

Society Of Civil Engineers



Vision

- To achieve excellence in the field of civil engineering with professional competency.

Mission

- Provide congenial learning-teaching process for holistic development.
- Upgrade the facilities to meet curriculum needs.
- Conduct Industry-Institute interactions to educate learners.
- Enhance the research to meet the societal needs.



The Civil Engineering Department is one of the lead departments in the institute and was established in 2009. The initial journey was started with a U.G. Program (B. Tech in Civil Engineering) with intake of 60 seats. Later, the department started a P.G. Program (M. Tech in Structural Engineering) in the year 2013 with an intake of 24 seats. With the eminent faculty and well-acquainted facilities, extensive research work is going on in the various disciplines of Civil Engineering.

FACULTY DETAIL\$:

The department of Civil Engineering has highly qualified, experienced faculty members from various streams whose knowledge shapes a student's leadership skills. Department of Civil Engineering has faculty of 35 members, 2 Professors, 2 Associate professors and 31 Assistant professors. Faculty members have widely recognized for their research, case development and industrial contacts which help students to teach regarding practical aspects.

FACULTY DETAIL\$:

Total No. of faculty: 31

S. No	Faculty	Members
1.	Professors	01
2.	Associate Professor	01
3.	Assistant Professor	29

HOD'S PROFILE:



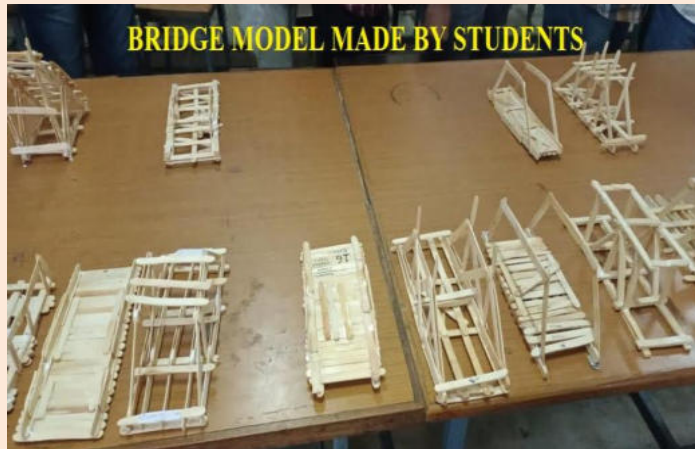
A. Anil, M. Tech, (Ph.D)
HOD of Civil Department

Sri. A. Anil is doing his Ph. D in Water resources engineering from JNTUA, Ananthapuramu, did his Masters from S.V. University, Tirupati with a specialization in Hydraulics and Water resources Engineering and Bachelor degree in civil engineering from N.B.K.R.I.S.T, Vidyanagar. He started his teaching career is 2012. He was ratified by JNTUA, Ananthapuramu as Assistant professor. His attentiveness lies in remote sensing and GIS applications, Qualitative and Quantitative analysis of water, Expansion of Usage of sensors in water resources. He has published 10 research papers in international journals and attended 15 conferences. He is having professional memberships like IWRA, IAHR, ISRD and IAENG. He has contributed a lot for the academics and extended the services towards admissions, Placements, college activities and organizing events. He assumed office of the head of the civil engineering department on July 2021.

EVENTS CONDUCTED BY CIVIL ENGINEERING DEPARTMENT:-

Technical Exhibition on Model Presentation 28-12-2021 To 30-12-2021

The Department of Civil Engineering, Annamacharya Institute of Technology & Sciences:: Tirupati conducted Technical fest on empowering civil engineering education through valid and reliable methods and conducted bridge testing etc.



