



# Kongunadu

College of Engineering & Technology  
[Autonomous]

(Approved by AICTE, New Delhi & Affiliated to Anna University, Chennai, Accredited by NBA(CSE,ECE,EEE),  
Accredited by NAAC with B++ Grade, Recognized by UGC with 2(f) & 12(B) and ISO 9001:2015 Certified Institution)

Namakkal - Trichy Main Road, Tholurpatti (P.O.), Thottiyam (TK), Trichy (Dt.) - 621 215.

## DEPARTMENT OF CIVIL ENGINEERING



### VISION

- To be recognized globally pre - eminence in Civil Engineering education, research and social service

### MISSION

- To produce well reformed graduates with engineering skills for professional practice, advanced study and research through state of art infrastructure facilities and adopting innovative teaching methods.

- To inculcate professional and ethical responsibilities related to industry, society and environment.

- To interact with industries and address issues related to infrastructure, public health and environmental protection for sustainable development.

### Chairman's Message



As the Chairman of Kongunadu Educational Institutions, I look back with enormous sense of pride, the amazing progress that our institution has made within a short span of time. This would not have been possible without

the invaluable support and contribution of the faculty members, students, parents and my well-wishers. I strongly believe that serious, sincere and systematic services, surely

secure supreme success. You think about it and you realize, it is not so simple. In Fact, it decides the course of your life, rather it can make or break your life.

Whatever your parents have dreamt, whatever your teachers have taught, whatever you have comprehended from your surroundings, you ought to incorporate them in your life. Do not forget your goal. You are here to get educated, to make a career, and most important of all, to make yourself a wholesome human being. Remember, you are the ambassadors of your home, your family, your college and your country.

We do not create just sensible intellectuals, but mould our students as perfect and noble men and women. We instill the values of life, morals and ethics in them and let them emerge as successful citizens, which makes our Institutions unique. We would be grateful if the viewers could keep them in their minds.

### Principal's Message



A life of joy and happiness is possible only on the basis of knowledge and science says Dr.Sarvepalli Radhakrishnan. Education is important for every individual in a nation. Technical Education vital role in the development of any country.

Kongunadu College of Engineering and Technology (KNCET) was established in the year 2007. KNCET is providing an excellent quality of education and mentoring for the students aspiring to be competent professionals in Engineering and Technology. The College has well qualified, experienced and dedicated faculty members and supporting staff, State of the

Art - Laboratory and workshop facilities, Computer facilities, Library, Air Conditioned Seminar Halls, Open Auditorium, Indoor Stadium, Amphi Theatre and Hostel facilities.

The College has a separate Cell called Campus to Corporate. This Cell organizes several training programs related to development of Life Skills such as Language Communication Skills and Technical Skills to our students. Our efforts are directed to accommodate the expectations of every student by the way of enabling them to participate in seminars, workshops, conferences, value added courses, in plant training and industrial project works.

We believe that discipline, honesty and hard work together structures the ladder of success. With this vision, we inculcate these attributes in our students to make them successful in their lives.

### ✿ Seminar / Webinars organized

Two days online webinar on 'Futuristic Trends in Civil Engineering' was organized on 20<sup>th</sup> December, 2021 & 21<sup>st</sup> December, 2021.

The resource persons are:

Dr.R.Gandhimathi, Professor, Department of Civil Engineering, National Institute of Technology, Trichy.

Dr.M.N.Stalin, Professor, Department of Civil Engineering, Anna University, Trichy.

Dr.R.K.C.Jeyakumar, Assistant Professor, Department of Civil Engineering, Thiagarajar College of Engineering, Madurai.

Dr.P.Jagadesh, Assistant Professor, Department of Civil Engineering, Coimbatore Institute of Technology, Coimbatore.



One day online webinar on 'Awareness Program on Intellectual Property Rights (IPR)' was organized on 20<sup>th</sup> January, 2022. The resource person was Mr.M.Madhanraj, Examiner of Patents & Designs Intellectual Property Office, Government of India.

One day online webinar on 'Burning ICE: Gas Hydrates the Energy Source for the 21<sup>st</sup> Century' was organized on 02<sup>nd</sup> March, 2022. The resource person was Dr.Jeevan Joseph, Assistant Professor, Department of Civil Engineering, National Institute of Technology, Trichy.

One day Guest Lecture on 'Technical Talk on Conventional Concrete - Durability' was organized on 12<sup>th</sup> April, 2022. The resource person was Mr.B.Suresh, General Manager, Technical Services, Chettinad Cement, Chennai.

One day online webinar on '3R Concept in Water Conservation and Management' was organized on 13<sup>th</sup> April, 2022. The resource person was Dr.R.Viji, Assistant Professor, Department of Civil Engineering, BIT Campus, Trichy.

One day online webinar on 'Stop Pollution, Start Prevention' was organized on 22<sup>nd</sup> April, 2022. The resource person was Dr.J.Thirumal, Assistant Professor & Head, Department of Civil Engineering, Anna University, Regional Campus, Tirunelveli.

One day online webinar on 'Green Building Components and Concepts' was organized on 26<sup>th</sup> April, 2022. The resource person was Dr.K.Akil, Professor & Head, Department of Civil Engineering, Hindusthan College of Engineering and Technology, Coimbatore.

One day online webinar on 'Importance in Constructions Safety' was organized on 04<sup>th</sup> May, 2022. The resource person was Dr.M.Soundararajan, Assistant Professor, Department of Civil Engineering, Sona College of Technology, Salem.

One day seminar on 'Concrete Structures' was organized on 21<sup>st</sup> May 2022. The resource person was Dr.G.Velraj Kumar, Professor, Department of Civil Engineering, Eswari Engineering College, Chennai.

