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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...

Volume: 15, Issue: 01, June - Dec'22



Dr N RENGARAJAN
Principal

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.

It is a matter of great pride and satisfaction for Nandha Engineering College to bring out the Concrete News Bulletin for the academic year 2022-23 (Odd Semester) by the Department of Civil Engineering. The side spectrum of articles in different reactions gives me a sense of delight that our students and professors possess creative potential and innovative thinking in ample measures. A news bulletin is like a mirror which reflects the clear picture of all sorts of activities undertaken by the department. My heartfelt congratulations to the team who took responsibility for completing this herculean task to the best.



Dr J SENTHIL
Director



Dr E K MOHANRAJ
Dean Civil Engg.

Welcome to the Fifteenth issue of Concrete News, which highlights the achievements of the Civil Engineering Department at Nandha Engineering College. Academic Year 2022-23 (Odd Semester) 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.

Department Vision

To foster academic excellence by imparting knowledge in civil engineering and allied disciplines to meet the ever growing needs of the society.

Department Mission

Civil Engineering Department is committed

- To impart quality education to produce professionals with social responsibility.
- To excel in the thrust areas of civil and allied engineering to solve real world problems.
- To create a learner centric environment with continual progress to meet the global engineering needs.

Academic Toppers

Bachelor of Engineering (Civil Engineering)

(2019-23 Batch)



Jacintha M S
(9.333 GPA)



Selva Kumar M
(9.190 GPA)



Naveen S
(8.857 GPA)

(2020-24 Batch)



Venkatesh P
(9.27 GPA)



Matheswaran S
(9.27 GPA)



Vasanthakumar S
(9.09 GPA)



Ritheha J
(8.91 GPA)

(2021-25 Batch)



Prem Kumar S
(8.364 GPA)



Dharsana S
(8.364 GPA)



Saritha L
(7.364 GPA)

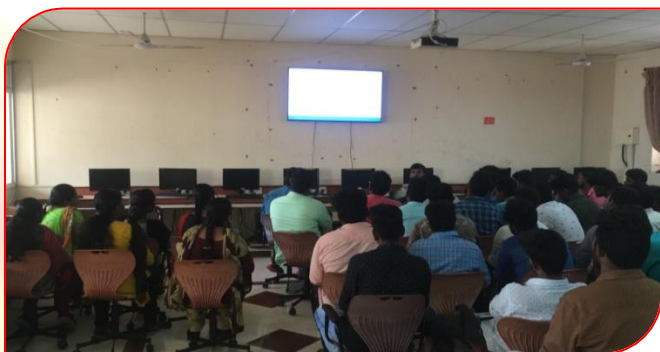


Harikrishnan R
(7.318 GPA)



GUEST LECTURE

ICI-NEC organized guest lecture on VAASTHU by Er. P. Gowsik Prasaanth, G S Builders, Tirupur on 5th, 6th & 12th June 2022. He has 8 years of experience in Vaasthu and construction field. In this lecture, he explained practically about the scientific approach of Vaasthu in construction field. He gave the guidelines like site selection, site orientation, location of site, direction of site for construct a



building based on Vaasthu. He gave many details about technical skill for Vaasthu like air circulation for residential building, commercial building and Industrial building etc. He also gave instruction about site spacing like four corner is chosen which corner is long we select, which place to locate rooms (Hall, Kitchen, Bedroom, Portico, etc...) and he advised to select square or rectangular shape site depends upon Vaasthu select East or North facing site. He discussed about how to use Vaasthu now-a-days in most of the MNC companies. Students were clarified various doubts about Vaasthu beyond the syllabus and it was very useful for them.

DAB MEETING

Department Advisory Board (DAB) meeting was conducted on 23rd July 2022. Dr. S. Balaji,

AsP, Civil Engineering, Kongu Engineering College, Erode has invited as academic expert, various suggestions and inputs received from him is put forth to BoS meeting.



BOARD OF STUDIES MEETING

10th Board of Studies meeting for the Academic Year 2022-23 was conducted on 6th August 2022.



