



## NEWS LETTER

### DEPARTMENT OF CIVIL ENGINEERING



[srkrec.edu.in](http://srkrec.edu.in)

### CIVIL ENGINEERING PROGRAMME

#### VISION

To Lead Academics and Research in Civil Engineering Globally.

#### MISSION

To provide high quality education and make the students as ethical, world class professionals.

To improve the skills of both staff and students with opportunities to innovate and explore knowledge through research projects and consultancy.

To inculcate the feeling of present needs in students and evoke in them a responsibility to serve the society better.

## INCEPTION OF CIVIL ENGINEERING AT SRKREC

The Department of Civil Engineering at SRKR Engineering College, Bhimavaram, was established in 1980 and has since become a pillar of academic excellence and applied engineering in Andhra Pradesh, particularly in the coastal region. The department offers a B.Tech. Program in Civil Engineering and an M.Tech. program in Structural Engineering. The National Board of Accreditation (NBA) has accredited the undergraduate program four times for the periods 2002–2007, 2007–2012, 2020–2023, and 2023–2026, a testament to its consistent focus on quality education. The department is known for producing graduates who are technically sound and possess strong interpersonal and professional skills.

The department leads in consultancy services across domains like Structural, Geotechnical, Transportation, and Environmental Engineering, contributing over 80% of the college's total consultancy revenue. It actively promotes research and has established six Centres of Excellence, focusing on water quality and materials research and environmental sustainability through funded projects. The department is recognized as a research centre by both Andhra University and JNTU Kakinada and has a vibrant culture of publications and innovation. With a blend of strong academics, industry interaction, and research focus, the Civil Engineering Department continues to shape future-ready engineers committed to societal impact.

### **HOD's MESSAGE**

Greetings!!

The popular saying of Sir Mokshagundam Visvesvaraya, which inspires us to date, “The way to build a nation is to build a good citizen. The majority of the citizens should be efficient, of good character, and possess a reasonable high sense of duty”.

With this thoughtful message and in the same spirit, I am pleased to announce the release of our next newsletter, which aims to highlight consolidated information on the department's progress across all aspects between July and December 2025. In our department, we develop future leaders with creative thinking skills and abilities who can contribute to the nation's growth. We have well-equipped research facilities that support the research activities of the department's students and faculty members. I thank all the faculty members and students for their support in organizing and conducting departmental activities. I congratulate and thank the editorial board members for their support in making this newsletter successful. I am incredibly thankful to all the faculty members of our department for sharing the necessary information on time that helps us to bring this newsletter.

We have many new things to talk about in the months ahead, including excellence in teaching and learning and exciting career initiative accomplishments. We need to continue telling the story of all the great things we do, especially how we engage students, businesses, and communities!

Dr. G Sri Bala  
Associate Professor and HoD  
Department of Civil Engineering  
SRKR Engineering College



## EDITORS DESK

**“The success of a strong professional depends on how much they bounce up when they hit bottom”**

It is indeed my great honour to be an editor of our newsletter and it gives me immense pleasure to publish this issue of volume 5 (issue 2). The editorial team feels highly privileged to highlight the activities and achievements of our department, made possible by the massive work done by the faculty members and students.

### Editors

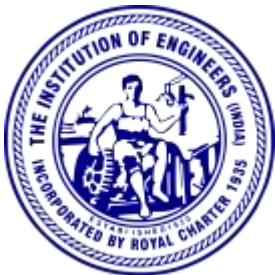
Dr. T Vamsi Nagaraju  
Associate Professor of Civil  
Dean, Research and Development

### Students:

Mallula Tarun Kumar, 22B91A0189  
Jnana Raghavi Jaddu, 22B91A0152  
Biradakota Sri Sai Varshit, 22B91A0123  
Shaik Fayaz, 22B91A01C7

## The Institution of Engineers (India)

### Student Chapter



The Institution of Engineers (India) is a statutory body to promote and advance the engineering and technology, established in 1920 and incorporated by Royal Charter in 1935. It is the largest multi-disciplinary professional body of engineers encompassing fifteen engineering disciplines with a corporate membership of over 2 lakhs, and serving the nation for more than 9 decades. The IEI has its headquarters located in Kolkata with national presence through more than hundred Centres and several Overseas Chapters.

The IE(I) Student chapter of Civil Department, SRKR Engineering College, Bhimavaram, was started in 2006. The student chapter has been regularly arranging lectures from eminent personalities from academia, industry and research on varied topics related to technological developments in Civil Engineering domain.