### ✿ Faculty Publications in International Conference

Kavipriya S, Jeyanth B & Iniya M.P "Review on Geo-polymer Concrete Paver Blocks", National Conference on Sustainable Materials and Smart Practices (NCSMSP'21), at Bannari Amman Institute of Technology, Sathayamangalam, 17<sup>th</sup> to 18<sup>th</sup> December 2021.

Kavipriya S & Deepanraj C G "Removal of Synthetic Dye in Aqueous Solution using Low Cost Agricultural by product - Banana Trunk (Musa Acuminate)" 1<sup>st</sup> International Conference on Materials, Energy and Mechanical Engineering (ICME2-2021), at Madanapalle Institute of Technology & Science, Madanapalle, 17<sup>th</sup> to 18<sup>th</sup> December 2021.

Indhu M P, Krishnamoorthi S, Iniya M P, Shanmugapriya T & Sanjeevi S "Experimental Investigation on Properties of Herbocrete by using Terminalia Chebula (Kaddukai)", National Conference on Sustainable Materials and Smart Practices (NCSMSP'21), at Bannari Amman Institute of Technology, Sathayamangalam, 17<sup>th</sup> to 18<sup>th</sup> December 2021.

Iniya M P, Nirmalkumar K, Indhu M P, Vani K & Sonalee S "Experimental Investigation on Properties and Applications of Foamed Concrete using Polypropylene Fibres and Recycled Aggregate", National Conference on Sustainable Materials and Smart Practices (NCSMSP'21), at Bannari Amman Institute of Technology, Sathayamangalam, 17<sup>th</sup> to 18<sup>th</sup> December 2021.

Anbarasi K, Southamirajan S, Riyaz S & Harini M K "Healing of Scullery Water by using Aloe Barbadensis Miller Jel and Moringa Olifera Seed as Adsorbent", National Conference on Sustainable Materials and Smart Practices (NCSMSP'21), at Bannari Amman Institute of Technology, Sathayamangalam, 17<sup>th</sup> to 18<sup>th</sup> December 2021.

Sakthivel M, Southamirajan S, Elango K & Senthilkumar S "Studies on Preservation of Natural Resources by Utilizing Textile Effluent Treatment Sludge in the Manufacturing of Construction Materials", National Conference on Sustainable Materials and Smart Practices (NCSMSP'21), at Bannari Amman Institute of Technology, Sathayamangalam, 17<sup>th</sup> to 18<sup>th</sup> December 2021.

Kanaka P, Samruda S, Deepika S & Akshaya RA "Mechanical Properties of Concrete using Oyster Shells as Coarse Aggregate", National Conference on Sustainable Materials and Smart Practices (NCSMSP'21), at Bannari Amman Institute of Technology, Sathayamangalam, 17<sup>th</sup> to 18<sup>th</sup> December 2021.

Anbarasi K, Indhu MP, Iniya MP, Devaki S & Riyaz S "Healing of Scullery Water by using Aloe Barbadensis Miller Jel and Moringa Olifera Seed as Adsorbent", International Conference on Sustainable Practices and Advancements in Civil Engineering - 2022, at PSG Institute of Technology and Applied Research, Coimbatore, 11<sup>th</sup> to 12<sup>th</sup> March 2022.

Sakthivel M, "An Experimental Investigation on Sustainable Concrete Blended with Fly-ash and Recycled Concrete Aggregate", International Conference on Smart Technologies and Applications - 2022 (ICSTA 2022), at Ramco Institute of Technology, Virudhunagar, 11<sup>th</sup> to 12<sup>th</sup> March 2022.

Southamirajan S "Microbial Catalytic Influence and Efficacy of Bacteria as a Self-Healing and Strengthening Agent in Bio Concrete - A Review", International Conference on Emerging Research Trends in Structural Engineering (ERTSE2022), at Vellore Institute of Technology, Chennai, 24<sup>th</sup> to 25<sup>th</sup> March 2022.

Southamirajan S & Senthilkumar S "An Absolute Review on Strengthening of Scorched Concrete by Means of Bio Influenced Self-Medicating Mechanism", International E-Conference on Novel Innovations and Sustainable Development in Civil Engineering (NISDCE'22), at Vel Tech Rangarajan Dr.Sagunthala R&D Institute of Science and Technology, Chennai, 31<sup>st</sup> March & 1<sup>st</sup> April, 2022.

Dhavashankaran D, Vignesh S & Poovizhiselvi M "Extraction of Sodium Sulphate in Agitated Thin Film Dryer Salt and Reuse of Glauber Salt in Dyeing Processing", International Conference on Multidisciplinary Research in Engineering, Science, Management, Humanities and Education, at Vedic Gurukul Institute of Engineering and Technology (VGIET), Sanganer, Jaipur, Rajasthan, 07<sup>th</sup> to 08<sup>th</sup> May 2022.

Sithar B, Arunprasad J, Ramkumar S & Anukarthika B "Waste Water Treatment and Energy Reaping from Distillery Waste using Bio Electrochemical System (BES)", International Conference on Multidisciplinary Research in Engineering, Science, Management, Humanities and Education, at Vedic Gurukul Institute of Engineering and Technology (VGIET), Sanganer, Jaipur, Rajasthan, 07<sup>th</sup> to 08<sup>th</sup> May 2022.

Anupriyanka B, Gopalakrishnan K M, Anbarasi K & Rohini C "Investigation of Dyeing Wastewater and Optimization using Sawdust as Adsorbent", International Conference on Multidisciplinary Research in Engineering, Science, Management, Humanities and Education, at Vedic Gurukul Institute of Engineering and Technology (VGIET), Sanganer, Jaipur, Rajasthan, 07<sup>th</sup> to 08<sup>th</sup> May 2022.

Manufacturing and Simulation (AMMS 2.0), Bannari Amman Institute of Technology, Sathayamangalam, 6<sup>th</sup> to 7<sup>th</sup> August 2021.

