

CIVIL ENGINEERING NEWSLETTER

AADHARA

EDITION OF MARCH/APRIL. 2022

FEATURES:

STUDENTS' SECTION

FACULTY CONTRIBUTION

OSCs

VISION OF THE DEPARTMENT

TO BE A CENTRE OF EXCELLENCE IN CIVIL ENGINEERING EDUCATION THROUGH FULL-FLEDGED LEARNING EXPERIENCE ALONG WITH RESEARCH

MISSION OF THE DEPARTMENT

TO ACCOMPLISH OUR VISION, WE ARE COMMITTED TO

- PROVIDE HIGH QUALITY TECHNICAL EDUCATION FOR UNDERGRADUATE, POST GRADUATE AND DOCTORAL PROGRAMMES IN CIVIL ENGINEERING.**
- CREATE EXCELLENT INFRASTRUCTURAL FACILITY AND STATE-OF-THE-ART LABORATORIES.**
- ENCOURAGE FACULTY AND STUDENTS TO CARRY OUT SOCIALLY RELEVANT RESEARCH THROUGH COLLABORATION WITH INDUSTRY.**
- INCULCATE ETHICS AND ENSURE COMMITMENT TO THE SOCIETY WITH LEADERSHIP QUALITIES.**

STUDENTS' ACHIEVEMENTS

VISAI 2022

INSDAG 2021 AWARD

FINAL YEAR PROJECT REVIEW

FACULTY CONTRIBUTION

FACULTY CERTIFICATION

FACULTY R&D CONFERENCE

FACULTY R&D PUBLICATION

FACULTY R&D PATENT PUBLICATION

FACULTY SUPERVISOR RECOGNITION

OTHER SIGNIFICANT CONTRIBUTIONS

(OSCs)

SEMINAR ON HIGHER EDUCATION

WEBINAR

CLASS COMMITTEE MEETING

STUDENTS' ACHIEVEMENTS

VISAI 2022:

Civil Engineering students participated and presented their works for various themes in the 12th international project competition (VISAI 2022) held on 24th February 2022 organized by Vel Tech Rangarajan Dr. Sagunthala R&D institute of Science and Technology.



STUDENTS' ACHIEVEMENTS

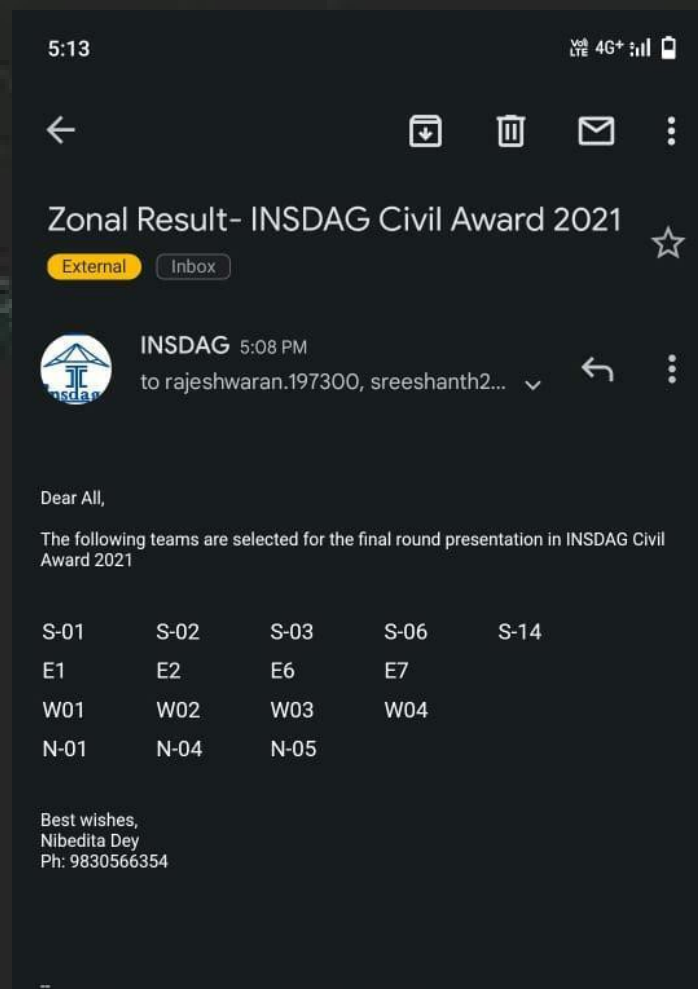
INSDAG 2021 AWARD:

Final & third year Civil Engineering students team have been selected for the final round (one among 16 best entries throughout india) of National award competition for students organised by INSDAG, Ministry of Steel and Government of india, Kolkata, This is the fourth consecutive year (2019, 2020, 2021, 2022) our college team has been selected for the final round. The theme of the competition is Iconic Steel Roof Structure over an Open Air Theatre with stage

Team: Ms. Divyadharshini V M, Ms. Abinaya K, Ms. Arundhati A and Ms. Oviyaa M

Faculty Mentors:

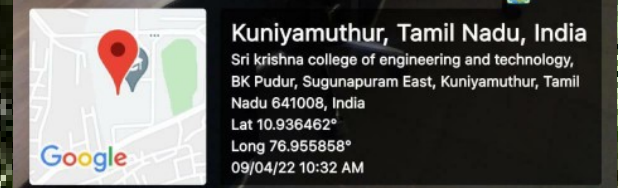
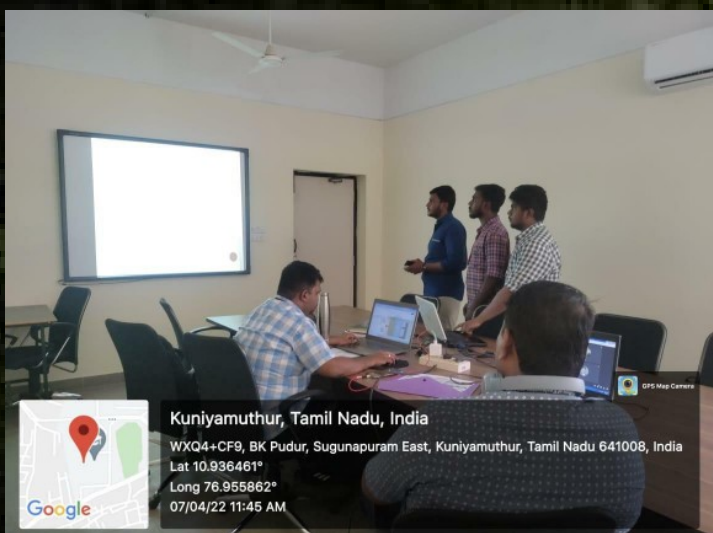
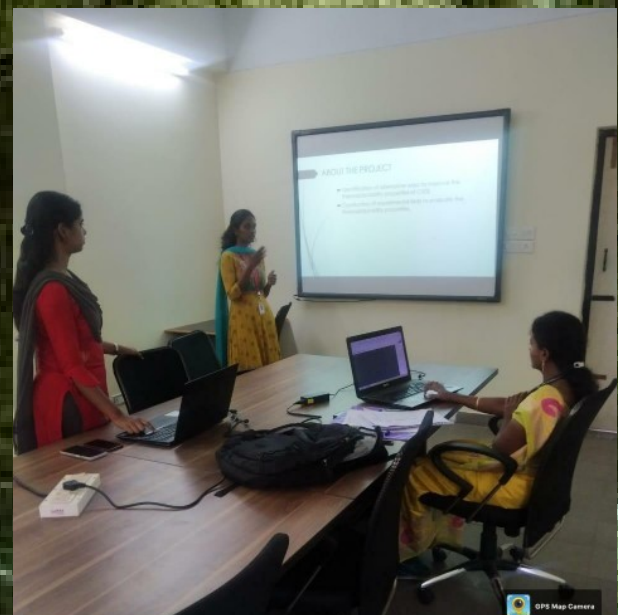
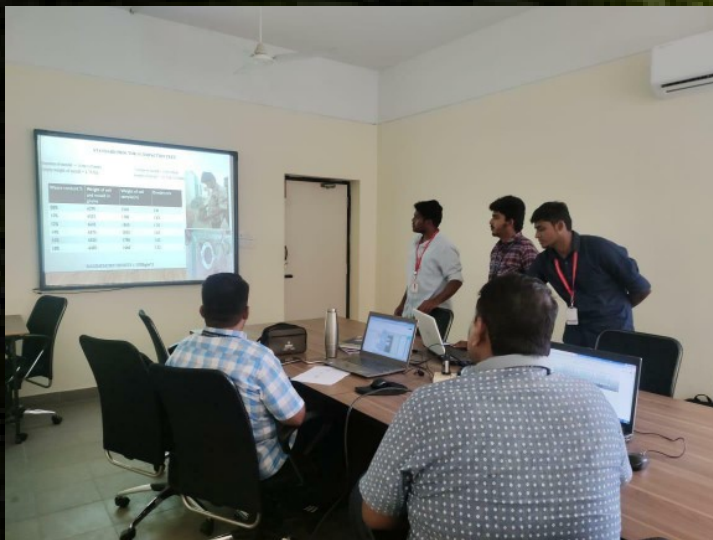
Mr. Vighnesh R and Mr. Boobalan S C, Assistant Professors, Civil Engineering



