

CIVIL CHRONICLES

NEWS LETTER 2024-25

WINTER EDITION

ISSUE - 1



DEPARTMENT OF CIVIL ENGINEERING

Editorial Board

Faculty Editors:

Dr. V. Jagadish,
Prof & HOD,
Department of Civil Engineering.

Mrs. K. Divya,
Assistant Professor,
Department of Civil Engineering.

Student Editors:

R. Ruthwik Ram(21501A0122) & VII sem

V. Mounika(23505A0143) & V sem

Md Ilfaz(24505A0110) & II sem

Student spotlight Contributors:

G.Ramanjaneyulu(22505A0103) & VII sem

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Achievements

- T.Priyanka, K.Dinesh, M.Sindhura has won first prize in Quiz at the national Symposium, Epistemicon-2K24 on 28th September 2024 organized by department of Civil Engineering at Andhra Loyola Institute of Engineering and Technology.
- T.B.Deveswar Sai Singh, Sk Aleema, G Ramanjaneyulu from IV/IV B.Tech. has won 1st prize in the ICI-RDC National Level Mix Design & Cube Test Competition organized by Indian Concrete Institute in collaboration with RDC concrete(India) Limited organized at Anna University held on 4th October 2024.
- A.Rakshitha and I.Johanna of II/IV B.Tech. has won first prize in paper presentation in ISTE, PVPSIT event on the eve of APJ Abdul Kalam's on 15-10-2024.
- P.Meghana Ragavi of II/IV B.Tech. has won second prize in paper presentation in ISTE, PVPSIT event on the eve of APJ Abdul Kalam's on 15-10-2024.
- T.Priyanka of IV/IV B.Tech. has won third prize in paper presentation in ISTE, PVPSIT event on the eve of APJ Abdul Kalam's on 15-10-2024.
- T.Priyanka of III/IV B.Tech. has won second prize in CAD Contest in ISTE, PVPSIT event on the eve of APJ Abdul Kalam's on 14-10-2024.
- P.Manikanta of III/IV B.Tech. has won first prize in CAD Contest in ISTE, PVPSIT event on the eve of APJ Abdul Kalam's on 14-10-2024.
- D.Kalyan of II/IV B.Tech. has won first prize in Float on Competition in ISTE, PVPSIT event on the eve of APJ Abdul Kalam's on 14-10-2024.
- P.Ganesh of IV/IV B.Tech. has won second prize in Float on Competition in ISTE, PVPSIT event on the eve of APJ Abdul Kalam's on 14-10-2024.

Civil Students Clinch 1st Prize in National Competition

PVPSIT students win 1st prize in National meet

PNS ■ VIJAYAWADA

In a remarkable achievement, a team of final-year Civil Engineering students from PVP Siddhartha Institute of Technology (PVPSIT), Vijayawada, secured the First Prize in the ICI-RDC National Level Mix Design & Cube Test Competition, organised by the Indian Concrete Institute (ICI) in collaboration with RDC Concrete (India) Limited. The event was held at Anna University, Guindy, Chennai, on October 4.

The winning team, comprising TB Deveswar Sai Singh, Shaik Aleema, and G. Ramanjaneyulu Prasad, outshone competitors from top



institutions across the country to claim the top honour and a prize worth Rs 1 lakh. Their project showcased sustainable techniques in concrete mix

design, a crucial element of modern construction.

Dr Jagadish Vengala, Head of the Civil Engineering Department and mentor to

the team expressed pride in the students' achievement, stating, "This accomplishment underscores the talent and technical expertise our students possess. It's an honour to see them excel on a national platform."

Dr K. Sivaji Babu, Principal of PVPSIT, along with Paladugu Lakshmana Rao, Secretary of Siddhartha Academy, extended their heartfelt congratulations to the students for their outstanding performance. They emphasised that this victory not only brings pride to the institution but also reinforces PVPSIT's commitment to fostering academic and practical excellence in engineering education.