### Paper Presented & Programme attended by the Staff

Mr.M.Vijay, AP, Mr.M.Sakthivel, AP, of Civil Engineering department attended Webinar on 'Dredging and Reclamation - A promising Industry & Career Choice' held at Dr. NGP Institute of Technology, Coimbatore on 09<sup>th</sup> June 2021.

Mr.M.Vijay, AP, of Civil Engineering department attended Webinar on 'Project Ideas for Civil Engineers' held at Sri Ranganathar Institute of Engineering and Technology, Chennai on 15<sup>th</sup> June 2021.

Mr.M.Vijay, AP, of Civil Engineering department attended Webinar on 'Water and Wastewater Treatment Technologies' held at Dr. NGP Institute of Technology, Coimbatore on 12<sup>th</sup> June 2021.

Mr.M.Vijay, AP, of Civil Engineering department attended Webinar on 'Awareness about startup and related ecosystems' held at SCAD College of Engineering and Technology, Tirunelveli on 12<sup>th</sup> June 2021.

Mr.S.Southamirajan, AP, of Civil Engineering department attended Webinar on 'A review on Advancements in Special Concrete' held at Balaji Institute of Technology and Science, Telangana on 19<sup>th</sup> June 2021.

Mr.S.Southamirajan, AP, of Civil Engineering department attended Webinar on 'Disaster Management in India: Many a Slip between the Cup and The Sip' held at Acharya Brojendra Nath Seal College, Behar on 30<sup>th</sup> June 2021.

Mr.S.Southamirajan, AP, of Civil Engineering department attended Webinar on 'Intellectual Property Rights (IPR) and Patenting: An Overview and Implications in Engineering Field' held at Dr Daulatya Rao Aher College of Engineering, Karad on 30<sup>th</sup> June 2021.

- Online webinar on 'Structural Audit, Repair, Rehabilitation & Retrofitting of Buildings: Process & Methodologies' organized by Ultratech Cement Ltd on 29<sup>th</sup> January, 2022.

- Online webinar on 'Sustainable Materials for Construction: Opportunities & Challenges' organized by Ultratech Cement Ltd on 05<sup>th</sup> February, 2022.

- Online webinar on 'Innovation & Entrepreneurship' organized by Sri Venkateswara College of Engineering, Chennai on 10<sup>th</sup> February, 2022.

- Online webinar on 'Climate Change & Energy Management' organized by Swarnandhra College of Engineering & Technology, Andhra Pradesh on 19<sup>th</sup> February, 2022.

- Online workshop on 'Current Trends in Construction Practices' organized by Koneru Lakshmaiah Education Foundation, Andhra Pradesh from 21<sup>st</sup> February, 2022 to 25<sup>th</sup> February, 2022.

Mr.S.Southamirajan, AP of Civil Engineering Department attended,

- Online webinar on 'Application of Vehicle Loads on Bridges as per IRC Standards' organized by Bentley Institute on 18<sup>th</sup> January, 2022.

- Online webinar on 'Geometric Design of Roadways as per IRC Specifications' organized by Bentley Institute on 18<sup>th</sup> January, 2022.

- Online webinar on 'Watershed Management' organized by B.R.Harne College of Engineering & Technology, Vangani on 21<sup>st</sup> January, 2022.

- Online webinar on 'Making Good Concrete- Better' organized by Indian Concrete Institute, (ICI), Salem Centre on 02<sup>nd</sup> February, 2022.

- Online webinar on 'Innovative Trends in Public Relations to Introduce and Promote Products' organized by Sathyabama Institute of Science and Technology, Chennai on 02<sup>nd</sup> February, 2022.

- Online webinar on 'Basics of Cost Estimation and Cost Analysis of Building' organized by Poornima College of Engineering, Jaipur on 09<sup>th</sup> February, 2022.

- Online webinar on 'Innovation & Entrepreneurship' organized by Sri Venkateswara College of Engineering, Chennai on 10<sup>th</sup> February, 2022.

Mr.M.Sakthivel, AP of Civil Engineering Department attended,

- Online webinar on 'Youth and Sustainable Development' organized by Presidency University, Bangalore on 12<sup>th</sup> January, 2022.

- Online webinar on 'Innovation & Entrepreneurship' organized by Sri Venkateswara College of Engineering, Chennai on 10<sup>th</sup> February, 2022.

Ms.P.Kanaka, AP of Civil Engineering Department attended,

- Workshop on 'Revit - 3D Estimation' organized by Bannari Amman Institute of Technology, Erode from 10<sup>th</sup> January, 2022 to 15<sup>th</sup> January, 2022.

- Online webinar on 'Youth and Sustainable Development' organized by Presidency University, Bangalore on 12<sup>th</sup> January, 2022.

- Online webinar on 'National Intellectual Property Awareness Mission' organized by Intellectual Property Office, India on 20<sup>th</sup> January, 2022.

- Online webinar on 'Innovation & Entrepreneurship' organized by Sri Venkateswara College of Engineering, Chennai on 10<sup>th</sup> February, 2022.

- Online webinar on 'World Day of Social Justice' organized by International Council for Education, Research and Training (ICERT) on 19<sup>th</sup> February, 2022.

- Online webinar on 'Design & Construction of Steel Structure' organized by Vivekananda Institute of Technology, Bangalore from 06<sup>th</sup> June, 2022 to 10<sup>th</sup> June, 2022.

Mr.D.Dhavashankaran, AP of Civil Engineering Department attended,

- Online webinar on 'Innovation & Entrepreneurship' organized by Sri Venkateswara College of Engineering, Chennai on 10<sup>th</sup> February, 2022.

Mr.C.Kannan, AP of Civil Engineering Department attended,

- Online webinar on 'National Intellectual Property Awareness Mission' organized by Intellectual Property Office, India on 20<sup>th</sup> January, 2022.