STUDENTS' ACHIEVEMENTS

FINAL YEAR PROJECT REVIEW:

Final year project review - Phase 2 was conducted on 7th April. The students were asked to present their work. Faculty coordinator and guides of the respective batches provided their feedback and suggested improvements for the presenting batches.



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FACULTY CONTRIBUTION

FACULTY CERTIFICATION:

Dr. P. Saravanakumar, Associate Professor of the Department of Civil Engineering completed a one day workshop on "Heavy Haul Railways: Towards Safe, Efficient and Sustainable Design" organised by University of Technology, Sydney and Indian Institute of Technology, Kharagpur.



FACULTY CERTIFICATION:

Dr. R. Chandra Devi and Mr. S. Sadheesh, Associate Professor and Assistant Professor of the Department of Civil Engineering participated in a DERB sponsored webinar on "Managing hydro - meterological extremes under the climate change" organised by Department of Water Resources Development and Management, IIT Roorkee on 16th February 2022.



FACULTY CERTIFICATION:

Mr. M. R. Ezhilkumar, Assistant Professor of the Department of Civil Engineering participated in NEERI sponsored induction training on "National Clean Air Program from 21st to 23rd February 2022.



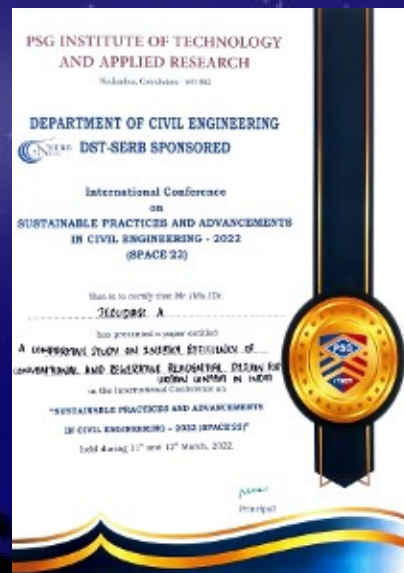
FACULTY R&D CONFERENCE:

Dr. D. Maruthachalam and Mr. S. C. Boobalan, Professor & Head and Assistant Professor, Department of Civil Engineering respectively presented a paper on the topic "Investigation on Influence of Size of Aggregate and Effect of Strength on Altering the ratio in Low Nominal mix concrete Mixes" 2022 International conference on Recent advances in Engineering materials (ICRAEM 2022) held at Alva's Institute of Engineering and Technology, Moodbidri, Karnataka, India during 03 - 05, March 2022.



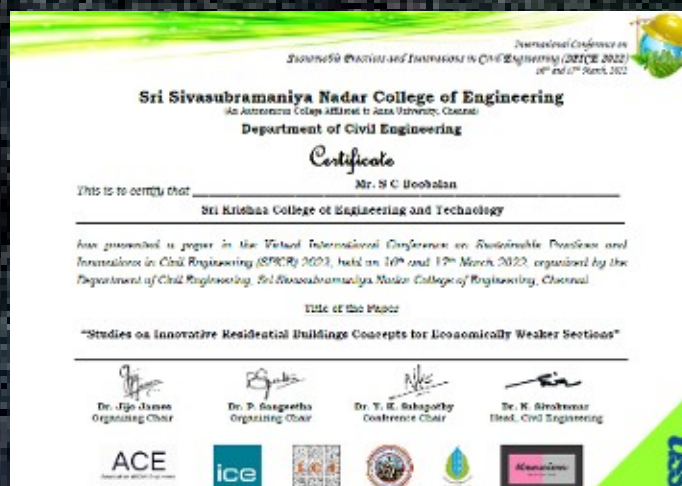
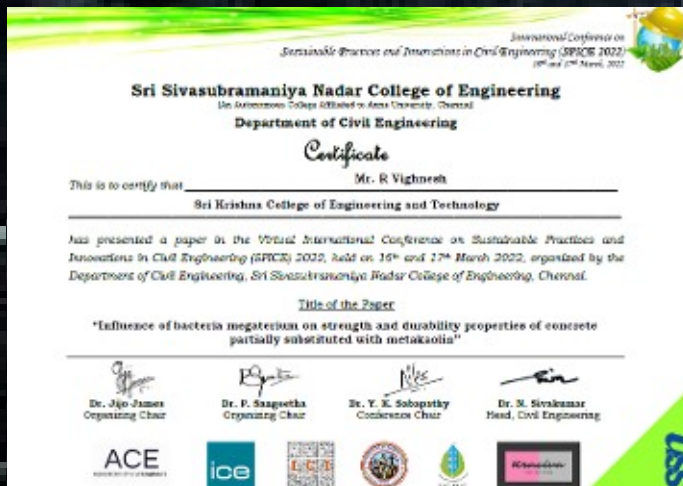
FACULTY R&D CONFERENCE:

Mr. A. Jesudass, Assistant Professor, Department of Civil Engineering along with final year students K. Abinaya, A. Margaret Jennifer and M. Sakthi Sri participated and presented a paper on the topic "A comparative study on energy efficiency of conventional and regenerative residential design for urban context in India" in the International conference on "Sustainable Practices and Advancements in Civil Engineering - 2022" held at PSG Institute of Technology and applied Research on 11th and 12th March 2022.



FACULTY R&D CONFERENCE:

Mr. S. C. Boobalan, Mr. M. R. Ezhilkumar and Mr. R. Vighnesh, Assistant Professors, Department of Civil Engineering respectively presented their respective papers in virtual International conference on Sustainable Practices and Innovations in Civil Engineering (SPICE) 2022, held on 16th and 17th March 2022, organized by the Department of Civil Engineering, Sri Sivasubramaniya Nadar College of Engineering, Chennai.



FACULTY R&D CONFERENCE:

Dr. S. Ramakrishnan, Dr. P. Saravanakumar, Mr. S. Sadheesh and Mr. A. Aswin Bharath, Department of Civil Engineering presented their respective papers at the Second International Conference on Sustainable Infrastructure with Smart Technology for Energy and Environmental Management (SIC - SISTEEM - 2022) organised by Bannari Amman Institute of Technology, Sathyamangalam held on 24th to 26th March 2022.



FACULTY R&D PUBLICATION:

Dr. V. Yogeshwaran, Assistant Professor, Department of Civil Engineering along with final year students M. R. Deepak Chakravarthy, V. Gopalakannan and S. Vengadesh Prasanth have published a research article titled "Treatment of Brackish Water using Acrylic Solar Still with concentrating dish" in Indian Journal of Environmental Protection. It is indexed in Scopus.

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Treatment of Brackish Water Using Acrylic Solar Still with Concentrating Dish

M.R. Deepak Chakravarthy, V. Gopalakannan, S. Vengadesh Prasanth and V. Yogeshwaran*

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Water is essential for each and every living organisms residing in the earth. Nowadays earth is facing a severe water scarcity. According to the research which was done in 2019 it has been found that world will suffer severe water scarcity by the year of 2021. It is found that about 97% of water in the earth is saline water. The major cause for the water scarcity is the rise in population. It is a basic need to convert the saline or brackish water into the potable drinking water. The acrylic still enclosed with concentrating dish is a simple device which is used for converting brackish water into the potable drinking water. This paper presents a study about the acrylic solar still enclosed with concentrating dish. It gives the good productivity value and the water scarcity also be reduced by this method. This can be adopted in future for the purpose of converting brackish water into usable water and this process has the good efficiency value.

FACULTY R&D PATENT PUBLICATION:

Dr. V. Yogeshwaran and Mr. M. R. Ezhilkumar, Assistant Professors, Department of Civil Engineering along with Mr. T. Vignesh, Assistant Professor, Department of Mechatronics have published a patent on the title "Low - cost potable Water Purifier".

(12) PATENT APPLICATION PUBLICATION

(21) Application No.202241015663 A

(19) INDIA

(22) Date of filing of Application :22/03/2022

(43) Publication Date : 15/04/2022

(54) Title of the invention : LOW-COST POTABLE WATER PURIFIER

(51) International classification :C02F0001440000, C02F0101200000, C02F0001280000, C02F0001660000, C02F0009000000

(86) International Application No :PCT// Filing Date :01/01/1900

(87) International Publication No : NA

(61) Patent of Addition to Application Number :NA Filing Date :NA

(62) Divisional to Application Number :NA Filing Date :NA

(71)Name of Applicant :

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5)Vignesh.T

Name of Applicant : NA

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3)Dr.S.Seenivasan

Address of Applicant :Assistant professor & Head, Dhaanish Ahmed institute of technology, Coimbatore.