In a remarkable achievement, a team of final-year Civil Engineering students T. B. Deveswar Sai Singh(22505A0120), G.Ramanjaneyulu(22505A0103), Shaik Aleema(22505A0113), secured the First Prize in the prestigious ICI-RDC National Level Mix Design & Cube Test Competition. The event, organized by the Indian Concrete Institute (ICI) in collaboration with RDC Concrete (India) Limited, was held

at Anna University, Chennai, on October 4,2024. The winning team demonstrated exceptional skills in sustainable concrete mix design techniques, outshining competitors from top institutions across the country. Their innovative approach earned them the top honor and a cash prize of ₹1 lakh.

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జాతీయ స్థాయి పోటీల్లో ప్రతిభ

కామూరు, మ్యాన్ టుడే :
పీవీపీ సిద్ధార్థ ఇనిస్టిట్యూట్ ఆఫ్ టెక్నాలజీ ఇంజనీరింగ్ కళాశాల సివిల్ విభాగం చివరి సంవత్సరం విద్యార్థులు టీబీ దేవేశ్వర్ సాయిసింగ్, జి. అంజనేయులు ప్రసాద్లు వసీం అర్షీనీ మిక్స్ డిజైన్ క్యూబ్ టెస్టు పోటీల్లో జాతీయ స్థాయిలో ప్రథమ స్థానంలో నిలిచారని ప్రిన్సిపల్ కొండపల్లి శివాజీబాబు తెలిపారు. శుభ్రవారం కళాశాలలో జరిగిన కార్యక్రమంలో ఆయన మాట్లాడారు. చైన్మెంట్ ఈ నెల 4న అన్నా

ప్రథమ స్థానంలో నిలిచిన పీవీపీసిద్ధార్థ సివిల్ ఇంజనీరింగ్ విద్యార్థులు

విశ్వవిద్యాలయంలో పోటీలు జరగాయన్నారు. విద్యార్థులను సిద్ధార్థ ఆకాడమీ కార్యదర్శి పాలడుగు లక్ష్యపాదిస్తూ, సివిల్ విభాగాధిపతి వెంగల జగదీష్, తదితరులు అభినందించారు.

Date : 06/10/2024 EditionName : ANDHRA PRADESH (AMARAVATI KRISHNA) PageNo :

➤ Civil Student Shines at Smart India Hackathon 2024



We are proud to share that one of our student T. B. Deveswar Sai Singh(22505A0120) had the incredible opportunity to participate as a **finalist** in the **Smart India Hackathon 2024**, representing the theme "*Utilization of aerial/drone-based images for monitoring the progress of construction activities in road construction projects.*" The event took place at the **Indian Institute of Technology Gandhinagar** on **11th and 12th December 2024**, bringing together some of the brightest minds in the country.

Training Porgrams

- A one-week training program on Primavera P6 was conducted through CADD Experts at the PVPSIT premises from July 1 to July 6, 2024, for IV/IV B.Tech. students. Resource Person: Mr. K.L.S. Prasad, Coordinator: Dr. K. Shyam Prakash.
- A Training Programme on Advanced Total Station was organized for IV B.Tech. students by PVPSIT in collaboration with Ladder Survey Institute of Technology, Chennai, from November 11 to November 15, 2024. Resource Person: Mr. M. Dinesh, Coordinator: Dr. K. Shyam Prakash.
- A guest lecture on "Higher Education in Overseas" for IV/IV B.Tech. students was conducted on December 3, 2024. Resource Person: Mrs. Kodali Veena, Jr. General Manager, Academic Overseas Pvt. Ltd., Vijayawada. Coordinator: Dr. K. Shyam Prakash.
- A guest lecture on "The Impact of Blended Cements on Modern Concrete Construction" was delivered by Er. YTVV Prasad, Consultant at My Home Industries, on December 24, 2024, on the eve of the Annual General Body Meeting (AGM-2024) of the Indian Concrete Institute (ICI), Vijayawada Centre.
- A Product Presentation on Maha Cement was delivered by Mr. B. Gopi, AGM, CCS, My Home Industries, on December 24, 2024, as part of AGM-2024 of the Indian Concrete Institute (ICI), Vijayawada Centre.