ACADEMIC AUDIT

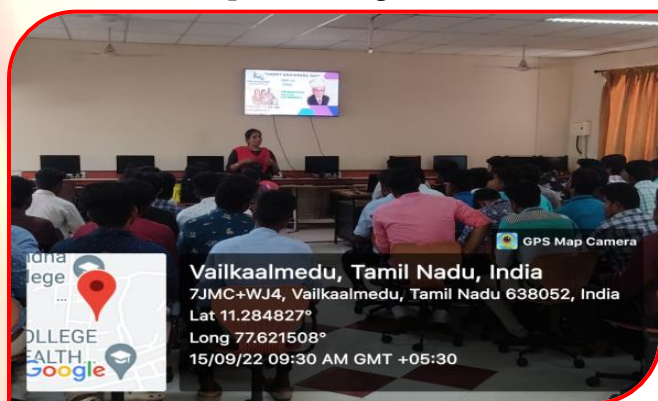
Academic Audit for the academic year 2021-22 Odd Semester is conducted with external expert Dr. D. Jegadeeswaran, Professor, Civil Engineering, Sona College of Tech., Salem on 13th August 2022.





ENGINEER'S DAY

On remembrance of *Bharat Ratna Sir. M. Visvesvaraya's birthday*, a workshop was organized with title of "Civil using Silicon" for our students of around 105 Nos. attended on 15th Sep 2022. Er.Kanimozhi Selvaraj, KANI CAD SOLUTIONS, Tirupur gave brief session about the application of softwares such as AutoCAD, Autodesk Revit, STADD.Pro. And she also explained about the structural elements of buildings and presented real time projects to our students. This workshop is organised to create



awareness among the students about the needs of software expectations in industries. "Mr.Drafter", a competition about drafting a plan within given duration with AutoCAD software in CABD laboratory at afternoon session, about 30 students from second, third and fourth year students are participated and certificates with memento are provided for the best performer.

NEWS LETTER

Fourteenth issue of our Department Newsletter for the AY 2021-22 is released by our Principal on 28th September 2022.



WORKSHOP

ICI-NEC was organized Two Days Workshop on "Creation of Plan and Elevation" on 08th and 09th October 2022. Er. Bhuvaneshwari Madhesh ME (Structures), Project Designer, Clifton Infrastructure, Erode has an resource person. Expert rendered his expertise to



all Modules of AutoCAD on effective use of subjective knowledge. Workshop was started at 09:30 am with introductory speech by Dr E.K. Mohanraj, Dean - Civil Engg. and session was hand over to speaker Er. Bhuvaneshwari Madhesh, she is willingly in association with so many institutions for creating awareness regarding importance of Drafting and Modelling using latest Civil Engineering structural software's. The review of the workshop, more than 90% of the students gave excellent feedback about the





workshop and they are willing to work to take more interest in the workshop. In Industry ready scenario the extra skills are require for getting good placement so that software knowledge is most important factor of industry.

WORKSHOP

ICI-NEC along with Centre for Value Added Courses arranged the Two Days' Workshop on "Total Station" on 12th and 13th Nov 2022. Er.T. Sri Vishnu, VS Survey Consultants,



Coimbatore as a resource person. Expert rendered his expertise to all Modules of Total Station on effective use of subjective knowledge. Workshop was started at 09:30 am with introductory speech by Dr E. K. Mohanraj, Dean - Civil Engg and session was hand over to speaker Er.T. Sri Vishnu, he is willingly in association with so many institutions for creating awareness regarding importance of total station using latest Civil Engineering software's. In Industry ready scenario the extra skills are require for getting good placement so that survey knowledge in the field of total station is most important factor of industry.

LOCAL VISIT

One Day local visit has been arranged for our I Year students @ *Tex Valley* on 17th Nov 2022.



LOCAL VISIT

ICI - NEC organized a Local Visit on 18th Nov 2022, in which I yr 52 students and two faculty members visited the *Bhavanisagar Dam*. It is located in Erode District, Tamil Nadu. It was constructed on the Bhavani River. It is one of the world's largest earthen dams. The local visit was planned to understand the multipurpose river valley project, its



components and important features and current status of ongoing activities on the site. The journey to the project site started in the morning around 9 am by a college bus. Students visited the dam site viewpoints, River Bed Power House, Top of the dam, Canal Head Power house. The dam is 8 km long by 40 m high. The full reservoir level is 37 m and the dam has a capacity of $930 \times 10^6 \text{ m}^3$. They got an opportunity to understand the dimensions and functions of various components of the dam.





MoU

MoU has been signed between CADD Centre and NEC on 23rd Nov 2022.



WORKSHOP

Sketch kit, a workshop about Trimble Sketch up, modelling software widely used worldwide by Civil Engineers and Architects.