Mr.S.Gowtham, AP of Civil Engineering Department attended,

- Online webinar on 'National Intellectual Property Awareness Mission' organized by Intellectual Property Office, India on 20<sup>th</sup> January, 2022.

- Online webinar on 'Innovation & Entrepreneurship' organized by Sri Venkateswara College of Engineering, Chennai on 10<sup>th</sup> February, 2022.

Ms.M.P.Indhu, AP of Civil Engineering Department attended,

- Online webinar on 'National Intellectual Property Awareness Mission' organized by Intellectual Property Office, India on 20<sup>th</sup> January, 2022.

- Online webinar on 'Structural Audit, Repair, Rehabilitation & Retrofitting of Buildings: Process & Methodologies' organized by Ultratech Cement Ltd on 29<sup>th</sup> January, 2022.

- Online webinar on 'Sustainable Materials for Construction: Opportunities & Challenges' organized by Ultratech Cement Ltd on 05<sup>th</sup> February, 2022.

Mr.S.Southamirajan, AP, of Civil Engineering department attended Webinar on 'Earthquake Resistant Structures' held at Dr. NGP Institute of Technology, Coimbatore on 30<sup>th</sup> June 2021.

Mr.S.Southamirajan, AP, of Civil Engineering department attended Webinar on 'Practical Difficulties of Concreting in the field' held at Qcrete Ready Mix (India) PVT LTD on 03<sup>rd</sup> July 2021.

Mr.S.Southamirajan, AP, of Civil Engineering department attended Webinar on 'Corrosion of Steel Reinforcement in Concrete Structures' held at Aalim Muhammed Salegh College of Engineering, Chennai on 03<sup>rd</sup> July 2021.

Mr.S.Southamirajan, AP, of Civil Engineering department attended Webinar on 'Capacity Design Concept in Seismic Design of Reinforced Concrete Buildings' held at Qcrete Ready Mix (India) PVT LTD Indian Society of Earthquake Technology, Gunter Chapter on 17<sup>th</sup> July 2021.

Loganathan P, Fathima Darras Gracy A, Sakthivel M & Abdul Rahim J "Removal of Sulphide in Tannery Wastewater by Wet Air Oxidation", International Conference on Multidisciplinary Research in Engineering, Science, Management, Humanities and Education, at Vedic Gurukul Institute of Engineering and Technology (VGIET), Sanganer, Jaipur, Rajasthan, 07<sup>th</sup> to 08<sup>th</sup> May 2022.

Rajeshkanna K, Arun Prasad J, Southamirajan S & Nithyaprakash G "Experimental Study of Removal of Chromium from Industrial Wastewater by using Cow Dung as Adsorbent", International Conference on Multidisciplinary Research in Engineering, Science, Management, Humanities and Education, at Vedic Gurukul Institute of Engineering and Technology (VGIET), Sanganer, Jaipur, Rajasthan, 07<sup>th</sup> to 08<sup>th</sup> May 2022.

Mohamed Aslam S, Fatima Daras Gracy A & Gowtham S "Assessment of Wastewater Quality Index and Exposed to Biological Treatment", International Conference on Multidisciplinary Research in Engineering, Science, Management, Humanities and Education, at Vedic Gurukul Institute of Engineering and Technology (VGIET), Sanganer, Jaipur, Rajasthan, 07<sup>th</sup> to 08<sup>th</sup> May 2022.

Indhu M P & Iniya M P "A Doubt Bipolar Fuzzy BCI-Ideals and Doubt Bipolar Fuzzy BCI-Implicative Ideals in BCI- Algebra", 2<sup>nd</sup> International Conference on Recent Trends in Engineering Technology and Management 2022, at Chirst The King Engineering College, Karaimadai, 06<sup>th</sup> to 07<sup>th</sup> May 2022.

## ✿ Faculty Publications in International Journals

Iniya M.P, Nirmalkumar K, Indhu M.P & Anbarasi K 'Experimental Investigation on the Mechanical Properties of Self Cured Blended Concrete' Design Engineering, Issue 8, ISSN: 0011 - 9342, PP 14748 - 14759, December 2021.

Iniya M.P, Nirmalkumar K & Indhu M.P 'Experimental Investigation on Properties and Applications of Foamed Concrete Using Polypropylene Fibres and Recycled Aggregate', International Journal of Special Education, Volume 37, Part 3, ISSN: 0827-3383, February 2022.

Kanaka P, Southamirajan, Elango S, Samruda K & Akshaya RA 'Mechanical Properties of Concrete Using Oyster Shells as Coarse Aggregate', Materials Research Proceedings, Volume 23, ISSN: 2474-3941, PP 83-89, April 2022.

Indhu MP, Krishnamoorthi S, Iniya MP, Shanmugapriya T & Sanjeevi A 'Experimental Investigation on Properties of Herbocrete by using Terminalia Chebula (Kaddukai)', Materials Research Proceedings, Volume 23, ISSN: 2474-3941, PP 128 - 132, April 2022.

Kavipriya S, Deepanraj CG, Iniya MP & Jeyanth B 'Geopolymer Concrete Paver Blocks: A Review', Materials Research Proceedings, Volume 23, ISSN: 2474-3941, PP 284 - 289, April 2022.

Mohamed Aslam S, Fatima Daras Gracy A & Gowtham S 'Assessment of Wastewater Quality Index and Exposed to Biological Treatment', International Journal of Mechanical Engineering, Volume 7, No.4, ISSN: 0974-5823, PP 1300 - 1309, April 2022.

Loganathan P, Fathima Darras Gracy A, Sakthivel M & Abdul Rahim J 'Removal of Sulphide in Tannery Wastewater by Wet Air Oxidation', International Journal of Mechanical Engineering, Volume 7, No.4, ISSN: 0974-5823, PP 1742 - 1747, April 2022.

