



CIVIL ENGINEERS ASSOCIATION NEWS LETTER (CEAN)



THE GREEN BUILDINGS CONCEPT IN CIVIL ENGINEERING

**SHRI VIHNU ENGINEERING COLLEGE FOR WOMEN::BHIMAVARAM
(AUTONOMOUS)**

DEPARTMENT OF CIVIL ENGINEERING

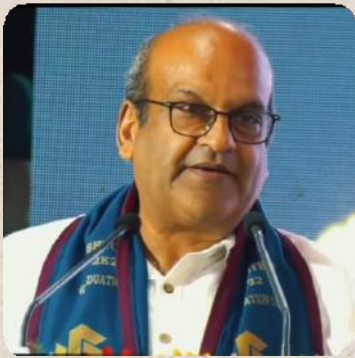
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Vishnupur, Bhimavaram, West Godavari Dist., Andhra Pradesh, India, PIN - 534202



“A Nature lover. Trek enthusiast, passionate photographer and a relentless traveller who firmly believes that network is the net worth of an individual”



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Vice-chairman



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Secretary

**THE HALF YEARLY NEWSLETTER OF THE
DEPARTMENT OF CIVIL ENGINEERING**

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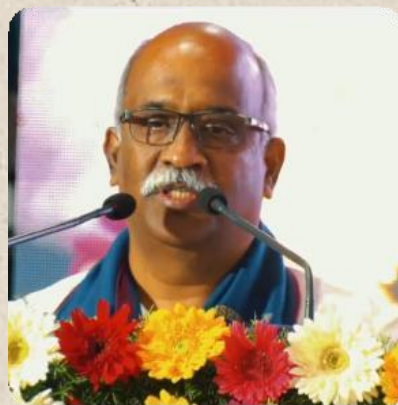
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Dr. P. Srinivasa Raju
Vice-Principal



Dr. G. Srinivasa Rao
Principle



Dr. Pala Gireesh Kumar
Professor & HoD
Department of Civil Engineering

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Vision, Mission and PEO,s of Civil Department

❖ Vision of the Department

- “To empower women in the field of civil engineering by imparting knowledge, training, ethical values and meets the needs of the academia and industry.”

❖ Mission of the Department

- To provide value based education for sustainable competitive edge.
- To impart skills required for civil engineering career along with understanding the role and responsibility in fulfilling the fundamental social needs.
- To nurture professionalism through continuously counselled and mentored environment.
- To inculcate the culture of research and consultancy in the students

❖ Program Educational Objectives (PEOs)

- To apply the knowledge of fundamental sciences in civil engineering and provide optimum solutions for real life problems
- To adopt contemporary engineering knowledge to become an ethical civil engineer
- To flourish in continued education and employment with an orientation to serve the society.

❑ **FDP/ Workshops/ / Conferences Attended by Faculty**

S.No.	Name of the Faculty	Details of the Programme	
1	Mrs.S.Manjula	Presented Paper in National Conference on “ Advanced construction Materials and Management ” during 16-17 th Dec, 2022 at NITW.	
2	Mrs. Parvathidevi.A	Participated in the Five Day Short Term Training Program on “ GIS for Smart City ” organized by the Department of Civil Engineering, Presidency University, Bengaluru in association with Karnataka Science and Technology Academy (KSTA), Govt. of Karnataka, Bengaluru, From 12 th december to 16 th December 2022.	
3	Mrs. Parvathidevi.A	Participated in a “ WORKSHOP ON SOFT COMPUTING TECHNIQUES FOR CIVIL ENGINEERS ” during 5 th to 13 th December 2022 organized by Department of Civil Engineering, Madanapalle Institute of Technology and Science, Andhra Pradesh.	
4	Mr.B.Venkatesh	Attended training programme “ Teaching Learning Conclave Dec 2022 ”. on. 17.12.2022 at VEDIC,HYD.	
5	Mr.Ramgopal L	Attended Training Program “ SUMO ”at VEDIC Hyd on 03.12.2022	
S.No	Faculty	Theme	Details of the Programmed
1.	Dr. Pala Gireesh Kumar S.Manjula	Practical Aspects of Design and Construction of Buildings	One Day Skill Development Programme on under ICI and VEDIC During Dec 10 th 2022.
2	Dr. Pala Gireesh Kumar S.Manjula	Sustainable construction technology and advancements in civil Engineering	3 rd International Virtual Conference on ScTACE during 15-16 th Dec, 2022.
3	Dr. Pala Gireesh Kumar S.Manjula & V.Manasa	Catch Them Young	One day Event Organized Under ICI on Dec 30 th 2022