Master in Civil Engineering – Monthly sessions with IIT/NIT Professors

- A guest lecture on "Sustainability and Civil Engineering" was delivered by Dr. Ravindra Gettu, Professor at IIT Chennai, on August 31, 2024.
- A guest lecture on "Expectations from a Civil Engineer: Academia and Industry Perspectives" was delivered by Dr. Mallikarjuna C, Professor at IIT Guwahati, on September 28, 2024.
- A guest lecture on "Computational Aspects of Cementitious Materials" was delivered by Dr. Tezeswi Tadepalli, Associate Professor at NIT Warangal, on October 31, 2024.
- A guest lecture on "Role of Structural Engineers in Repair and Rehabilitation of Civil Infrastructure" was delivered by Dr. S. Suriya Prakash, Professor at IIT Hyderabad, on November 27, 2024.
- A guest lecture on "Understanding Steel-Concrete Interface in Concrete Structures" was delivered by Prasanna Kumar Behera, Assistant Professor at IIT Tirupati, on December 30, 2024.

Glimpse of Master in Civil Engineering – Monthly sessions with IIT/NIT Professors



We had an incredible opportunity to attend a guest lecture by Dr. Prasanna Kumar Behera, Assistant Professor, Department of Civil Engineering, IIT Tirupati, on Monday, 30th December 2024, in the part of Mastering in Civil engineering- Monthly sessions with IIT/NIT Professors. The session focused on "Understanding Steel-Concrete Interface in Concrete Structures", a topic crucial for aspiring civil engineers. Dr. Behera provided valuable insights into the interaction between steel and concrete, explaining its importance in structural strength and durability. His detailed explanations and real-world examples made the topic both engaging and easy to grasp. This session helped us deepen our understanding of modern construction techniques, bridging the gap between theory and practical applications.

Bi-weekly Techtalks: Insights from Industry experts

- A guest lecture on "Innovations in Modern Concrete" was delivered by Er. Nandaka Srinivas Rao, Regional Head Technical Services at UltraTech Cement - Aralanaka, on August 14, 2024, organized by Mrs. K. Prasanthi and Mrs. M. D. Prasanna.
- A guest lecture on "Emerging Opportunities for Graduate Civil Engineers in Railway Infrastructures" was presented by Er. Saiabandapaka, CEO, and Abhila Rajendran, Consultant from Saudi Arabia, on August 30, 2024, organized by Mrs. K. Prasanthi and Mrs. M. D. Prasanna.
- A guest lecture on "New Trend Flooring and Relevant Opportunities for Civil Engineers" was delivered by Er. Yogeswara MV, Specification Head at MYK Arment

Pvt. Ltd., Karnataka, on September 13, 2024, organized by Mrs. K. Prasanthi and Mrs. M. D. Prasanna.

- A guest lecture on "Sustainability in Concrete Constructions with Durability" was delivered by Dr. L.R. Manjunatha, Vice President of Direct Sales and Sustainability Initiatives at JSW Cement Limited, on October 15, 2024, organized by Mrs. K. Prasanthi and Mrs. M. D. Prasanna.
- A guest lecture on "Know Your Cement" was delivered by Mr. T.V.V. Prasad, Consultant at UltraTech Cement and My Home Industries, on October 16, 2024, organized by Mrs. K. Prasanthi and Mrs. M. D. Prasanna.
- A guest lecture on "Right Product for Right Application" was delivered by Er. G. Ravi, Manager of Technical Services at The Ramco Cement Limited, on October 29, 2024, organized by Mrs. K. Prasanthi and Mrs. M. D. Prasanna.
- A guest lecture on "Role of Mineral Admixtures on Durability of Concrete" was delivered by Er. Krishna Mohan D, Business Head (RMC) at Shree Cement Limited AP, on November 15, 2024, organized by Mrs. K. Prasanthi and Mrs. M. D. Prasanna.
- A guest lecture on "Good Construction Practices" was delivered by Er. Naveen Kumar Chandra, General Manager (Technical) at Ajmera Housing Corporation, on November 30, 2024, organized by Mrs. K. Prasanthi and Mrs. M. D. Prasanna.
- A guest lecture on "Tips for Sustainable Green Houses" was delivered by Er. G. Suresh Kumar, Regional Head Technical at UltraTech Cement Ltd, AP, on December 16, 2024, organized by Mrs. K. Prasanthi and Mrs. M. D. Prasanna.
- A guest lecture on "Practical Insights into Building Construction" was delivered by Er. Ganesh Rathod, Proprietor at Sai Ganesh Associates & Marketers, on December 31, 2024, organized by Mrs. K. Prasanthi and Mrs. M. D. Prasanna.
- A guest lecture on "The Impact of Blended Cements on Modern Concrete Construction" was delivered by Er. YTVV Prasad, Consultant at My Home Industries, on December 24, 2024, on the eve of the Annual General Body Meeting (AGM-2024) of the Indian Concrete Institute (ICI), Vijayawada Centre.
- A Product Presentation on Maha Cement was delivered by Mr. B. Gopi, AGM, CCS, My Home Industries, on December 24, 2024, as part of AGM-2024 of the Indian Concrete Institute (ICI), Vijayawada Centre.