Rajeshkanna K, Arun Prasad J, Southamirajan S & Nithyaprakash G 'Experimental Study of Removal of Chromium from Industrial Wastewater by Using Cow Dung as Adsorbent', International Journal of Mechanical Engineering, Volume 7, No.4, ISSN: 0974-5823, PP 1748 - 1754, April 2022.

Anupriyanka B, Gopalakrishnan K M, Anbarasi K & Rohini C 'Investigation of Dyeing Wastewater and Optimization using Sawdust as Absorbent', International Journal of Special Education, Volume 37, No.3s, ISSN: 0827 - 3383, PP 1149 - 1163, April 2022.

Vignesh S, Krishnasamy R, Dhavashankaran D & Poovizhiselvi M 'Extraction of Sodium Sulphate in Agitated Thin Film Dryer Salt and Reuses of Glauber Salt in Dyeing Processing', International Journal of Special Education, Volume 37, No.3s, ISSN: 0827 - 3383, PP 1173 - 1180, April 2022.

Srithar B, Arun Prasad J, Ramkumar S & Anukarthika B 'Wastewater Treatment and Energy Reaping from Distillery Waste using Bio Electrochemical System (BES), International Journal of Special Education, Volume 37, No.3s, ISSN: 0827 - 3383, PP 1164 - 1172, April 2022.

## ✿ Faculty Participation in Seminar / Workshop / Webinar

Mrs.K.Anbarasi, AP of Civil Engineering Department attended,

- Online webinar on 'National Intellectual Property Awareness Mission' organized by Intellectual Property Office, India on 20<sup>th</sup> January, 2022.

Ms.M.P.Iniya, AP of Civil Engineering Department attended,

- STTP on 'Disaster Risk Management - Phase I' organized by University College of Engineering, BIT Campus, Trichy from 29<sup>th</sup> November, 2021 to 4<sup>th</sup> December, 2021.

- STTP on 'Disaster Risk Management - Phase II' organized by University College of Engineering, BIT Campus, Trichy from 06<sup>th</sup> December, 2021 to 11<sup>th</sup> December, 2021.

- UHV on 'Inculcating Universal Human Values in Technical Education' organized by All India Council For Technical Education (AICTE) from 31<sup>st</sup> January, 2022 to 04<sup>th</sup> February, 2022.

- FDP on 'CE-8491 Soil Mechanics' organized by Centre for Faculty Development, from 03<sup>rd</sup> January, 2022 to 08<sup>th</sup> January, 2022.

Ms.M.P.Indhu, AP of Civil Engineering Department attended,

- STTP on 'Disaster Risk Management - Phase I' organized by University College of Engineering, BIT Campus, Trichy from 29<sup>th</sup> November, 2021 to 4<sup>th</sup> December, 2021.

- STTP on 'Disaster Risk Management - Phase II' organized by University College of Engineering, BIT Camus, Trichy from 06<sup>th</sup> December, 2021 to 11<sup>th</sup> December, 2021.

- FDP on 'CE-8491 Soil Mechanics' organized by Centre for Faculty Development, from 03<sup>rd</sup> January 2022, to 08<sup>th</sup> January, 2022.

- UHV on 'Inculcating Universal Human Values in Technical Education' organized by All India Council For Technical Education (AICTE) from 31<sup>st</sup> January, 2022 to 04<sup>th</sup> February, 2022.

## 🌸 Books Published

M.Sakthivel & S.Gowtham, 'Construction Techniques, Equipment's and Practice', The Charulatha Publications, Chennai, ISBN :978-93-92663-14-7, October 2021.

S.Ramkumar & P.Kanaka, 'Soil Mechanics', The Charulatha Publications, Chennai, ISBN :978-93-92663-13-0, November 2021.

C.Kannan & P.Kanaka, 'Highway Engineering', The Charulatha Publications, Chennai, ISBN :978-93-92663-08-6, November 2021.

D.Dhavashankaran & C.Kannan, 'Applied Hydraulic Engineering', The Charulatha Publications, Chennai, ISBN :978-93-90967-95-7, November 2021.

P.Kanaka, S.Southamirajan & K.Anbarasi, 'Strength of Materials-II', The Charulatha Publications, Chennai, ISBN :978-93-90967-87-2, December 2021.

## 🌸 NPTEL Courses

NPTEL Course on 'Concrete Technology' was completed by faculty during January 2022 to April 2022.

Mr.S.Southamirajan - 61 % (Elite)

Mr. S.Ramkumar - 60 % (Elite)

Ms.P.Kanaka - 58 %

## 🌸 STUDENTS CONTRIBUTION

### 🌸 NPTEL Courses

NPTEL Course on 'Concrete Technology' was completed by II year Civil Engineering students during January 2022 to April 2022.

Dharani Dharan R - 54%

Harini M.K - 52%

Jeeva Shankar V - 50%

Kokila K - 53%

Logesh R - 50%

Madhumitha M - 51%

Uthayakumaran M - 49%

Kishore R - 49%

### 🌸 Students won in competitions (Curricular / Extra Curricular Activities)

R.Barat of II year Civil Engineering department won II prize in 'Series Freak' in National level Technical Symposium organized by Civil Engineering Association of Kongu Engineering College, Perundurai on 30<sup>th</sup> March, 2022.

S.Deepika & S.Elamathi of IV year Civil Engineering department won II prize in 'Idea Fair' in National level Technical Symposium organized by Civil Engineering Association of Kongu Engineering College, Perundurai on 30<sup>th</sup> March, 2022.

S.Deepika & S.Elamathi of IV year Civil Engineering department won II prize in 'Paper presentation' in National level Technical Symposium organized by Civil Engineering Association of Kongu Engineering College, Perundurai on 30<sup>th</sup> March, 2022.

S.Elamathi of IV year Civil Engineering department won I prize in 'Cook without Fire' in National level Technical Symposium organized by Civil Engineering Association of Kongu Engineering College, Perundurai on 30<sup>th</sup> March, 2022.