Placement Details

- 2019 – 2024 B.Tech final year students of 10 members placed in various companies the details are given below.

S.No	Regd No	Name of the Student	Name of the company
1	19B01A0121	MAYURI	Musigma
2	20B05A0103	LIKHITHA	Musigma, Renew power
3	19B01A0126	GOWRI PRIYA	Musigma, Renew power
4	19B01A0145	MANIKYAMEGHANA	Renew Power
5	19B01A0140	MOUNIKA	Renew power
6	19B01A0136	VENU LALITHYA	Renew power
7	19B01A0115	G. LIKHITHA	Musigma,
8	19B01A0124	SONYSRAVANTHI	Musigma, Renew power
9	18B01A0112	O.BABY SINDHUJA	Larsen&Toubro
10	18B01A0111	M.TEJASW	Sobha Constructions LCC



Higher studies

S.N	Reg No	Name of the Student	Exam Details	University/Specialization
1	16B01A0145	REGADA KARUNA KUMARI	PG CET	(Admitted in Andhra University, Environmental Engineering)



□ Students achievements

- III B.Tech Students have won 1st Runner-up in TALSCOUTS Competition from final Pitch round of social advocacy, guided by Mrs.S.Manjula for the Team Members (K.Lalitha Maheswari,M.Yamini,G.Supriya, ,Sowmya Sri) on the concept of “Mission Possible”.



□ Guest speaker

- Dr.Pala Gireesh Kumar has been invited as guest Speaker and delivered a talk on “Avenues towards Civil Engineering” on 4th Jan 2023 at Visvodaya Engineering College, Kavali.



❑ Green Buildings Concept in civil Engineering

- What is green building

A Green building should create delight when entered, serenity and health when occupied and regret when departed’ – Perhaps this is one of the most inspiring definitions of a Green building, articulated in the book ‘Natural Capitalism’. A green building uses less energy, water and nonrenewable natural resources, creates less waste and is healthier for the people living inside compared to a standard building.

- Green Building concept is essentially the increase of efficiency with resources for building activity, which includes energy, waste and materials.
- An attempt is made to reduce the building impact on the environment and health through better sustainable sites, sustainable architecture, sustainable development and integration of energy conservation.
- This goes in a long way in the ultimate goal for controlling the global warming and reduction of carbon emissions. A few case studies have been taken into consideration for generalizing and application of the same to one of the investigations.
- The process highlights the tangible and intangible benefits reaped through the holistic and integrated development ushering in a new era in the way building construction is practiced.



❑ Green Buildings Concept in civil Engineering

- Some of the Salient Features of a Green Building are:
- Minimal disturbance to landscapes and site conditions:
- Use of Recycled and Environmental Friendly Building Materials.
- Use of Non-Toxic and recycled/recyclable Materials.
- Efficient use of Water and Water Recycling.
- Use of Energy Efficient and Eco-Friendly Equipment.
- Use of Renewable Energy.
- Indoor Air Quality for Human Safety and Comfort.
- Effective Controls and Building Management Systems.



❑ Benefit of Green Building

- A Green Building can have tremendous benefits, both tangible and intangible.
- The immediate and most tangible benefit is in the reduction in operating energy and Water costs right from day one, during the entire life cycle of the building.
- The Energy savings could range from 25 – 40 % depending on the extent of green specifications. Other tangible savings would be reduction in first costs and enhanced asset value.
- Intangible benefits of Green Buildings include increasing productivity of occupants' health, safety benefits and a green corporate image.
- Several Corporate are now seeing Green Building Rating as a tool to enhance marketability.

