:8.76)
- Nomination Submitted to ICI (TNCC) & Ultra Tech Award Outstanding Young Concrete

Engineer of TN 2013 by Dr. E. K. Mohanraj on 5th August 2013.

- Nomination Submitted to ICI (TNCC) & Ultra Tech Award Outstanding Thesis in Field of Concrete in TN 2013 by Dr. E. K. Mohanraj on 10th August 2013.
- Application form (Junior) Submitted to Best Faculty Award 2013 by Mr.N.Atthikumaran @ Nehru Group of Institutions, Coimbatore on 10th November 2013.
- Application form (Senior) Submitted to Best Faculty Award 2013 by Dr.E.K.Mohanraj @ Nehru Group of Institutions, Coimbatore on 23rd November 2013.
- AICTE - Career Award for Young Teachers proposal was submitted by Ms.K.Bhuvaneswari in the title of “Behaviour of Beam-Column Joints in Concrete Filled Steel Tubular Columns using Fine Aggregate by M-Sand” for an amount of ₹ 9.00 Lakhs on 20th September 2013.
- Four Students of Final Year Presented paper at Mepco Schlenk Engineering College, Sivakasi. V. Akash & P. Boopathi of Final Year won **First Prize** in Out of Box (CAD Contest) and **Second Prize** in Peep Thro’ Tache (Surveying) on 28th August 2013.



- P.K.Naveen & P.D.Tharanikumar of Final Year Students presented paper in *TECHNOVERZ-T13* on 12th & 13th September 2013 at Jei Mathajee College of Engineering, Kanchipuram and won **First Prize**.

- V. Akash & P.D. Tharanikumar of Final Year Students presented paper in *SCOTIA '13* at Sri Bharathi Engineering College for Women, Pudukottai. The team won **First Prize** in RECKONER (Surveying), **First Prize** in XCLAM 2^{nds} (CAD Contest) and **Second Prize** in Poster Presentation on 21st September 2013.
- V. Akash & A. Bharaneedharan of Final Year Students presented paper, poster, CADD (A. Bharaneedharan won **Second Prize**) & Photo Contest (V. Akash won **Second Prize**) in *REFUERZO'13* at K.S.R. College of Technology, Tiruchengode on 10th October 2013.
- Mr.K.Ramkumar of Second Year Civil Engineering won ₹ 45,000 worth of Goa Trip for seven days from Lucky Draw conducted in the Build Expo at Chennai.
- Mr. N. Arun, 2013 Passed out student was Awarded Gold Coin (2 grams) for “**Top Rank Holder of Outgoing Student**” at Malligai Arangam by Builders Association of India, Erode on 29th December 2013.



GUEST LECTURES DELIVERED / JURY

- Dr. E. K. Mohanraj has participated as a Jury in the “National Level Technical Symposium” at MPNMJ Engg. College, Chennimalai on 4th October 2013.

- Dr. E. K. Mohanraj has participated as a Jury in the “National Level Technical Symposium & ICI Students Chapter Inauguration” on AUSTURIAZ’13 at Shree Venkateshwara Hi-Tech Engineering College, Gobi on 12th October 2013.
- Dr. E. K. Mohanraj has delivered a guest lecture on “Nano Construction Materials” in the Two Days Training Programme for the TANGEDCO Engineers @ Hydro Training Institute, Bhavani on 29th November 2013.
- Mr. K. Prakash has delivered a guest lecture on “Emerging Trends in Construction Materials and Durability of Concrete Structures” in the Two Days Training Programme for the TANGEDCO Engineers @ Hydro Training Institute, Bhavani on 29th November 2013.

R&D PROJECT PROPOSAL PRESENTED

- Dr. E. K. Mohanraj & Mr. K. Prakash has presented the project proposal entitled “Self-Healing Capacity of High Volume Fly ash Concrete - A Study” under the scheme of TSD programme in DST, New Delhi for an amount of ₹ 25.50 Lakhs on 23rd November 2013 @ Karunya University, Coimbatore.