### Faculty Advisor

Er. MSK Chaitanya, Assistant Professor of Civil

### Student body

1. K. Yeshwanth - 23B91A0167
2. K. Joy Samuel - 23B91A0176
3. K. Lekhana - 23B91A178
4. K. Sravika - 23B91A0181
5. K. Eswari - 23B91A0182
6. M. Rajasri - 23B91A0196
7. M. Maha Lakshmi - 23B91A01A1

8. N. Purna Chandrika - 23B91A01B0
9. P. Jeevan Kumar - 23B91A01B4
10. P. Venkanna Babu - 23B91A01B8
11. P. Krishna Pavan - 23B91A01C6
12. T. Venkata Ramana - 23B91A01F0
13. V. Santosh Kumar - 23B91A01G8



## Transformative Learning: Higher Education Driving the SDG Agenda

T Vamsi Nagaraju\*

\*Dean (Research and Development), SRKR Engineering College, Bhimavaram, India

Sustainable Development Goals (SDGs) The 17 Sustainable Development Goals (SDGs), adopted by all member states of the United Nations in 2015, address a wide spectrum of socio-economic, environmental, and technological challenges. These goals are designed to be universal, applying to every nation worldwide, rather than being limited to countries traditionally categorized as "developing" or "emerging." Significantly, the SDGs broadened the educational scope by incorporating tertiary education alongside primary and secondary education. This inclusion marked a pivotal shift, as higher education had been notably absent from earlier global development frameworks, such as the Millennium Development Goals (MDGs) and the Education for All (EFA) initiative.



Source: <https://sdgs.un.org/goals>

Higher education institutions play a crucial role in equipping students with essential skills to support the implementation of the SDGs. These include strategic thinking, design-oriented approaches, social responsibility, problem-solving abilities, foresight, and effective interdisciplinary collaboration. By integrating the SDGs into higher education curricula, future

professionals can gain the knowledge, tools, and competencies needed to tackle complex, interconnected global challenges. This approach fosters reciprocal learning across high-, middle-, and low-income countries and promotes both interdisciplinary and multidisciplinary problem solving. For example, to ensure environmentally sustainable construction practices, civil engineering students must understand and incorporate SDG principles into their learning and professional development.

The faculty at SRKREC has made significant contributions to research aligned with the United Nations' Sustainable Development Goals (SDGs), as reflected in their extensive publication record. The most notable focus areas include Goal 3: Good Health and Well-Being with 198 publications, emphasizing advancements in healthcare, well-being, and medical innovation, and Goal 7: Affordable and Clean Energy, with 199 publications addressing critical challenges in renewable energy technologies and sustainable energy solutions. Furthermore, key contributions are evident in Goal 9: Industry, Innovation, and Infrastructure (172 publications), highlighting SRKREC's role in driving innovation, sustainable urbanization, and infrastructure development.

SRKREC diverse and impactful research aligns with global priorities, demonstrating its dedication to advancing sustainability through interdisciplinary studies and practical innovations.

#### Publications aligned SDGs (2024)

UN Sustainable Development Goals	Publications (Scopus Indexed) Source: Scopus Institution Id: 60109722
<b>SDG 1 (No poverty)</b>	3
<b>SDG 2 (Zero hunger)</b>	35
<b>SDG 3 (Good health and well-being)</b>	198
<b>SDG 4 (Quality education)</b>	19
<b>SDG 5 (Gender equality)</b>	3
<b>SDG 6 (Clean water and sanitation)</b>	54
<b>SDG 7 (Affordable and clean energy)</b>	199
<b>SDG 8 (Decent work and economic growth)</b>	32
<b>SDG 9 (Industry, innovation and infrastructure)</b>	172
<b>SDG 10 (Reduced inequalities)</b>	8
<b>SDG 11 (Sustainable cities and communities)</b>	66
<b>SDG 12 (Responsible consumption and production)</b>	52
<b>SDG 13 (Climate action)</b>	36
<b>SDG 14 (Life below water)</b>	35
<b>SDG 15 (Life on land)</b>	27
<b>SDG 16 (Peace, justice and strong institutions)</b>	7
<b>SDG 17 (Partnerships for the goals)</b>	24
<b>Total</b>	<b>970</b>