❑ **Civil Talks – Parichay:**

- **Civil Talks – Parichay** : A New Initiative taken by the Department of Civil Engineering to Connect young Civil Engineers / entrepreneurs / Scholars to the identified group of students to get an exposure beyond curriculum /

No	Name of the Student	Civil Talks – Parichay
1	MENNI BALA SRI	<p>#01 Sri Varshini P Civil Engineer NIT Trichy Alumni Ex L & T Masters in Business Analytics Product 7th Jan 2023</p> <p>#02 Abhijna M Civil Engineer NIT Trichy Alumni Ex Aarvee Associate (Ph.D) Transportation Systems Engg. IIT Bombay 25th Jan 2023</p>
2	KOSANA RENU PRIYANKA	
3	ADDAGATLA LIKHITHA	
4	MUTYALA LAKSHMI SRAVYA	
5	GOPALAPURAPU KAVYA SRI	
6	KESANA NAGA SUNEETHA	
7	YARLLGADDA JMANA SATHWIKA	
8	KADARI HEMA ANVITHA	
9	MUDIGANTI SIRI CHANDANA	
10	PONNURI NAGA LAKSHMI	
11	MAGANTI PUJITHA	
12	RAJANA N V S LAKSHMI	
13	CH.VAMSI LAKSHMI PRASANNA	
14	SATTI VIJAYA VARSHINI	

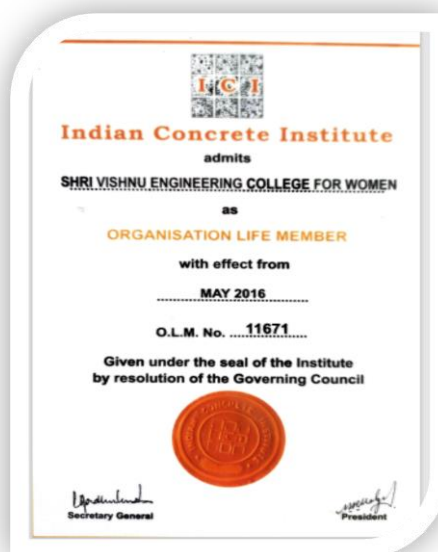
❑ **New hands in the Department**

- Mr.N.Haripavan has joined in our civil department as Asst.Prof 01.02.2023.
- M.Tech Remote sensing and GIS
- Research Interest::
Q GIS, Remote sensing application in urban areas.



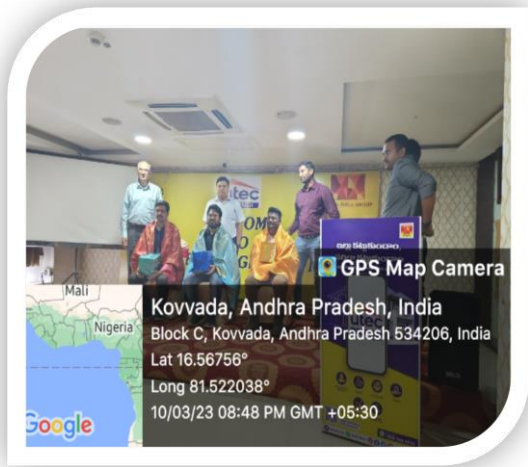
❑ **Department Achievement**

- The department of civil engineering received the Outstanding ICI Student Chapter of Andhra Pradesh for Shri Vishnu Engineering College for Women (A) for the academic Year 2021 _2022.



❑ **Ultratech ENGINEER’s MEET**

- Dr.Pala Gireesh Kumar has been Invited as guest to Ultratech ENGINEER’s MEET on 10.03.2023 organized by UltraTech Cements Ltd, Bhimavaram
- Mr. Ramgopal. L gave a Guest Lecture on “Overview of Seismic Evaluation & Retrofitting Techniques” at UltraTech ENGINEER’s MEET on 10.03.2023 organized by UltraTech Cements Ltd, Bhimavaram.