PAPER PUBLISHED / PRESENTED

- A paper has been published in “*International Journal of Research in Civil Engineering, Architecture & Design*” on Volume 1, July-Sept’13 issue in the title of “*Comparative Study on the behaviour of Load Deflection Characteristics of Beam with ANSYS*” by Dr. E. K. Mohanraj & Ms. K. Bhuvaneswari.
- A paper titled “*Utilisation of Industrial Waste Materials in CFST Columns*” in *International Journal of Engineering and Material Sciences* by Dr. E. K. Mohanraj & Dr. S. Kandasamy.
- A paper has been accepted for “*International conference* on Kinematics, Mechanics of Rigid Bodies, and Materials, Kinematics 2013” at **Jakarta, Indonesia** in the title of “*Comparative Study on the behaviour of Mechanical Properties of Concrete by Partial Replacement of Fine Aggregate by M-Sand*” by Dr. E. K. Mohanraj & Ms. K. Bhuvaneswari.
- A paper has been accepted for *International Conference* on Construction Materials (ICCMATS-2014) at **University of Auckland Park, South Africa** in the title of “*Performance Study on the effect of Waste Materials on the Workability of CFST Sections*” which is to be held on Nov-2014.
- Paper Presented on “*Comparison of Mechanical Behaviour of Concrete by Partial Replacement of Fine Aggregate by M-Sand*” by Dr. E. K. Mohanraj & Ms. K. Bhuvaneswari in Indian Technology Congress, Bangalore on 24th & 25th July 2013.
- A technical paper on “*Intelligent Transport System*” was presented by two students from Second Year in Gnanamani Engineering College at Nammakal on 17th August 2013.
- A technical paper on “*Green Homes*” was presented by two students of Third Year in Dr. M.G.R Educational and Research Institute University at Chennai on 22nd August 2013.
- N. Vanathi & A. Thaishnavi of Final Year Students participated in Poster Presentation – KONSTRUCK-2K13 at Sengunthar Engg. College, Tiruchengode on 12th September 2013.
- V. Akash & P.D. Tharanikumar of Final Year Students presented paper in AARUUSH’ 13 at SRM University, Chennai on 20th September 2013.
- K.P. Vijayakumar & N. Srinivasan of Third Year Students presented paper in ZACEFEST ’13 at Mahendra College of Technology, Salem on 27th September 2013.

- P.D. Tharanikumar & V. Arivu Thiravida Selvan of Final Year students presented paper and Participated in Tech-Sculptor (An International TECHNO-MEET) at Info Institute of Engineering, Coimbatore on 10th October 2013.

SKILL UPGRADATION

- 8 Staff Members (KJP, SJ, PS, KB, KS, SS, NS & VPT) attended Workshop on “Google Aps for Education” from 9th to 12th July 2013 @ NEC.
- A Two Days National Seminar on “*Durability and Strength Aspects of Concrete*” attended by Mr.S.Sankar AP/Civil Engg. and 8 students from Final Year @ ESEC, Thudupathi on 25th & 26th July 2013.
- AICTE Sponsored FDP on “*Limit State Design of Concrete Structures*” at Sengunthar Engineering College, Tiruchengode from 19th to 31st August 2013 was attended by Ms.K.Bhuvaneswari & Ms.S.Janani.
- One Day Workshop on “*Limit State Design of Steel Structures IS 800:2007*” at Vetri Vinayaga College of Engineering and Technology at Thottiyam was attended by ten students of final year on 20th August 2013.
- CSIR Sponsored One Day National Seminar on “*Renewable Energy Technologies for Rural Development*” at KSR College of Technology was attended by Mr.N. Saravanababu & Mr.P. Shankar on 23rd August 2013.
- Ten Students of Final Year attended One Day Workshop on “*Engineering & Economics of Reinforced Concrete Buildings*” at Kumaraguru College of Technology, Coimbatore on 30th August 2013.
- Three Students of Third Year attended One Day Workshop on “*Non Destructive Testing*” at Velammal Engineering College, Chennai on 31st August 2013.
- Seven students from Final Year attended workshop on “*Pre-Engineered Buildings*” in Bannari Amman Institute of Technology, Sathyamangalam on 3rd September 2013.
- V. Akash & V. Arivu Thiravida Selvan of Final Year students participated in “*CEBACA Talent Hunt 2013 for Engineering Colleges*” (Design Competition) conducted by Coimbatore Builders and Contractors Association, Coimbatore at CIT, Coimbatore on 7th September 2013.
- One Day Workshop on “*Town Planning and Vasthu Sasthra*” at Kavery College of Engineering, Salem on 11th September 2013 was attended by Ms.K.Bhuvaneswari, Mr.S.Sankar Mr. K.Shyamkumar & Mr.P.Shankar.
- One Day Seminar on “*Health Monitoring of Concrete Structures*” on 13th September 2013 at IITM-Chennai was attended by Dr.E.K.Mohanraj, Mr.K.J.Pradeep Kumar & Mr.N.Atthikumaran with 6 PG and 12 UG final year students.
- Eight Third Year Students attended Workshop on “*Advanced Surveying Techniques*” at Sri Krishna College of Technology, Coimbatore on 19th & 20th September 2013.
- Eight Third Year Students attended One Day Workshop on “*Ingenious Technologies for Energy Recovery from Waste Materials*” at Erode Sengunthar Engineering College, Thudupathi on 20th September 2013.
- One Day Workshop on “*Construction of Concrete Roads and Overlays Do's and Dont's*” at IIT-M, Chennai was attended by Mr. K. Prakash with Eight Final Year Students on 23rd Sep '2013.