**SRKR**  
ENGINEERING COLLEGE  
AUTONOMOUS



**Interaction with Padma Shri Awardee Prof. Pradeep, IIT Madras**



Presentation of Centre for Inland Aquaculture works by Dr. G Sri Bala to Prof. Pradeep, IIT Madras

**Inland Aquaculture Pond**

**Pond Water**  
Ca<sup>2+</sup>, Alkalinity, Salinity, pH, Mg<sup>2+</sup>

**Sludge**  
Ammonia, Nitrite, Faeces, Bacteria, Phosphorus

**Environmental Geotechnics**  
Briefing: Intensive inland aquaculture research opportunities

## Research Project (funded by DST)



विज्ञान एवं प्रौद्योगिकी मंत्रालय  
MINISTRY OF  
**SCIENCE AND  
TECHNOLOGY**

STI Hub project: Science Technology and Innovation Driven Inland Aquaculture Hub for Bhimavaram Suburbs

Project No. DST/SEED/SCSP/STI/2023/1204

Total Cost of the Project: 96 Lakhs

Interventions:

- (1) Inland aquaculture monitoring using IoT
- (2) Duckweed feed
- (3) Fish oil

### Project Team

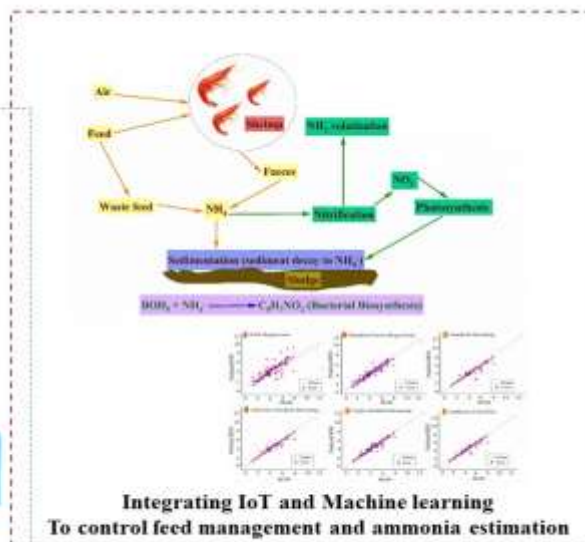
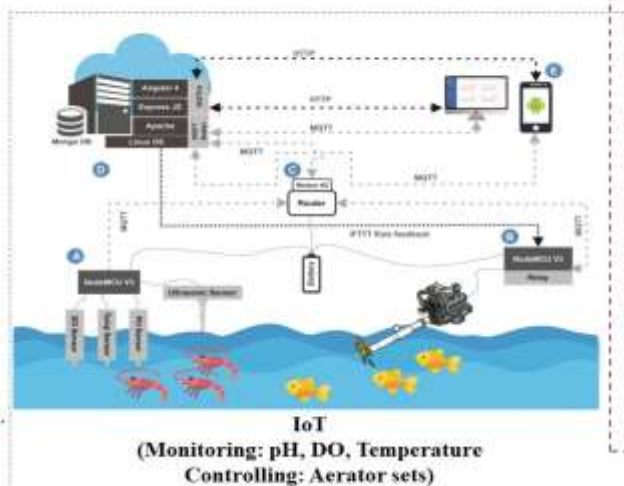
PI: Dr. Harish Kumar Varma, Associate Professor of EEE

Co-PI1: Dr. T Vamsi Nagaraju, Assistant Professor of Civil

Co-PI2: Dr. T Rambabu, Associate Professor of WET Centre

Co-PI3: Dr. K Chalapathi Raju, Assistant Professor of ECE

Co-PI4: Dr. Ch Rama Badhri Raju, Associate Professor of Mechanical



## **INSTITUTE SEED GRANTS**

On the occasion of the 92nd birth anniversary of Late Sri Sagi Rama Krishnam Raju Garu, Four SRKREC SEED grants were released by our Secretary and Correspondent Sri Nishanth Varma, SRKR Engineering College. All proposals were multidisciplinary and aligned with the Sustainable Development Goals (SDGs)

We are thrilled to announce that our Civil Engineering Department has been awarded two multidisciplinary seed grants for product development research projects:

### ***SEED GRANT #1***

"Integrating Deep Learning and IoT for Precision Inland Aquaculture: A Case Study on Vannamei Shrimp Farming"

Dr. G. Sri Bala (Head of Civil Engineering)

### ***SEED GRANT #2***

"Design and Fabrication of Single-Stage HDH Integrated with VCR System"  
Pioneering energy-efficient water desalination and cooling solutions.