Glimpse of Bi-weekly Techtalks: Insights from Industry experts



We had the opportunity to attend an insightful session on "Practical Insights into Building Construction", delivered by Er. Ganesh Rathod, Proprietor of Sai Ganesh Associates, Vijayawada as part of Bi-weekly tech talks :Insights from Industry experts. He shared real-world construction practices, discussing challenges, innovative solutions, and key aspects of modern building techniques. His expertise and practical knowledge gave us a new perspective on how theoretical concepts are applied in the field of construction. The session was highly interactive and informative, helping us bridge the gap between academics and industry applications. It was truly a valuable experience that enriched our understanding and prepared us for future professional challenges.

WEEKEND WITH ALUMNI - Guest Lecture Series

Our department will be hosting **weekly guest lectures by esteemed alumni** in both online and offline modes. These sessions provide a great opportunity for students to gain insights from industry experts, researchers, and professionals who were once in our shoes. Each lecture will cover diverse topics, offering valuable knowledge and career guidance.

S.No.	Topic	Speaker	Dates
1	Applications of Job Roles in Civil Engineering	Mr.V. Vamsidhar, (Alumni) Managing Partner, InTandem Build CoFounder: Sruha Homes	27-07-2024
2	Geospatial Technology and its Applications in Civil	Mr.JameerMahamed (Alumni) Business Analyst, at Terra	03-08-2024

	Engineering	Drone Arabia	
3	Project Management for Commercial Real Estate	Mr.VenkateshChinthala (Alumni) Assistant Manager, Planning & Billing K Raheja Corp	10-08-2024
4	Future Prospects and Career Paths in Civil Engineering & “Basic concepts of façade and its future market”	Mr. T. Dheeraj Kumar, (Alumni) Project Manager, My Home Construction	17-08-2024
5	Various Market Opportunities for Civil Engineers	Mr.ChowdeswaraRao,(Alumni) Regional Manager, Hinduja Housing Finance, A.P	24-08-2024
6	Structural Health Monitoring Using Digital Image Correlation Technique	Dr.B.Murali Krishna (Alumni) Assistant Professor, VNR V JIET,Hyd	31-08-2024
7	Water and Food Security from the perspective of Regional Self- Sufficiency	Dr.KoteswaraRaoDagani. (Alumni) Institute of Eminence Postdoctoral fellow, Interdisciplinary Center for Water Research, IISc Bangalore.	07-09-2024
8	Exploring Civil Engineering Career Opportunities: A Comparative Analysis of Planning and Execution Departments	Mr.K.V.Jagannadharao, (Alumni) Assistant Manager (Planning), KEC INTERNATIONAL LTD.,	14-09-2024
9	Optimizing Vendor Management and Material control : Strategies for seizing current opportunities &	Mr.NaraSairam(Alumni) Project Manager (PMO& Product Development)	21-09-2024
10	Digital Transformation in Construction : Revolutionizing the AEC Industry and unlocking New Opportunities	Mr.Kadiyam Raja (Alumni) Project Manager (Vendor Management & Material)Wehouse Home Construction	21-09-2024
11	Higher Education in UK & Leadership Practices in Organisations	Ms.HemaVarshini (Alumni) MSc in Construction and Project ManagementQueens University, Belfast.	29-09-2024