- One Day Workshop on “*Water Quality Analysis-A Hands on Approach*” at Sri Krishna College of Technology, Coimbatore was attended by Mr. N.Saravanababu & Mr.K.Shyam Kumar on 25th September 2013.
- One Day Seminar on “*Construction Aspects of Nuclear Power Plant*” at Sri Krishna College of Technology, Coimbatore was attended by Mr.N.Attikumaran, Mr.K.J.Pradeep Kumar & Mr.K.Sankar with 5 Nos. of Third and 9 Nos. of Final Year Students on 27th September 2013.
- One Day Workshop on “*Water Resources Management*” at Hindustan College of Engg., Coimbatore was attended by 11 Nos. of Third and 1 No. of Final Year Students on 27th Sep ‘2013.
- Two Days CII National Summit on Quality in Education “*Smart Measurements for a Sustainable Educational Institutions*” on 27th & 28th September 2013 at Christ University, Bangalore was attended by Dr.E.K.Mohanraj.
- One Day Workshop on “*Structural Design Concepts and Practices*” at Anna University, Regional Centre, Coimbatore was attended by four faculty members (NA, KS, PS & KB) on 30th September 2013.
- Four Staff members (K.B, K.S, S.J & K.Sh) attended One Day Seminar on “*Earthquake and Structural Engineering*” at Sri Krishna College of Technology, Coimbatore on 3rd October 2013.

- Six Staff members (S.S, P.S, N.S, K.S, S.J & S.K) attended One Day Seminar on “*Fate of Emerging Contaminants*” at Kongu Engineering College, Perundurai on 5th October 2013.
- M.Sadham Husain, K.Ramkumar, P.Sivaraj, M.Karthi of Second Year Students attended Two Days National Seminar on “*Earthquake and Structural Health Monitoring*” at Easa College of Engineering and Technology, Coimbatore on 21st & 22nd October 2013.
- Ms.S. Janani with 11 PG Students attended TEQIP Sponsored Three Days Workshop on “*Pre-Engineered Metal Buildings*” at Government College of Technology, Coimbatore on 23rd October 2013.
- Mr.K.Ramkumar & team of five members in Second Year Civil Engineering attended All India Exhibition for Building Materials at Chennai Trade Centre, Nandampakkam, Chennai.
- Mr.K.Ramkumar of Second Year Civil Engineering won Rs. 45,000 worth of Goa Trip for Seven Days from Lucky Draw conducted in the Build Expo at Chennai.



Awareness Rally on Erod Reads @ Erode

ALUMNI says.....

It is rightfully said that "You can take the person out of college, but you can never take the college out of the person". Our life in college shaped us into a passionate group of smart people who know how to get things done within strict time constraints. Dept. of Civil Engineering, NEC provides value based education for my career...

- D. Sasikumar (2009-2013)

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- Dr. R. Malathy

Dean (R&D), Sona College of Technology, Salem

Prestigious Department having an un believable state of the art facility with team work.

- Shri. C. V. Suvasan

Sr. Manager Technical Services, Dalmia Cements, Chennai

Excellent infrastructure facility ambience a very good place for learning.

- Er. B. Palanivel

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Special thanks to: P. Shankar



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