❑ Interaction with industry expert

- In recent years, the Department of CE has organized numerous interactions between students and academic and business experts on a regular basis—at least once every month or every two months—either in person or online.
- In addition, CIVIL TALKS, an initiative with industry-exclusive young engineers or entrepreneurs, was started with the idea of continuously pushing passionate students and also identifying those who turn to be passionate hearing speakers.
- The goal was to see how the informal talks would bring about a significant difference among those students through this “PARICHAY”. The fifth talk was on May 13th, the sixth talk was on May 21st, the seventh talk was on 27th March 2023.



❑ Workshop attend by the students

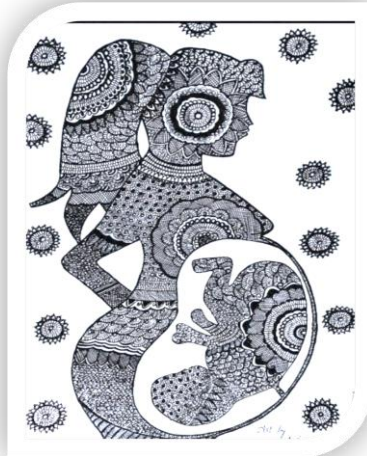
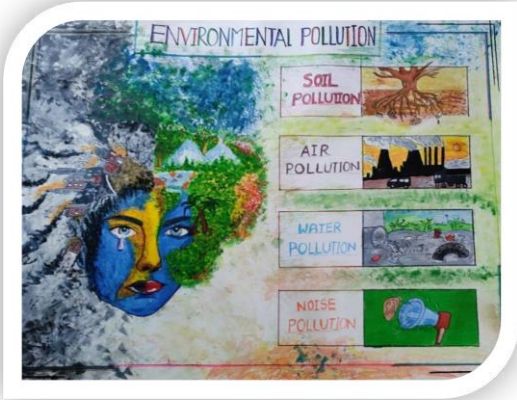
- Six students from IV B.Tech attended a workshop and training program on 31st March to 2nd April 2023 at Mahindra University in Hyderabad which was hosted for three-days on "Building better designs: Integrating AI, BIM, and 3D Printing (3DBIMAI - 2023)".
- The key topics covered at this session included artificial intelligence, its uses in civil engineering, 3D printing, BIM, and BIM tools. After the theory lessons were finished, EDIFICIUS Software practice sessions were held. Additionally, the students are assigned various software-related assignments.



Extra-Curricular Activates

Name : P Maheswari Satya (3rd year)

Art: Mandala art



Editorial Team



Dr.Pala Gireesh Kumar
Professor & HOD

Chief Editor

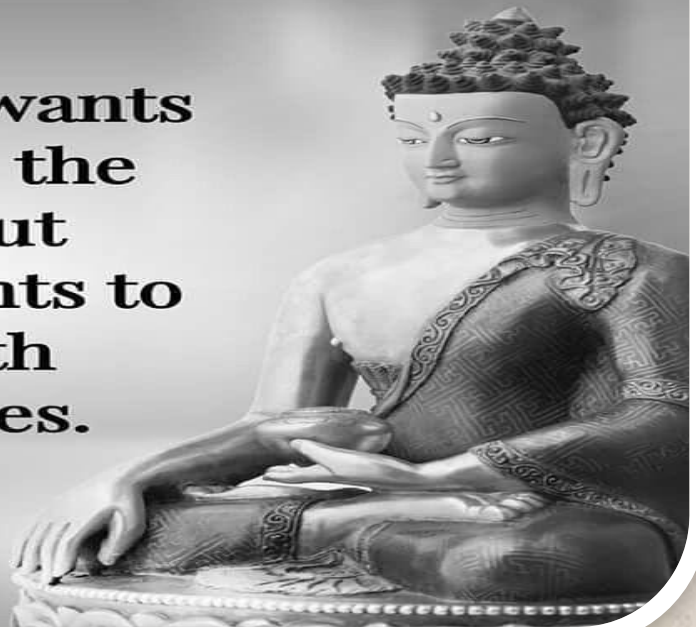


Mr. Butti Venkatesh
Assistant Professor

Editor

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**Everybody wants
to change the
world, but
nobody wants to
start with
themselves.**



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