12	Higher Education in Switzerland and the Role of Engineers in the Energy Sector	Mrs. Monika Ganipisetty Operational Buyer, Planning & Supply Chain Team HITACHI ENERGY, Switzerland	13.10.2024.
13	Sustainable Highway Maintenance Practices	Mr.E. Purnesh, Technical Engineer, RITES, NHAI	19.10.2024.
14	Exploring Civil Engineering Opportunities in the USA	Mr. Subhash Yerramsetty Alumnus of New York University (NYU) Project Manager at FloraCon LLC.	27-10-2024
15	Exploring Career Options in Environmental Engineering Developments	Mr. Khadar Basha (Sixth Batch Alumni, 2013-2017), Project Manager & Environmental Specialist, Pollucare Engineers India, Mumbai	01-12-2024
16	Job Opportunities in Civil Engineering after Masters in the U.S	Mr. Yasin Shareef Sk (Second Batch Alumni, 2009-2013), Project Manager, HVJ Associates, Houston, Texas	07-12-2024
17	Civil Engineering in Port Industry	Mr. Gowtham Achanta (Fourth Batch Alumni, 2011-2015), Assistant Manager – Projects, Nhava Sheva Freeport Terminal, Mumbai	14-12-2024
18	From Concept to Reality: Leveraging Software in Civil Engg Projects	Mr. Ch. V. Vikas Kumar (Twelfth Batch Alumni, 2019-2023), Application Developer Associate, Accenture, Maharashtra	21-12-2024
19	Scope of Civil Engineering in Airport Construction	Mr. V. Arun Kumar (Twelfth Batch Alumni, 2019-2023), Engineer, Megawide Infrastructures Pvt. Ltd, Goa	28-12-2024

Glimpse of Alumni lecture series



Mr. Ch. V. Vikas kumar (Twelfth Batch Alumni, 2019-2023), Application Developer, Accenture delivered a lecture on "From Concept to Reality: Learning Software in Civil Engg.," for second and third year students. The session broadened students perspectives on civil engineering opportunities in the software industry and

Honoring Excellence: Felicitation of Our Distinguished Alumna



During the alumni meet 2K24, we had the **privilege of honoring Monika Ganipisetty**, an esteemed alumna from the **Civil Engineering Department**, with the **Prominent Alumni Award**. Currently serving as an **Operational Buyer at Hitachi Energy, Zurich, Switzerland**, Monika has made remarkable contributions to her field, setting an inspiring example for aspiring engineers. The event was a heartwarming occasion filled with **nostalgia, meaningful conversations, and invaluable insights** shared by our accomplished alumni. It served as a reminder of the **strong bonds within our PVPSIT family** and the profound impact our alumni continue to make on society.

Industrial Visits

- As part of our academic exposure, we, the 4th B.Tech Civil Engineering students, had the incredible opportunity to visit **Vijayawada International Airport** on **25th September 2024**, accompanied by Dr. K. Shyam Prakash, Mrs. K. Prasanthi, and Mrs. M. D. Prasanna. The visit provided us with valuable insights into airport infrastructure, runway design, and the structural aspects of aviation facilities. Witnessing real-time operations enhanced our understanding of practical engineering applications beyond the classroom.
- On **26th July 2024**, we explored **Vijayawada Railway Station** under the guidance of Dr. K. Shyam Prakash and Mrs. M. D. Prasanna. This field visit gave us an in-depth perspective on railway infrastructure, track layouts, and station planning. Observing the integration of civil engineering principles in transportation networks broadened our knowledge and appreciation for large-scale infrastructure projects.

Co-curricular Activities

- P.Ganesh completed a one-week training program on Primavera P6 through CADD Experts at the PVPSIT premises, from July 1 to July 6, 2024.
- B.Sai Kumar, K.S.Swaroop have participated in the event Component Clash in AMEYA-2024 conducted by the student chapter SAME at VVIT on 24th, 25th October 2024.
- B.Sowmya has participated in Poster Presentation at the national Symposium, Epistemicon-2K24 on 28th September 2024 organized by department of Civil Engineering at Andhra Loyola Institute of Engineering and Technology.
- B.Sowmya has participated in Quiz at the national Symposium, Epistemicon-2K24 on 28th September 2024 organized by department of Civil Engineering at Andhra Loyola Institute of Engineering and Technology.