4)Mr. P.R.Riyas

Address of Applicant :Assistant Professor, Dhaanish Ahmed institute of technology, Coimbatore.

OTHER SIGNIFICANT CONTRIBUTIONS

SEMINAR ON HIGHER EDUCATION:

ICI Student chapter, Department of Civil Engineering, SKCET & IIC organized a seminar on Higher Education in the UK - Prospects and Possibilities on Friday, 04th March 2022.

Speaker: Shineeja Rejish, Sr. Consultant at SI-UK, Coimbatore.

The speaker addressed to Civil Engineering prefinal year students about,

- Post study work/ Career opportunities.
- Top Universities and Course availabilities.
- Documents required for getting an admission in the UK
- Various scholarship options available.

The collage features a flyer for the seminar at the top, which includes the logos of Sri Krishna College of Engineering and Technology, ICI Student Chapter, and SI-UK. The flyer text reads: "Inviting You all to join the Expert Talk on Higher Education in the UK - Prospects and Possibilities" by Shineeja Rejish on 04 March 2022 at 11.55 am. Below the flyer are three photographs: the first shows the speaker, Shineeja Rejish, presenting to a group; the second is a poster for the seminar with details on the date, time, and location; the third shows a large group of students seated in a classroom, listening to the presentation.

WEBINAR ON SUSTAINABLE GEOTECHNICS

The IGS Student chapter of SKCET in association with IIC organized a webinar on "Sustainable Geotechnics " on 4th March 2022 (Friday).

Resource person: Dr. G. Janardhanan, Associate professor and Head i/c, centre for Environmental management, NNITTTR Chennai.

The key pointers were

- Integrated Geotechnical, Environmental and Groundwater Engineering - Latest problem solving techniques.
- Sustainable Geotechnics - Solution to an engineering problem should not be another rising problem.
- I-STEM facility at NITTTR - Linking researchers and resources
- Discussion on two case studies on foundation failure - raft and pile foundation.



WEBINAR ON HEALTH MONITORING OF STRUCTURES

ICI Student Chapter, Department of Civil Engineering and IIC, organized a Webinar on "Health monitoring of structures" for Civil Engineering Students' on 05th March 2022.

Speaker: Dr. R. Padmapriya, Professor and Head, Department of Civil Engineering, Sathyabama Institute of Science and Technology, Chennai

Webinar Highlights:

- Objectives of structural health monitoring
- steps involved in SHM
- Challenges in SHM
- smart sensor concept
- Applications of SHM
- Future scope in SHM



WEBINAR ON EMPLOYMENT FOR ENGINEERS IN DEFENCE SECTOR

IE(I) Student chapter, Department of Civil Engineering and IIC, organised a webinar on "Employment for engineers in Defence sector" for Civil engineering students on 05th march 2022.

Speaker: Prof. V. Anto, Director, Nethaji Bose Defence Academy

The expert member delivered a brief lecture on difference between civil service and defence service, different forms of competitive exams in defence sector. He showed some light on criteria for applications in the Indian Defence sector.]



CLASS COMMITTEE MEETING:

Third year students attended a Class Committee Meeting and addressed their concerns held on 31st March 2022. Dr. N. Balaji, Associate Professor, Department of Mechanical Engineering presided the meeting. The following pointers were discussed

- **Hostel accomodation and transport facilities.**
- **Subjects and laboratory sessions.**
- **Encouraged and motivated the students to attend the regular placement training (T1 & T2) classes for the third year students.**
- **General discussion and grievance regarding virtual classes and other academic activities.**



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CHIEF PATRON:

Smt. S. Malarvizhi,
Chairperson and Managing Trustee,
Sri Krishna Institutions.

PATRON:

Dr. K. Sundaraman,
CEO,
Sri Krishna Institutions.

CO-PATRON:

Dr. J. Janet,
Principal, SKCET.

STUDENT EDITORS:

- **Mr. S. Lokkesh kumaar**
- **Mr. S. Ashwinkumar**
- **Mr. R. Saravanan.**



FACULTY EDITOR:

Dr. D. Maruthachalam,
HoD/Civil Engineering,
Mr. R. Vighnesh,
Assistant Professor,
Civil Engineering