Dr. E. Ramanjaneya Raju (Assistant Professor of Civil engineering)



# Advancing Road Safety & Infrastructure through Data-Driven Solutions!

Under the recently signed MoU between SRKR Engineering College and iHub-Data, IIIT Hyderabad, the CIVIL Department at SRKREC will focus on:

- ✓ Enabling data-driven mobility solutions for Indian roads
- ✓ Reducing fatalities on Indian roads
- ✓ Developing technologies for two-wheeler safety in India
- ✓ Implementing scalable road infrastructure inspection

This collaboration will drive impactful research and technological advancements for a safer and smarter transportation ecosystem.



**SRKR**  
ENGINEERING COLLEGE  
AUTONOMOUS



**HUBDATA**  
IIIT HYDERABAD



## Strengthening Industry-Academia Collaboration!

We are delighted to announce that SRKR Engineering College has signed a Memorandum of Understanding (MoU) with Bollineni to foster a dynamic environment for learning and innovation. This collaboration aims to co-organize educational programs, extension activities, and R&D projects, along with initiatives to commercialize jointly developed technologies and intellectual properties. Additionally, it will provide valuable internship opportunities and entrepreneurial training for students, equipping them with industry-ready skills.



**SRKR**  
ENGINEERING COLLEGE  
AUTONOMOUS



## FACULTY PUBLICATIONS

- ❖ Jude, A. B., Divya, P., Chaitanya, M. S. K., Renuka, V., Vanitha, S., & Sankaran, A. (2025). Comparative adsorption of synthetic dyes using low-cost biosorbents: analysis of thermodynamics and isotherms. *GLOBAL NEST JOURNAL*, 27(3). (Q3)
- ❖ Reddy, R. M., Thanikasalam, A., Mohanavel, V., Kumar, P. S., Varma, V. C., Kannan, S., ... & Soudagar, M. E. M. (2025). Effect of Bidirectional Fiber Incorporation on Tensile Properties and Drilling Parameter Optimization of Cellulose Bio Fibers and Glass Fiber Thermoset Composites. *Results in Engineering*, 105741. (SCI, IF: 6.0, Q1)
- ❖ Venkateswarlu, H., Prasad, A. C. S. V., & Jadda, K. (2025). Effect of Triangular-Shaped Fiber on Geotechnical Behavior of Lime-Treated Expansive Clay. *Indian Geotechnical Journal*, 1-15. (ESCI, IF: 1.4, Q3)
- ❖ Thotakura, V. N., Bala, G., Prasad, C. D., Ravindran, G., & Biswal, M. (2025). Machine Learning-Informed Geomaterial Design for Embankment Construction. *Transportation Infrastructure Geotechnology*, 12(1), 1-25. (ESCI, IF: 2.6, Q2)
- ❖ Isleem, H. F., Qiong, T., Chukka, N. D. K. R., Kumar, R., Nagaraju, T. V., & Hamed, A. Y. (2025). Machine learning and nonlinear finite element analysis of fiber-reinforced polymer-confined concrete-steel double-skin tubular columns under axial compression. *Structural Concrete*, 26(1), 248-292. (SCI, IF: 3.0, Q1)
- ❖ Kumari, M. S., & Kumar, B. R. (2025). Effect of Calcium Carbide Residue (CCR) on Index and Engineering Properties of a Remoulded Expansive Clay. In *Indian Young Geotechnical Engineers Conference* (pp. 67-74). Springer, Singapore.
- ❖ Nagaraju, T. V., & Bala, G. S. (2025). Delta Ecosystems: Water Quality and Environment. In *Delta Ecosystems: From Contamination to Conservation* (pp. 1-10). Cham: Springer Nature Switzerland.
- ❖ Nagaraju, T. V., & Bala, G. S. (2025). Climate Change and Coastal Hazards in Delta Ecosystems. In *Delta Ecosystems: From Contamination to Conservation* (pp. 11-19). Cham: Springer Nature Switzerland.
- ❖ Bala, G. S., & Nagaraju, T. V. (2025). Groundwater Dynamics of Godavari Delta in South India: A Geospatial Approach. *Delta Ecosystems: From Contamination to Conservation*, 21-35.
- ❖ Nagaraju, T. V., Bala, G. S., Varma, V. C., & Shyamala, G. (2025). Exploring Phytoremediation Efficacy in Delta Ecosystem Aquaculture Wastewater Through Scientometrics. In *Delta Ecosystems: From Contamination to Conservation* (pp. 109-118). Cham: Springer Nature Switzerland.
- ❖ Bala, G. S., Nagaraju, T. V., & Prasad, C. D. (2025). Harnessing Machine Learning and Deep Learning for Water Quality Analysis in Deltaic Environments. In *Delta Ecosystems: From Contamination to Conservation* (pp. 37-45). Cham: Springer Nature Switzerland.
- ❖ Bala, G. S., & Nagaraju, T. V. (2025). Building Sustainable Delta Futures: Policy Pathways for Conservation. In *Delta Ecosystems: From Contamination to Conservation* (pp. 143-151). Cham: Springer Nature Switzerland.
- ❖ Bala, G. S., & Nagaraju, T. V. (2025). Sustainable Delta Ecosystems: Modern Strategies for Achieving SDGs. In *Delta Ecosystems: From Contamination to Conservation* (pp. 133-141). Cham: Springer Nature Switzerland.