This is taken by Erode CADD Centre, Erode on 23rd Nov 2022 at CABD Laboratory, NEC. They thought about the usage of tools in sketch up software and made a demo project for our better understanding. This is organized as a full day event after inaugural function i.e., from 11 am onwards. This workshop is conducted in two sessions. Our Principal visited this workshop on afternoon session. About 150 members participated in this workshop which includes 7 members are external college participants and 10 from other department of NEC. A kit includes File, Notepad and pen is distributed for all the participants who attended this workshop.

LOCAL VISIT

ICI - NEC organized a Local Visit on 05th Dec 2022, in which III Yr 52 students and two faculty members visited the *Bhavanisagar Dam*. It is located in Erode District, Tamil Nadu. It was constructed on the Bhavani River. It is one of the world's largest earthen dams. The local visit was planned to understand the multipurpose river valley project, its components and important features and current status of ongoing activities on the site. The journey to the project site started in the



morning around 9 am by a college bus. Students visited the dam site viewpoints, River Bed Power House, Top of the dam, Canal Head Power house. The dam is 8 km long by 40 m high. They got an opportunity to understand the dimensions and functions of various components of the dam.

PAC MEETING

- *PAC meeting* has been arranged for our Civil Engg. Department on 16th Dec 2022.



**NATIONAL MATHEMATICS DAY**

- On the mark of *National Mathematics Day*, the events Mathematics Quiz and Sudoku were conducted in our department on 22nd Dec 2022.

**LOCAL VISIT**

One Day local visit has been arranged for I Year students for the “*Build Expo*” at Thindal, Erode on 23rd December 2022.

**SKILL UPGRADATION - FACULTY MEMBERS**

- Mr. V. Aravind, AP has mentored the team future makers that participated in the innoWAH! Innovation Challenge Competition 2021-22.
- Mr.KU.Manikandhan, AP has successfully performed the duties as an “innoWAH Co-ordinator”.

- Mrs. K. Selvi, Mr. T. Bragadeeswaran, Mr.K.C. Denesh, and Mr. K. L. Ravisankar, APs attended “Naan Mudhalvan Program” conducted by TN Skill Development Corporation @ PSG College of Tech., CBE from 19th to 22nd September 2022.



- Mr. T. Bragadeswaran, AP has attended One Day Workshop on “Development of Eco-Friendly Cement Free Construction Block” organized by Sona College of Tech., Salem on 22nd Sep 2022.
- Mr. K. L. Ravisankar, AP has attended seminar on “Newly Abandoned Railway Station from Substructure to Superstructure” on 29th October 2022.



- NPTEL Online Certification course has been completed by Dr. M. Mythili, Mrs.R.Amutha, and Mrs. J. Amutha Prabha during Aug-Oct 2022 session.





- Mr. T. Bragadeeswaran, AP has attended National Seminar on “Effective Implementation of NEP Multi-Disciplinary Education and Strategies” organized by Sri Sairam College of Engineering, Bengaluru from 10th to 12th November 2022.
- Mr. T. Bragadeeswaran, AP has participated in five days Online FDP on “Sustainable Development with Innovations in Civil Engineering” from 21.11.2022 to 25.11.2022 at Velammal College of Engineering and Technology.



- Mrs. K. Selvi, AP has participated in online guest lecture titled “Special Concretes” organized by IC-ACI on 09th Dec 2022.



- Consultancy Work has been done by Mr.K.L.Ravisankar with (NDT)-Rebound Hammer to Marico Ltd at SIPCOT Perundurai on 29th November 2022.





- Dr. E. K. Mohanraj, Dean & Mr. K. L. Ravisankar, AP has published a research paper in *Revista Materia Journal* (Listed in Anna University Annexure I) during Dec 2022.

REVISTAMATÉRIA

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V.27 N.02

Utilization of industrial waste materials in concrete-filled steel tubular columns

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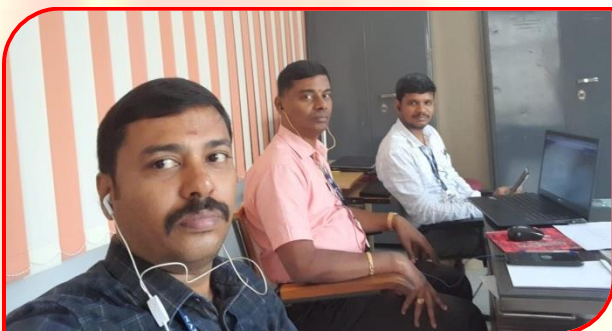
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- Mrs. K. Selvi, AP has participated in one day PoSH Awareness Programme held on 21st Dec 2022 at Anna University Regional Campus, Coimbatore.