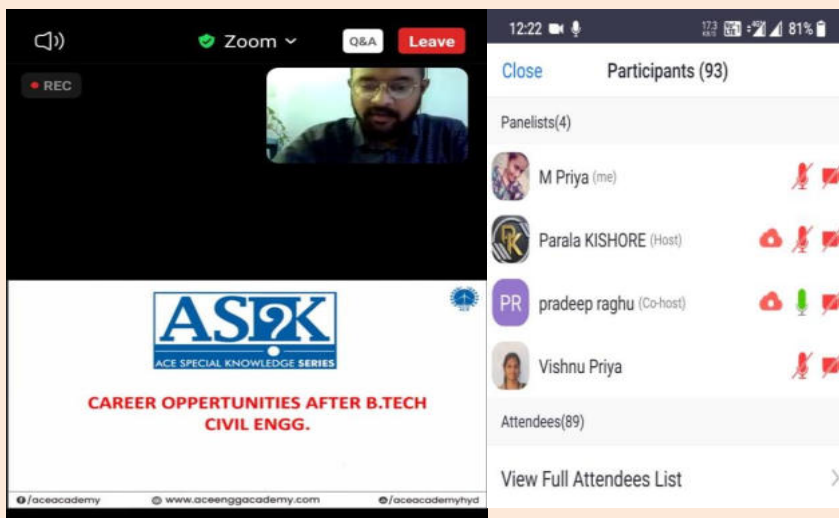
Workshop on Auto CAD 09-01-2022

The Department of Civil Engineering, Annamacharya Institute of Technology & Sciences:: Tirupati conducted a workshop on 09.01.2022 by **Anjaneya Puli Civil CADD Trainer**, delivered a workshop on the "**AutoCAD**" to department staffs, B. Tech and M. Tech students. In the workshop, Anjaneya Puli sir has delivered an expert talk about basics in AutoCAD, create plan of a building and also discussed about top civilcadd courses which is useful for students and all other civil engineering course. He also demonstrated with few building plans to students which has helped students to gain knowledge regarding AutoCAD



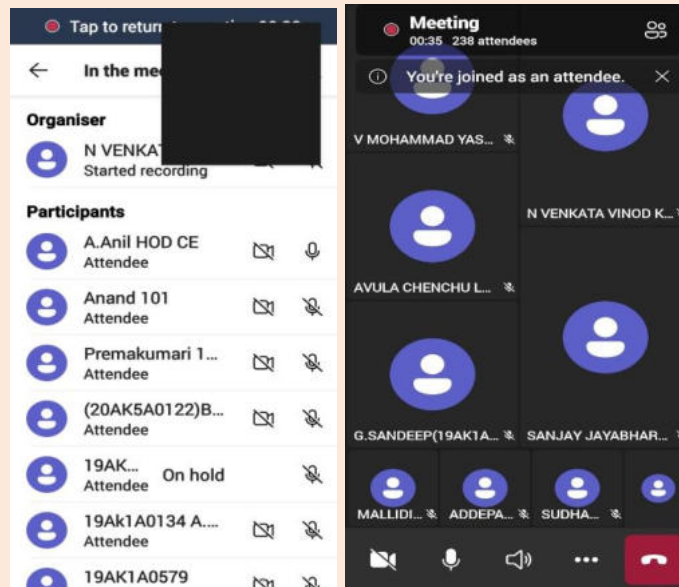
Webinar on Career Opportunities on 23-01-2022

The Department of Civil Engineering, Annamacharya Institute of Technology & Sciences:: Tirupati conducted on 23-01-2022 by **Pradeep Raghu**, delivered a webinar on "**Career Opportunities After B.Tech**" to B. Tech students. In the webinar, Pradeep Raghu sir has delivered an expert talk about career opportunities through GATE examinations, importance of GATE examinations, exam syllabus etc.,



Online webinar on Career Opportunities in United States on 29-01-2022

The Department of Civil Engineering, Annamacharya Institute of Technology & Sciences:: Tirupati conducted on 29-01-2022 by Mr G Surendragupta Mohith, Tech support Engineer, MS Info Tech Ltd (Walgreens), United States, delivered a webinar on "Career Opportunities in United States" to B. Tech students. In the webinar, G Surendragupta Mohith sir has delivered an expert talk about career opportunities in United States for Civil Engineering career path.



Faculty Development Programme on 14-02-2022 To 26-02-2022

The Department of Civil Engineering, Annamacharya Institute of Technology & Sciences:: Tirupati conducted two week faculty development program on Understanding and Assessment of Higher order cognitive skills required for engineering education through valid and reliable methods by various resource person on 14-02-2022 to 26-02-2022



PATENTS

1. **Title:** AN EARTHQUAKE-RESISTANT PRECAST BEAM-COLUMN CONNECTION USING CLEAT ANGLE AND REPLACEABLE DISSIPATERS

Authors: Dr.K. Thulasirajan , Assoc. Prof.

Field of Invention: Structural Engineering

Publication Date: 03/11/2021

The Patent Office Journal No. Australia, 2021106172



Australian Government

IP Australia

CERTIFICATE OF GRANT INNOVATION PATENT

Patent number: 2021106172

The Commissioner of Patents has granted the above patent on 3 November 2021, and certifies that the below particulars have been registered in the Register of Patents.