- ❖ Nagaraju, T. V., & Sri Bala, G. (2025). Inland Aquaculture Global Scenario and Sustainability Challenges. In *Inland Aquaculture Sustainability and Effective Water Management Strategies* (pp. 1-13). Springer, Cham. (Scopus)
- ❖ Sri Bala, G., Nagaraju, T. V., Krishnam Raju, G. L. V., & Srinivasa Rao, G. V. R. (2025). Integrating Technology and Sustainability in Inland Aquaculture Water Management. In *Inland Aquaculture Sustainability and Effective Water Management Strategies* (pp. 33-48). Springer, Cham. (Scopus)
- ❖ Sri Bala, G., Nagaraju, T. V., & Srinivasa Rao, G. V. R. (2025). Role of Water in Inland Aquaculture: Need and Impacts. In *Inland Aquaculture Sustainability and Effective Water Management Strategies* (pp. 15-31). Springer, Cham. (Scopus)
- ❖ Chanakya Varma, V., Shyamala, G., Sri Bala, G., & Nagaraju, T. V. (2025). Aquaculture Effluent Treatment and Waste-to-Energy: Driving Inland Aquaculture Sustainability. In *Inland Aquaculture Sustainability and Effective Water Management Strategies* (pp. 49-67). Springer, Cham. (Scopus)
- ❖ Sri Bala, G., Nagaraju, T. V., Krishnam Raju, G. L. V., Rambabu, T., & Harish Kumar Varma, G. (2025). Advancing Estuarine Aquaculture with Remote Sensing for Water Management. In *Inland Aquaculture Sustainability and Effective Water Management Strategies* (pp. 87-97). Springer, Cham. (Scopus)
- ❖ Nagaraju, T. V., Sri Bala, G., Ramanjaneya Raju, E., & Shukla, S. K. (2025). Enhancing Sustainability of Inland Aquaculture Ponds Using Geosynthetics. In *Inland Aquaculture Sustainability and Effective Water Management Strategies* (pp. 99-109). Springer, Cham. (Scopus)
- ❖ Harish Kumar Varma, G., Venugopal Reddy, B., Hemanth Kumar Raju, A., Jain, R. K., Vamsi Nagaraju, T., & Sri Bala, G. (2025). IoT Based Water Quality and Sustainable Photovoltaic Water Pumping System for Inland Aquaculture. In *Inland Aquaculture Sustainability and Effective Water Management Strategies* (pp. 111-121). Springer, Cham. (Scopus)
- ❖ Sri Bala, G., Nagaraju, T. V., Krishnam Raju, G. L. V., & Chaitanya, M. S. K. (2025). Adapting to Climate Change: Resilience in Inland Aquaculture. In *Inland Aquaculture Sustainability and Effective Water Management Strategies* (pp. 151-162). Springer, Cham. (Scopus)



## Inland Aquaculture Pond



## Environmental Geotechnics

E-ISSN 2051-803X

Volume 12 Issue 3, April 2025, pp. 178-182

< Prev Next >

### Briefing: Intensive inland aquaculture ponds: challenges and research opportunities

Authors: [J. Vamsi Nagaraju](#) [B.M. Sunil](#)

Author Affiliations

<https://doi.org/10.1680/jenge.23.00090>

## Best Paper Award

Happy to share that our department faculty and Dean R&D, Dr. T Vamsi Nagaraju, has received the BEST PAPER AWARD at AIRISE-2025!