- Dr. E. K. Mohanraj, Dr. E. K. Vellingiriraj, Mr. K. L. Ravisankar has successfully completed online presentation on 26th Dec 2022 for *DST Project Proposal* of worth Rs 26.59 Lakhs which is shortlisted in the first level of scrutiny.



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

- V.Gokulan, I Year has secured First Place in Project Presentation and got Second Prize in Paper Presentation held at Nandha College of Technology, Erode on 1st June 2022.



- S. Aravinth, V. Gokulan and S. Premkumar of I Year Civil has secured First Prize in Project Presentation and got Second Prize in paper presentation held at Al-Ameen Engineering College on 15th June 2022.



- Civil Engineering Department has got Runner up Trophy during Rhythm 2022 on 17th June 2022.





- S.Aravinth, S.Logesh of I Yr has secured Third Prize in volley ball tournament.



- An Awareness Program on “Management and e-Services of Computer Land records” on 30th June 2022.



- II, III & IV students have visited “Medical College & Hospital Site” for local visit on 08th July 2022 to get exposure about the construction techniques.



- S. Ilavarasan, S. Salamon Raja and P. Ragavendhran of Final Year have secured 4th Place in Kabaddi Tournament held at Kodumudi, Erode on 10th July 2022.
- Moovalur Ramamirtham Ammaiyar Higher Education Scheme has been applied for 3 students.

- NEC Khabadi team has won First Prize in open Khabadi Tournament on 17th July 2022 at Chennimalai.



- Bridge Course for Second Year (Lateral Entry) students was conducted from 19th to 27th July 2022.
- S. Prem Kumar, (21CE013) got First Place, S. Dharanesh (20CEL03) and S. Suryaprakash (20CEL30) got Second Place in CAD contest and V. Gokulan, S. Prem Kumar and K. Harish got Second Place in Power Point Presentation at Jaishriram Engineering College, Tirupur on 28th September 2022.



- S. Dharanesh (20CEL03) of III Year has won Second Prize in short film contest at Hindustan Institute of Technology, Coimbatore on 29th September 2022.





- 16 Nos. of our students attending the Annual Techno-Management Knowledge carnival of VIT, "graVITas 22" @ VIT, Vellore from 30th Sep to 2nd Oct 2022.



- Gokulan V and PremKumar S, II Year had won First Prize in paper presentation held at Velalar College of Engineering and Technology, Thindal on 8th October 2022.



- S.Aravinth, II Year student had won First prize in "Under19 District Volleyball Tournament" held at Bharathi Educational Institutions, Namakkal Dist.



- S.Sasidharan, III Year had won First Prize in Paper Presentation & CAD Modelling S.Dharanesh, III Yr had won Second Prize with Rs.2000 Cash Prize in Short Film Contest held at ESEC on 20th Oct 2022.



- S. Gopinath, III Year and NEC Volleyball team has participated in Volleyball Championship Tournament and won Second Prize held at Vijayamangalam, Erode Dist.



- Intercollege Volleyball Tournament was conducted and secured Runner up position conducted by Prasanth Brothers, Kaamadhenu College, Sathy on 5th Nov 2022.





- S.Aravinth, II Year student had won Third prize in “Under19 Volleyball Tournament” held at Attur, Salem District.
- I Year classes will commence on 1st Nov 2022. The students of II & III year welcomed the juniors. Dean and Faculty Members have interacted with I Year students.



- 7 Nos. of III Year students have attended the seminar on “Indian Metro Rail Track Maintenance Practices and Safety” at Kongu Engineering College, Perundurai on 11th Nov 2022.



- S.Aravinth and E.Logesh, II Year had secured Third Prize in Under 19 Volleyball Tournament held at Surya Engineering College on 12th Nov 2022.



- The students of Civil Engineering have received First Prize in All India Students Concrete Cube Test competition organized by India Chapter of ACI.



- NEC Volleyball team has won Anna University Zone XII Volleyball tournament held at K S Rangasamy College of Technology on 23rd Nov 2022.
- P.Venkatesh, III year had attended seminar on “Design Aspects of High Rise Buildings” conducted by Structural Engineers Association, Coimbatore on 16th Dec 2022.