V.Kamalini & K.Kokila of II year Civil Engineering department won I prize in 'Quizophile' in National level Technical Symposium organized by Civil Engineering Association of Kongu Engineering College, Perundurai on 30<sup>th</sup> March, 2022.

S.Suresh of IV year Civil Engineering department won III prize in 'AUTOCAD ON' in National level Technical Symposium organized by Civil Engineering Association of Kongu Engineering College, Perundurai on 30<sup>th</sup> March, 2022.

C.Kanishkaa of IV year Civil Engineering department won I prize in 'Electroblitz' conducted at Kongunadu College of Engineering and Technology on 18<sup>th</sup> March, 2022 & 19<sup>th</sup> March, 2022.

C.Kanishkaa of II year Civil Engineering department won I prize in '24 hours internal Hackathon' conducted by Electrical and Electronics Engineering Association at Kongunadu College of Engineering and Technology (Autonomous), Trichy, on 18<sup>th</sup> March, 2022 & 19<sup>th</sup> March, 2022.

Ms.M.P.Iniya, AP of Civil Engineering Department attended,

- Online webinar on 'National Intellectual Property Awareness Mission' organized by Intellectual Property Office, India on 20<sup>th</sup> January, 2022.

- Online webinar on 'Structural Audit, Repair, Rehabilitation & Retrofitting of Buildings: Process & Methodologies' organized by Ultratech Cement Ltd on 29<sup>th</sup>

### ✿ Faculty Participation in FDP/STTP

Dr.S.Kavipriya, Head of Civil Engineering Department attended,

- STTP on 'Disaster Risk Management - Phase I' organized by University College of Engineering, BIT Campus, Trichy from 29<sup>th</sup> November, 2021 to 04<sup>th</sup> December, 2021.

- Atal FDP on 'Aspects of Sustainable Construction Practices' organized by Government College of Engineering, Nagpur from 03<sup>rd</sup> January, 2022 to 07<sup>th</sup> January, 2022.

- Atal FDP on 'Redemption from Plastic Pollution: Indian Railways' organized by National Rail and Transportation institute, from 17<sup>th</sup> January, 2022 to 21<sup>st</sup> January, 2022.

Mr.M.Sakthivel, AP of Civil Engineering Department attended,

- Atal FDP on 'Advances in Construction Techniques' organized by BL B.L.E.A DR.P.G.Halakatti College of Engineering and Technology, from 03<sup>rd</sup> January, 2022 to 07<sup>th</sup> January, 2022.

- Seminar on 'Earthquake Resistant Engineering Structures' organized by Muthayammal College of Engineering, Rasipuram from 28<sup>th</sup> January, 2022 to 03<sup>rd</sup> February, 2022.

Mr.S.Ramkumar, AP of Civil Engineering Department attended,

- STTP on 'Disaster Risk Management - Phase II' organized by University College of Engineering, BIT Camus, Trichy from 06<sup>th</sup> December, 2021 to 11<sup>th</sup> December, 2021.

- UHV on 'Inculcating Universal Human Values in Technical Education' organized by All India Council for Technical Education (AICTE) from 31<sup>st</sup> January, 2022 to 04<sup>th</sup> February, 2022.

Mr.C.Kannan, AP of Civil Engineering Department attended,

- Atal FDP on 'Aspects of Sustainable Construction Practices' organized by Government College of Engineering, Nagpur from 03<sup>rd</sup> January, 2022 to 07<sup>th</sup> January, 2022.

- Atal FDP on 'Redemption from plastic pollution: Indian Railways' organized by National Rail and Transportation Institute, Vadodara from 17<sup>th</sup> January, 2022 to 21<sup>st</sup> January, 2022.

Mr.D.Dhavashankaran, AP of Civil Engineering Department attended,

- Seminar on 'Earthquake Resistant Engineering Structures' organized by Muthayammal College of Engineering, Rasipuram from 28<sup>th</sup> January, 2022 to 03<sup>rd</sup> February, 2022.

Ms.P.Kanaka, AP of Civil Engineering Department attended,

- STTP on 'Disaster Risk Management - Phase II' organized by University College of Engineering, BIT Camus, Trichy from 06<sup>th</sup> December, 2021 to 11<sup>th</sup> December, 2021.

- Atal FDP on 'Aspects of Sustainable Construction Practices' organized by Government College of Engineering, Nagpur from 03<sup>rd</sup> January, 2022 to 07<sup>th</sup> January, 2022.

- Atal FDP on 'Redemption from plastic pollution: Indian Railways' organized by National Rail and Transportation Institute, Vadodara from 17<sup>th</sup> January, 2022 to 21<sup>st</sup> January, 2022.

- Seminar on 'Advancements in the Field of Civil Engineering: Theory and Practice' organized by Rural Engineering College, Loni from 21<sup>st</sup> to 26<sup>th</sup> February 2022.

- Seminar on 'Recent and Emerging Trends in Structural Engineering' organized by Bansal Institute of Engineering and Technology, Lucknow from 28<sup>th</sup> February, 2022 to 05<sup>th</sup> March, 2022.

- Seminar on 'Water - A Precious Natural Resource' organized by Bansal Institute of Technology, Bangaluru from 22<sup>nd</sup> March, 2022 to 26<sup>th</sup> March, 2022.

Mr.S.Southamirajan, AP of Civil Engineering Department attended,

- STTP on 'Disaster Risk Management - Phase II' organized by University College of Engineering, BIT Camus, Trichy from 06<sup>th</sup> December, 2021 to 11<sup>th</sup> December, 2021.

- Atal FDP on 'Aspects of Sustainable Construction Practices' organized by Government College of Engineering, Nagpur from 03<sup>rd</sup> January, 2022 to 07<sup>th</sup> January, 2022.

- Atal FDP on 'Redemption from plastic pollution: Indian Railways' organized by National Rail and Transportation Institute, Vadodara from 17<sup>th</sup> January, 2022 to 21<sup>st</sup> January, 2022.