Congratulations, Dr. Vamsi, on this remarkable achievement! Your dedication to research and innovation continues to inspire us all.



## Session Chair



## Conference Presentations



## REMARKABLE JOURNEY

### Sri V. Venkateswara Raju: A Remarkable Journey of 33 Years of Teaching

Our heartfelt gratitude to Associate Professor V. Venkateswara Raju, who will be retiring on May 31st, 2025, after an extraordinary 33 years of dedicated service to the Department of Civil Engineering, SRKR Engineering College.

Through his tireless commitment, passion for teaching, and unwavering guidance, he has shaped the careers of countless students and contributed immensely to the department's growth. His mentorship, discipline, and work ethic have left a lasting legacy in the minds of everyone who had the privilege of learning from or working with him.

Wishing him a happy, healthy, and fulfilling retirement. Your contributions will always be remembered and celebrated.





## **STUDENTS WIN SECOND PRIZE NATIONAL TECHNICAL CARNIVAL!**

We are delighted to share that our Civil Engineering students have secured the Second Prize at "2K25 MPa -Filter Frenzy: A Clean Water Challenge," a prestigious Two-Day National Level Technical Carnival hosted by Aditya University on March 7-8, 2025.

The team of B.Tech III Year students – Harshita Vajapeyayajula, T.G.S. Satya Devi, and O.V.D.D. Parvathi – presented an innovative water purification model using eco-friendly materials.

This achievement comes with a cash prize of Rs. 5,000/- and stands as a testament to the quality of education and mentorship at SRKREC.

Special appreciation to Mentor Penupothula Raju, Assistant Professor in the Department of Civil Engineering.



## DEPARTMENT ACTIVITIES

### UPSC examination preparation strategies by Joint Collector, WG, AP

08-01-2025: Sri T. Rahul Kumar Reddy, I.A.S., Joint Collector, Bhimavaram, West Godavari, AP, addressed the students of SRKR Engineering College on UPSC examination preparation strategies, sharing valuable insights from his experience. It was one of the most inspiring and impactful talks in recent times.



### Faculty Development Programme (FDP)!

We are delighted to share the successful completion of the Online Faculty Development Programme (FDP) on "Structural and Geotechnical Innovations: New Insights and Techniques in World Research (SAGI-NITW)", held from 20th to 25th January 2025.

A heartfelt thanks to all the resource persons for delivering engaging and insightful talks, sharing their expertise, and inspiring participants with cutting-edge advancements in structural and geotechnical engineering. Your contributions have truly enriched this program!

Co-ordinators: Dr. E. Ramanjaneya raju and Dr. P. V. Rambabu

Name of the Resource Person	Designation & Institution	Topic Covered
Dr. Pradeep Kumar D	Assistant Professor, IIT Jodhpur	Significance of advanced soil testing for seismic soil structure interaction analysis- Lessons from case studies
Dr. B. R. Phani Kumar	Senior Professor, S. R. K. R. Engineering college, Bhimavaram	Expansive soils: Problems and remedies
Dr. Sri Kalyana Rama Jyosula	Associate Professor, Mahindra University, Hyderabad	Low carbon materials in precast structural systems: Future of construction.
Dr. V. Ramana Murthy	Professor, NIT Warangal	Solutions to practical geotechnical problems
Dr. Prasanna Kumar Behera	Assistant Professor, IIT Tirupathi	Understanding steel concrete interface in concrete structures
Dr. P. Rathish Kumar	Professor, NIT Warangal	Multi-recycled aggregate concrete: An innovative solution towards sustainable tomorrow



### Insights on Geospatial AI!

We were honored to have Prof. Y V N Krishna Murthy, Adjunct Professor at IIT Tirupati, Former Director of IIRS & NRSC, and Former Scientific Secretary at ISRO, deliver a guest talk to our students on Geospatial AI.

His session provided valuable insights into the importance of geoinformatics, IoT, and AI integration, along with the vast opportunities in this evolving domain. His expertise and vision continue to inspire the next generation of researchers and technologists!



### SUPERNOVA - 2K25 | National Level Technical Symposium

The Civil Engineering Department of S.R.K.R. Engineering College successfully hosted SUPERNOVA - 2K25, a national-level technical symposium that brought together bright young minds to explore innovations in civil engineering.