Name and address of patentee(s):

Thulasirajan Krishnan of Department of Civil Engineering, Pondicherry Engineering college Puducherry 605014 India

Revathi Purushothaman of Department of Civil Engineering, Pondicherry Engineering college Puducherry 605014 India

Title of invention:

AN EARTHQUAKE-RESISTANT PRECAST BEAM-COLUMN CONNECTION USING CLEAT ANGLE AND REPLACEABLE DISSIPATERS

Name of inventor(s):

Krishnan, Thulasirajan and Purushothaman, Revathi

Term of Patent:

Eight years from 20 August 2021

NOTE: This Innovation Patent cannot be enforced unless and until it has been examined by the Commissioner of Patents and a Certificate of Examination has been issued. See sections 120(1A) and 129A of the Patents Act 1990, set out on the reverse of this document.

2. Title: SELF-SENSING REINFORCED CONCRETE AND STRUCTURAL HEALTH MONITORING THE SAME

Authors: Dr. J. Guru Jawahar. Professor

Field of Invention: Structural Engineering

Publication Date: 21/01/2022

The Patent Office Journal No. India, 202141058280

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(54) Title of the invention : SELF-SENSING REINFORCED CONCRETE AND STRUCTURAL HEALTH MONITORING USING THE SAME

(51) International classification :C04B0028020000, G01M0005000000, C04B0014380000, C04B0028040000, G01N0029440000

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

(87) International Publication No : NA

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

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(57) Abstract :

Title: SELF-SENSING REINFORCED CONCRETE AND STRUCTURAL HEALTH MONITORING USING THE SAME ABSTRACT A self-sensing reinforced concrete (100), the concrete (100) comprising: micro-carbon fibers (102) with 95 % carbon content, wherein the micro carbon fibers (102) have properties such as electrical resistivity of 1.54×10^{-3} w.cm, a tensile strength of 4810 MPa, a tensile modulus of 225 GPa; cement (104) of OPC-43 grade, wherein the cement (104) has a specific gravity of 3.12 kg/litre; fine aggregate (106) with a specific gravity of 2.63 kg/m³ and bulk density of 1699 kg/m³; coarse aggregate (108) with a specific gravity of 2.82 kg/m³ and bulk density of 1532 kg/m³; surfactant (110), wherein the surfactant (110) is Sodium Dodecyl Benzene Sulfonic salt (SDBS); super plasticizer (112), wherein the super plasticizer (112) is Polycarboxylic ether (PCE); and wherein the micro-carbon fibers (102), cement (104), the fine aggregates (106), the coarse aggregates (108), the surfactant (110), and the superplasticizer (112) may be mixed in water (114) conforming to IS456-2005 standards. Figure 3 is selected.

No. of Pages : 29 No. of Claims : 10

3. **Title:** SUSTAINABLE TRANSLUCENT LIGHT EMITTING CONCRETE WITH OPTICAL FIBERS AND PREPARATION THEREOF

Authors: T Sai Krishna, Asst. Professor

Field of Invention: Structural Engineering

Publication Date: February, 2022

The Patent Office Journal No. India, 202241004387

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Intellectual Property India



Office of the Controller General of Patents, Designs & Trade Marks
Department of Industrial Policy & Promotion,
Ministry of Commerce & Industry,
Government of India

(<http://ipindia.nic.in/index.htm>)