Extra-curricular Activities

- P.Ganesh got the certificate of appreciation in his guidance and exemplary leadership skills in organizing the prestigious international cultural festival Rath fest-2024 conducted by Iskcon Vijayawada from July 9-12 2024.
- K.S.Swaroop has participated in the event HIT THE DANCE FLOOR organized at Civilize 2024- a national level techno fest held on 26th, 27th September 2024 at VRSEC(Deemed to be University).
- K.N.Sai Kiran, K.S.Swaroop have participated in Solo Dance competition conducted at A Two Day National Level Techno Fusion Fest sVISTa-2K24organised by Sree Vahini institute of Science and Technology on 29th, 30th October 2024.
- B.Sai Kumar has participated in Slow Cycling competition conducted at A Two Day National Level Techno Fusion Fest sVISTa-2K24organised by Sree Vahini institute of Science and Technology on 29th, 30th October 2024.

- M.Sindura Lakshmi of II/IV B.Tech. has successfully participated as a volunteer in the Vijayawada Marathon-2024 held in Vijayawada on 17th November 2024.
- M.Sindura Lakshmi of II/IV B.Tech. has got the certificate of appreciation for her great service and dedication in the success of the “Amaravathi Balotsavam 7th Children’s Festival” on 15,16,17 November 2024.

Certification courses

- Goriparthi Ramanjaneyulu, T.Deveswar Sai Singh, Murari Bhanu Prasad, Shaik Mastanbi, Sikinam Nithin, Vasapalli Koteswararao, Ganesh Parepalli, Y.Naga Lakshmi, T. Rhema, N.Amulya has completed NPTEL course “Sustainable Engineering Concepts And Life Cycle Analysis” from June-September 2024.
- 29 students got Osdag course completion certificate in spoken tutorial organized by IIT Bombay.
- 36 students got OpenFOAM version 7 course completion certificate in spoken tutorial organized by IIT Bombay.

Student Spotlight: Voices from the Campus

Victory at the ICI RDC Concrete Contest – A Triumph in Innovation

By G. Ramanajaneyulu, (22505A0103) & VII sem, Civil

Participating in the **National Cube Test Competition – Season 2**, organized by the **Indian Concrete Institute (ICI) and RDC Concrete**, was an exhilarating experience. This prestigious competition, aimed at promoting high-quality concrete mixture proportioning among students, engineers, and builders, tested participants' skills in achieving optimal workability, strength, and durability.

Competing in the **Student Category**, our team secured the **1st prize at the national level**, earning a cash prize of **₹1,00,000**. The contest required participants to design concrete cubes maintaining a strength range of **33-35 MPa**, adhering to IS standards. The cubes were rigorously tested for compressive strength and evaluated on criteria such as uniformity, cost-effectiveness, and workability.

This achievement would not have been possible without the collective efforts of my fellow team members **T. Deveswar Sai Singh, Sk. Aleema**. Together, we worked diligently to refine our concrete mix design, ensuring it met the competition's stringent requirements.

The competition was a great platform to apply theoretical knowledge to practical challenges, enhance mix design expertise, and refine technical skills. Winning this award is not just a personal milestone but a reflection of dedicated efforts, precision in concrete mix proportioning, and the guidance received from mentors and faculty.

I extend my heartfelt gratitude to the **Indian Concrete Institute and RDC Concrete** for organizing this insightful event and providing a platform for aspiring civil engineers. Special thanks to **Er. Muralidharan N G, Chairman - ICI Chennai Chapter**, and **Er. Anil K Banchhor, MD & CEO, RDC Concrete (India) Limited**, for their leadership in making this event possible.

I would also like to express my sincere thanks to **Dr. Jagadish Vengala, Head of the Department, PVPSIT**, for his invaluable guidance and encouragement throughout this competition.