We were honored to have Dr. Sri Kalyana Rama Jyosyula, Associate Professor, Dept. of Civil Engineering, Mahindra University, as our Chief Guest. His insightful lecture captivated the audience, offering valuable perspectives on advancements in the field.

The event, held on 15th February 2025 at the Civil Seminar Hall, was a great platform for students to engage, learn, and contribute to the ever-evolving world of civil engineering.

**S R K R ENGINEERING COLLEGE (A)**  
CHINNA AMIRAM, BHIMAVARAM-534204, WEST GODAVARI, AP.

**DEPARTMENT OF CIVIL ENGINEERING**  
PRESENTS

**A NATIONAL LEVEL STUDENTS' TECHNICAL SYMPOSIUM**

**SUPERNOVA**

**2K25**  
**FEBRUARY 15<sup>th</sup>**

**OUR POWER OUR PLANET**

**BRIDGE CRAFT** "BRIDGE IT"  
**ARCBOX** "BRICK ARCH"  
**NAVTECH** "MAP POINTING"  
**ECOCOSMOS** "RENEWABLE SOURCES"  
**QUIZTOPIA** "QUIZ"  
**TALK TURF** "DEBATE"  
**BLUE PRINT** "TOWN PLANNING"  
**REEL SPARK** "REEL IT"

**...YOU SEE THE WORLD THE WAY WE BUILD IT...**

FOLLOW US ON **SUPERNOVA\_2K25** Registration Fee: FOR ALL EVENTS: Rs-500/- Mail us at :supernova2k25@gmail.com

<b>CHIEF PATRONS :</b> SRI B. PRASAD RAJU SRI P. KRISHNAM RAJU SRI D. RAMA RAJU SRI S. V. RANGA RAJU	<b>PATRONS :</b> SRI S.R.K. NISHANTH VARMA DR.K.S.VIJAYA NARASIMHA RAJU SRI S. SATYA PRATHIK VARMA <b>CO PATRONS :</b> DR. M. JAGAPATHI RAJU	<b>CHAIRMAN :</b> DR. K.V.MURALI KRISHNAM RAJU <b>CONVENOR :</b> DR.D.SRI BALA <b>FACULTY ADVISOR :</b> DR. P.V.RAMBABU	<b>FACULTY COORDINATORS :</b> SRI. M.VENKATA RAD SRI. M.S.K.CHAITANYA SRI. K.JAGADEEP DR. E.RAHAMANJANEYA RAJU	<b>STUDENT COORDINATORS :</b> K.BURYA - 9347900332 M.HARI - 8143187749 K.NAGENDRA - 7386931090 KANJANI - 7989342858
--	---	--	--	---



## CRRI Team Faculty Interaction

CSIR-CRRI team, led by Chief Scientist Dr. P. S. Prasad and Principal Scientist Dr. Bharath Gottumukkala, visited our department. Their insightful discussions on student skill development, internships, and faculty research collaborations have opened new avenues for academic and industry partnerships.



## Five-Day Skill Development Program

Successful commencement of inaugural of the five-day skill development program on “The Application of Geo-synthetics in Road Infrastructure Projects” at SRKR Engineering College, Bhimavaram.

This prestigious program is jointly organized by:  
CSIR-Central Road Research Institute (CRRI), New Delhi

National Technical Textile Mission (NTTM), Ministry of Textiles, Government of India

in association with

SRKR Engineering College, Bhimavaram

We were honored to have Prof. Manoranjan Parida, Director, CSIR-CRRI, and President, IRC, as the Chief Guest for the inaugural event. His valuable insights and presence made the event even more significant.

This program aims to equip civil engineering students with essential skills and knowledge in geo-synthetics for effective road infrastructure projects. We look forward to impactful sessions, active participation, and a productive learning experience for all.



### ***Key Takeaways from Day 1:***

Participants gained valuable insights into the fundamentals of geo-synthetics, their applications, material properties, and their significance in road infrastructure projects. Engaging sessions, interactive discussions, and expert guidance set a strong foundation for the days to come. A special thanks to our esteemed speakers and resource persons:

Dr. G V Ramana, NIT Warangal

Dr. T Vamsi Nagaraju, SRKR Engineering College

Dr. Ravi Shankar, CSIR-CRRI



### ***Key Takeaways from Day 2:***

Participants delved deeper into the practical aspects of geo-synthetics, understanding their diverse applications, material properties, and their critical role in enhancing road infrastructure. Interactive sessions, expert-led discussions, and hands-on learning made it a truly enriching day. A special thanks to our distinguished speakers:

Dr. Kanwar Singh, CSIR-CRRI

Dr. Ravi Shankar, CSIR-CRRI



**Key Takeaways from Day 3:**

The day was filled with engaging discussions, expert-led sessions, and hands-on learning, making it a truly enriching experience.