- 11 No's of our students has won All India Students' Concrete Cube Test Competition organized by IC-ACI, Mumbai and got cash prize of Rs. 10,000 with plaques and certificates.





- P.Venkatesh (2020-24), S.Kirbhanand (2019-23), S.Santhosh (2019-23) had received the merit scholarship and academic topper awards with a cash prize of Rs 15,000 each from IC-ACI.

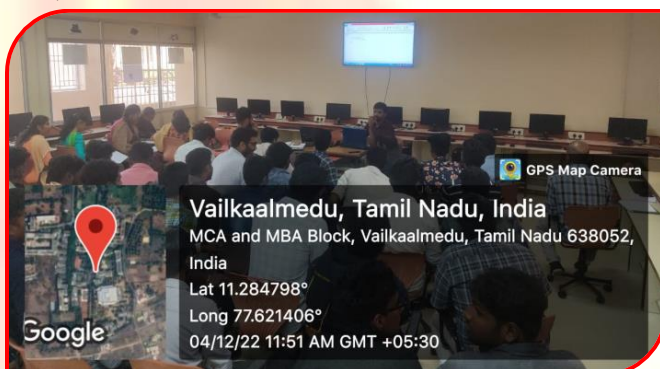


- M.Mohammad Rafeek has got Top 20 spot in Perundurai Marathon 2022 and received a medal on 27th December 2022.



VALUE ADDED COURSE

- Value Added Course on Estimation and Quantity Surveying using Excel has been conducted for our students during 03rd, 04th, 10th & 11th Dec 2022.



PALS

- PALS had appreciated "Nandha Engineering College" for their valuable contribution towards various activities during the AY 2021-22 on 8th July 2022.



- S.Vasanthakumar, S.Devashree, P.Venkatesh and J. Ritheha from II year has participated in the project title of Versatile Wall Plastering Equipment in innoWAH! Pitch Your Point Competition 2021-22 Innovation Challenge Competition organised by PALS, Chennai.
- Mr. K. U.Mani Kandhan, AP has successfully performed the duties as an innoWAH Co-ordinator and fulfilled the completion criteria for the FDP on Leadership and Administration conducted by PALS during the academic year 2021-22.

INTERNSHIP

- Ravikant Prajapati of III Year has successfully completing internship from 13.09.2021 to 08.04.2022 under the guidance of IIT Alumni Champions from PALS.





- K. Baskar and S. Shreenath, Final Year students has been selected for internship at RPP Infra Projects (P) Ltd, Erode from 10.07.2022 onwards.

AWARDS / ACHIEVEMENTS

- Dr. E. K. Mohanraj has received *Certificate of Appreciation* for his instrumental role as SPOC from SWAYAM-NPTEL Local Chapter based on Performance and Participation of candidates for the Jan-Apr 2022 Semester.



- Er.T. Prabhu (2010-14), Alumni has joined in *Public Works Department (WRO) as Junior Drafting Officer* through TNPSC Combined Engineering Subordinate Services Examinations - 2021.
- Er. N. Dinesh Kumaran (2011-15), Er. K. Nagaraj (2011-15) and Er. G. Kaleeswaran (2009-13), Alumni has joined in *Public Works Department (WRO) & Highways Department as Assistant Engineer* through TNPSC Combined Engineering Services Examinations - 2019.
- E. Malarvizhi, Alumni UG (2015-19) & PG (2019-21) had successfully cleared IBPS

Examination and got posting at Indian Bank, Rayapalayam Branch, Salem District.

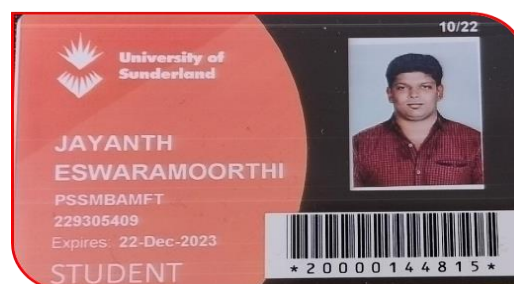


- Our College received the "*Best Chapter Award 2022*" from Erode District Civil Engineers Association on the mark of Engineer's Day on 24th September 2022.