- Seminar on 'Tools for Effective Teaching' organized by Shri Hirajjal Hastimal (Jain Brothers) Polytechnic, Nashik from 24<sup>th</sup> March, 2022 to 25<sup>th</sup> March, 2022.

Mrs.K.Anbarasi, AP of Civil Engineering Department attended,

- STTP on 'Disaster Risk Management - Phase I' organized by University College of Engineering, BIT Campus, Trichy from 29<sup>th</sup> November, 2021 to 04<sup>th</sup> December, 2021.

- STTP on 'Disaster Risk Management - Phase II' organized by University College of Engineering, BIT Camus, Trichy from 06<sup>th</sup> December, 2021 to 11<sup>th</sup> December, 2021.

- FDP on 'CE-8491 Soil Mechanics' organized by Centre for Faculty Development, from 03<sup>rd</sup> January, 2022 to 08<sup>th</sup> January, 2022.

- UHV on 'Inculcating Universal Human Values in Technical Education' organized by All India Council for Technical Education (AICTE) from 31<sup>st</sup> January, 2022 to 04<sup>th</sup> February, 2022.

## ✿ Mini project

R.Sudhikshan, K.Thameshwaran & K.Venkatsrieswar of III year Civil Engineering department won I prize in Mini Project with cash prize of Rs.1000/- for the project title "NEUOROPHILE", conducted in our department.



Certificate distribution for winners

K.Nishanth, S.Nishanth & A.Sanjeev of III year Civil Engineering department won II prize in Mini Project with cash prize of Rs.750/- for the project title "PLASTIC CONCRETE", conducted in our department.

E.Pooja, B.Swedha & K.Vani of III year Civil Engineering department won III prize in Mini Project with cash prize of Rs.500/- for the project title "KINEMATIC SPEED BREAKER", conducted in our department.

R.Arasu, R.Bharat and S.Selvam of II Year Civil Engineering department won I prize in Mini Project with cash prize of Rs.1000/- for the project title "BASE ISOLATION SYSTEM", conducted in our department.



Certificate distribution for winners

A.Henry, R.Logesh and P.Madesh of II Year Civil Engineering department won II prize in Mini Project with cash prize of Rs.750/- for the project title "PREVENTION OF ACCIDENT ON ZEBRA CROSSING", conducted in our department.

M.Uthayakumar, R.Ajith and V.Jeevithan of II Year Civil Engineering department won III prize in Mini Project with cash prize of Rs.500/- for the project title "ROTARY CAR PARKING SYSTEM", conducted in our department.

## ✿ Project Proposals

Our students have submitted 20 project proposals to various funding agencies. The 'Tamilnadu State Council for Science and Technology (TNSCST)' was approved the project title 'Experimental Study of Floating Concrete'. The approval amount by the agency was Rs.7500/-. This funding project was proposed by A.Dhanusiyar, M.Gokulraj, M.Keerthivasan & A.Megha of IV year under the guidance of Mrs.K.Anbarasi, Assistant Professor, Department of Civil Engineering.

## ✿ Seminars / Webinars / Workshops

To acquire more knowledge in various domains, our students have attended around 167 seminars, webinars and workshops in various colleges throughout India.

## ✿ IIT spoken tutorial

Spoken tutorial training was conducted by Indian Institute of Technology - Bombay (IITB), totally 83 students were benefitted through this training.

The course on 'JAVA business application' was learned by 30 students from IV year through this training.

The course on 'Q CAD' was learned by 14 students from III year through this training.

The course on 'Introduction to computers' was learned by 39 students from II year through this training.

## ✿ In-plant Training

K.Mukesh, V.Sabarinathan, K.Samruda, S.Srikanth, S.Suresh & M.Vairavamoorthy of IV year Civil Engineering department involved in Research Project in Civil Engineering Department, National Institute of Technology, Tiruchirappalli (NIT-T) from 01<sup>st</sup> March 2022 to 31<sup>st</sup> May 2022.



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## ✿ Value added courses

To fulfill the needs of the industry, the following value added courses were organized in our department.

- Vasthu- 90 Students were beneficiaries through this course from 07<sup>th</sup> December, 2021 to 11<sup>th</sup> December, 2021.

- Total Station- 90 Students were beneficiaries through this course from 07<sup>th</sup> December, 2021 to 11<sup>th</sup> December, 2021.

- Autodesk Revit - 53 students were beneficiaries through this course from 21<sup>st</sup> February, 2021 to 13<sup>th</sup> February, 2021.

## **Paper presentation by the students**

R.A.Akshaya, S.Deepika & K.Samruda of IV year Civil Engineering department presented a paper on 'Mechanical properties of concrete using shells as coarse aggregate' in a National Level Technical Symposium at Bannari Amman Institute of Technology, Sathiyamangalam from 17<sup>th</sup> December, 2022 & 18<sup>th</sup> December, 2022.

M.K.Harin of II year & S.Riyaz of III year Civil Engineering department presented a paper on 'Healing of scullery water by using aloe barbadensis miller jel and moringa olifera seed as adsorbent' in a National Level Technical Symposium at Bannari Amman Institute of Technology, Sathiyamangalam from 17<sup>th</sup> December, 2022 & 18<sup>th</sup> December, 2022.

A.Sanjeevi of III year & T.Shanmugapriya of II year Civil Engineering department presented a paper on 'Experimental investigation on properties of herbocrete by using terminalia chebula (Kaddukai)' in a National Level Technical Symposium at Bannari Amman Institute of Technology, Sathiyamangalam from 17<sup>th</sup> December, 2022 & 18<sup>th</sup> December, 2022.