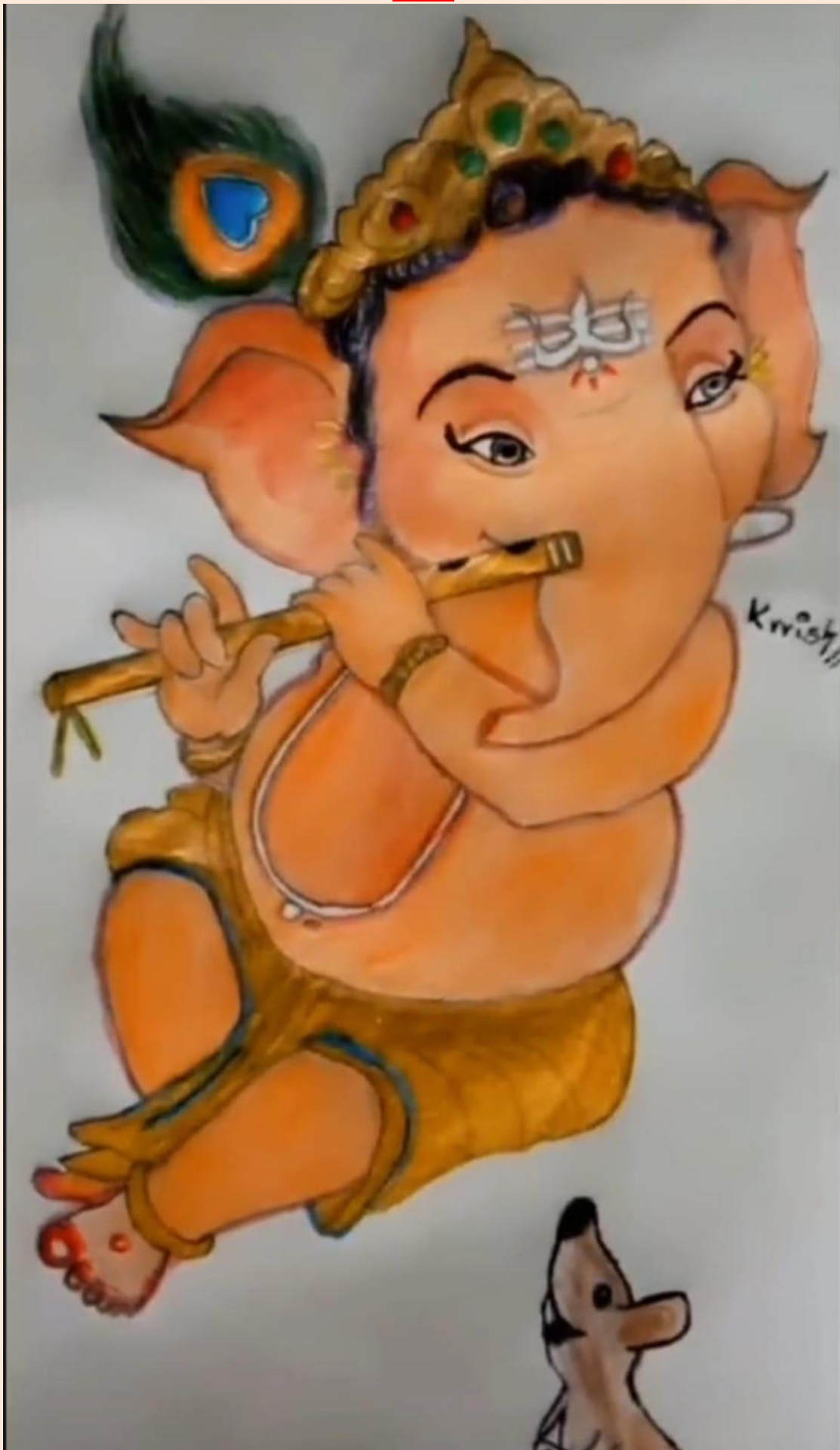


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GEOGRAPHICAL INDICATIONS

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Application Details

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DATE OF FILING	27/01/2022
APPLICANT NAME	1 . Dr. C. Venkata Siva Rama Prasad 2 . V. Muni Jyothirmmai 3 . Dr. B. Kesava Rao 4 . Dr. R. Chandramohan 5 . Telkar Sai Krishna 6 . Shruthi Lakkakula 7 . Hemanth Kumar Yerrabolu 8 . Dr. A. Uday kumar
TITLE OF INVENTION	SUSTAINABLE TRANSLUCENT LIGHT EMITTING CONCRETE WITH OPTICAL FIBERS AND PREPARATION THEREOF
FIELD OF INVENTION	ELECTRONICS
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PRIORITY DATE	
REQUEST FOR EXAMINATION DATE	--
PUBLICATION DATE (U/S 11A)	04/02/2022



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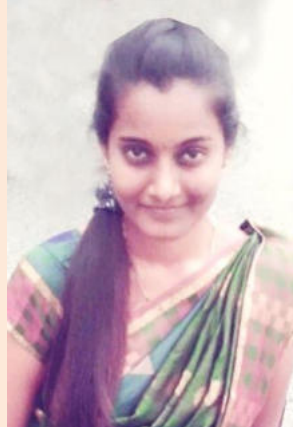
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LETTER FROM THE *EDITOR*

July 1, 2022

Dear Reader,

Welcome to Volume 6, a vibrant mix of passion and precision.

It gives me immense pleasure to present the vibrant achievements of the Civil Engineering Department, AITS Tirupati. From hands-on technical exhibitions and insightful workshops to career-focused webinars and groundbreaking patent publications, our department continues to empower students and faculty through innovation, skill development, and academic excellence. Let us celebrate these milestones and stride forward with renewed commitment to civil engineering education.

Sincerely,

Miss Meenu Sri Priya
Editor-in-Chief