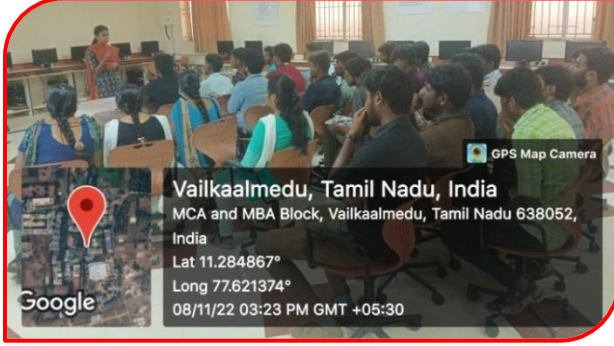
ALUMNI CORNER

- Er. P. Sivaraj, Alumni (2012-16), *Teemage Precast in @ New Delhi* has interacted and gave valuable inputs to our III Yr students on 29th Sep 2022.
- Er.E.Jayanth, Alumni (2015-19) has joined higher studies MS @ "*University of Sunderland*", England.





- Er.S.Abinaya, Alumni (2018-22), working as an Interior Designer in Homelane Interiors, Tirupur interacted with our IV Yr students on 08th Nov 2022.



PARENTS MEETING

- Parents meeting for II Year and III Year were conducted to intimate the CAT Performance and End Semester Results of the students on 02nd Dec 2022.



Events @ News Papers

நந்தா பொறியியல் கல்லூரியில் கட்டுமான மென்பொருள் பயிற்சிப்பட்டறை

ஈரோடு, செப். 24-

நந்தா பொறியியல் கல்லூரியின் கட்டுமான பொறியியல் துறையின் சார்பில் பொறியாளர் தினத்தை முன்னிட்டு கட்டுமான துறைகளில் பயன்படுத்தப்பட்டு வரும் சிறந்த மென்பொருள்களின் செயல்பாடுகள் பற்றிய ஒரு நான் பயிற்சி பட்டறை ஏற்பாடு செய்யப்பட்டிருந்தது.

நந்தா கல்வி அறக்கட்டளையின் தலைவர் சண்முகன் தலைமையில் நடைபெற்ற இப்பயிற்சிப் பட்டறையில் திருப்பூரில் செயல்பட்டு வரும் கனி காட் செலுஸ்சன் நிறுவனத்தின் கட்டுமான பொறியாளர் கனிமொழி செல்வராஜ் சிறப்பு விருந்தினராக கலந்து கொண்டார்.

கல்லூரி முதல்வர் ரெங்கராஜன் இப்பயிற்சிப் பட்டறையில் கலந்து கொண்ட சிறப்பு விருந்தினர் மற்றும் மாணவர்களை வரவேற்றும், பொறியாளர் தினத்தினை மேற்கோள்



காட்டி வாழ்த்தியும் பேசினார்.

நிகழ்வின் முடிவில் குறிப்பிட்ட காலத்தில் மென்பொருள்களின் வாயிலாக கட்டுமான திட்டங்களை வரையறுப்பதில் போட்டிகள் நடத்தப்பட்டன. இதில் வெற்றி பெற்ற மாணவர்களுக்கு கட்டுமான பொறியியல் துறையின் புலமுதல்வர் மோகன்ராஜ் பரிசுகளை வழங்கி தனது பாராட்டுகளைத் தெரிவித்தார்.

இப்பயிற்சிப்பட்டறையை ஏற்பாடு செய்திருந்த ஆசிரியர்கள் மற்றும் மாணவர்களை அறக்கட்டளையின் செயலர் எஸ்.நந்தகுமார் பிரதீப், நந்தா கல்வி நிறுவனங்களின் செயலர் எஸ்.திருமூர்த்தி, முதன்மை நிர்வாக அதிகாரி எஸ்.ஆறுமுகம் மற்றும் நந்தா தொழில்நுட்ப வளாகத்தின் இயக்குனர் ஜே.செந்தில் ஆகியோர் தங்களது வாழ்த்துகளைத் தெரிவித்தார்கள்.

Engineers Day celebrated

ERODE SEPT 22:

The Civil Engineering Department of Nandha Engineering College celebrated Engineers Day, by inviting civil engineer Kanimozhi Selvaraj of Kani CAD Solution, Tirupur. In a workshop on new software in civil engineering, she spoke on various softwares and distributed prizes to students. College president V Shanmugan, secretaries S Nandakumar, S Thirumurthy, principal N Rangarajan, and Dean Dr EK Mohanraj attended.





NANDHA ENGINEERING COLLEGE

(An Autonomous Institution Affiliated to Anna University, Chennai & Accredited by NAAC A+ Grade)

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