K.Vani of III year & S.Sonalee of II year Civil Engineering department presented a paper on 'Experimental investigation on properties and applications of foamed concrete using polypropylene fibres and recycled aggregate' in a National Level Technical Symposium at Bannari Amman Institute of Technology, Sathiyamangalam from 17<sup>th</sup> December, 2022 & 18<sup>th</sup> December, 2022.

V.Kamalini of II year Civil Engineering department presented a paper on 'Advanced Construction Techniques' in a National Level Technical Symposium at Bannari Amman Institute of Technology, Sathiyamangalam from 11<sup>th</sup> March, 2022 & 12<sup>th</sup> March, 2022.

R.Barat & J.Mohamed Aarif of II year Civil Engineering department presented a paper on 'Green Building' in a National Level Technical Symposium at Kongu Engineering College, Perundurai on 30<sup>th</sup> March, 2022.

S.Deepika & S.Elamathi of IV year Civil Engineering department presented a paper on 'Solar Building' in a National Level Technical Symposium at Kongu Engineering College, Perundurai on 30<sup>th</sup> March, 2022.

V.Kamalini & K.Kokila of II year Civil Engineering department presented a paper on 'Advanced Earthquake Resistant Structures' in a National Level Technical Symposium at Kongu Engineering College, Perundurai on 30<sup>th</sup> March, 2022.

K.Samruda of IV year Civil Engineering department presented a paper on 'Urban design' in a National Level Technical Symposium at Kongu Engineering College, Perundurai on 30<sup>th</sup> March, 2022.

P.Amala, C.Kanishka & M.Madhumitha of II year Civil Engineering department presented in a National Level Technical Symposium at M.Kumarasamy College of Engineering, Karur on 29<sup>th</sup> April, 2022.

R.Arasu, V.Jeevithan & B.Yogeshwaran of II year Civil Engineering department presented in a National Level Technical Symposium at M.Kumarasamy College of Engineering, Karur on 29<sup>th</sup> April, 2022.

S.Chittesh, S.Kamaleshwaran & S.Selvam of II year Civil Engineering department presented in a National Level Technical Symposium at M.Kumarasamy College of Engineering, Karur on 29<sup>th</sup> April, 2022.

R.Aravinth, M.Gokul, & P.Madhesh of II year Civil Engineering department presented in a National Level Technical Symposium at M.Kumarasamy College of Engineering, Karur on 29<sup>th</sup> April, 2022.

M.Gokul, V.Jeevashankar & R.Logeshwaran of II year Civil Engineering department presented a paper on 'Plastic modified bituminium road' in a National Level Technical Symposium at Kongu Engineering College, Perundurai on 06<sup>th</sup> May, 2022.

S.Kamaleshwaran & P.Madhesh of II year Civil Engineering department presented a paper on 'Noise Control in Buildings' in a National Level Technical Symposium at Kongu Engineering College, Perundurai on 06<sup>th</sup> May, 2022.

## **Industrial Visit**

Industrial Visit to 'Mayanur Dam' on May 10<sup>th</sup>, 2022.



*Mayanur Dam Visit*

Best outgoing student (Overall College) of the Year 2022.

S.Elamathi of IV year Civil Engineering department won 'BEST OUTGOING STUDENTS' award in the academic year 2021-2022.



*Best Outgoing Student of the Year 2021-2022*



**Students received prize in Mini Marathon**

## ✿ Music club activities

The students performed Orchestra' 22 event in annual day celebration conducted on 30<sup>th</sup> April, 2022.



**Certificate distribution for winners**

## ✿ Annual day celebration

The Department of Civil Engineering won prize in cultural event conducted in the Annual day celebration on 30<sup>th</sup> April, 2022.



**Received Prize in Cultural Event in the annual day celebration**

K.Nishanth, S.Nishanth & A.Sanjeev of III year Civil Engineering department won II prize in Mini Project with cash prize of Rs.750/- for the project title "PLASTIC CONCRETE", conducted in our department.

E.Pooja, B.Swedha & K.Vani of III year Civil Engineering department won III prize in Mini Project with cash prize of Rs.500/- for the project title "KINEMATIC SPEED BREAKER", conducted in our department.

R.Arasu, R.Bharat and S.Selvam of II Year Civil Engineering department won I prize in Mini Project with cash prize of Rs.1000/- for the project title "BASE ISOLATION SYSTEM", conducted in our department.



Vasthu training session



Autodesk Revit training Session

### \* Total Station training



### \* Japanese language training

R.Barat, R.Divakaran, M.K.Harini & B.Jeyaraj of II year Civil Engineering department completed Japanese language course through Gateway to Japan.



### \* Survey Camp

To equip the students with practical knowledge in the field of Civil Engineering, Surveying Camp was conducted on 05<sup>th</sup> July, 2022 to 08<sup>th</sup> July, 2022 in Kolli Hills (Namakkal). 53 students of II year were benefited through this camp.



### \* Consultancy works

Consultancy works were carried out in 'Saranya Spinning Mill' and 'Chakravarthi site'.



### \* Sports Event

J.Mohamed Aarif of II year Civil Engineering department won a Basketball match tournament at Builders Engineering College, Tirupur on 13<sup>th</sup> March 2022.



Students & Faculties of Civil Engineering department participated in a Mini Marathon at Namakkal, organized by Kongunadu College of Engineering & Technology, Trichy on 10<sup>th</sup> April 2022.

## COLLEGE VISION & MISSION

### VISION

"To become an Internationally Renowned Institution in Technical Education, Research and Development by Transforming the Students into Competent Professionals with Leadership Skills and Ethical Values."

### MISSION

- ❖ Providing the Best Resources and Infrastructure.
- ❖ Creating Learner-Centric Environment and continuous Learning.
- ❖ Promoting Effective Links with Intellectuals and Industries.
- ❖ Enriching Employability and Entrepreneurial Skills.
- ❖ Adapting to Changes for Sustainable Development.

Editorial Board

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# Kongunadu

College of Engineering & Technology  
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