A special thanks to our eminent speakers for sharing their invaluable knowledge and expertise:

Dr. P S Prasad, CSIR-CRRI

Dr. Bharath Gottumukkala, CSIR-CRRI

Mr. Rahul Kumar, Tech Fab India

Dr. A K Sinha, CSIR-CRRI





**Key Takeaways from Day 4:**

- Practical applications of geo-synthetics in road infrastructure
- Understanding geocells importance and application
- Expert-led case studies and hands-on learning
- Engaging discussions on sustainability and innovation in road construction

A heartfelt thank you to our eminent speakers for sharing their expertise and valuable insights:

Dr. P. S. Prasad – CSIR-CRRI

Mr. Rahul Kumar – Tech Fab India

Dr. A. K. Sinha – CSIR-CRRI

Dr. Deeraj Kumar Reddy – Tech Fab India





### ***Key Takeaways from Day 5:***

- Practical applications of geo-synthetics in road infrastructure
- In-depth understanding of material properties and structural enhancements
- Expert-led case studies and hands-on learning
- Engaging discussions on sustainability and innovation in road construction

A special thank you to our distinguished speakers for their invaluable insights and expertise:

Dr. G Bharat – CSIR-CRRI

Dr. Deeraj Kumar Reddy – Tech Fab India



### **Valedictory Ceremony – Skill Development Program on Geo-synthetics!**

We are honored to conclude our Five-Day Skill Development Program on "The Application of Geo-synthetics in Road Infrastructure Projects" with a grand valedictory ceremony at SRKR Engineering College, Bhimavaram.

✦ Chief Guest:

Shri Raghu Rama Krishnam Raju, Deputy Speaker, AP Legislative Assembly

Guest of Honor:

Shri S R K Nishant Varma, Secretary & Correspondent, SRKR Engineering College

Also gracing the occasion:

- ✓ Director, SRKREC
- ✓ Principal, SRKREC
- ✓ CSIR-CRRI Team
- ✓ Program Coordinators, Faculty & Students



### **Field visit: Concrete batching plant**

12 April, 2025: Today, our 2nd-year UG Civil Engineering students had an enriching field visit to a concrete batching plant and a traditional clay brick kiln.

The field visit was expertly led by Mr. Penupothula Raju, Assistant Professor, who guided students through the processes of material handling, batching operations, and brick manufacturing techniques.

This hands-on exposure bridges theoretical concepts with real-world applications in construction technology.



### People's Water Data Program

The "People's Water Data" program, organized by **Indian Institute of Technology, Madras** and Tel Aviv University, has been successfully completed!

The practical sessions were proudly hosted by the Department of Civil Engineering, **SRKR Engineering College**, Bhimavaram.

A big shout-out to all the students for their hard work, and active participation, you truly made this program a success!

Special thanks to

Dr Ramya, Course Coordinator, IIT Madras

Suzan Kagan, Coordinator, TAU

Mr. Sudhir, Infrastructure Head





### Field Visit as Part of People's Water Data Program

Had an insightful field visit to Kolleru Lake, one of Asia's largest shallow freshwater lakes and a designated Ramsar wetland, as part of the People's Water Data program.

Dr. Ramya Dwivedi and Mr. Sudhir S from IIT Madras, along with faculty and students from Civil Engineering Department, collaborated to collect water samples aimed at identifying heavy metal traces in the lake. This initiative is a crucial step toward understanding and improving water quality in ecologically sensitive regions.



### Waste Management Program by Centre for Clean and Sustainable Environment

- Awareness campaigns on waste management and eco-friendly disposal methods.
- Waste segregation at source in all departments, laboratories, and the canteen.
- Installation of blue and green bins at appropriate locations to collect recyclable and wet waste.
- Wet waste is composted through aerobic compost pits established on campus.





## Skill Enhancement Program for Non-Teaching Staff

13–17 May, 2025: We are happy to share that the Department of Civil Engineering conducted a Skill Enhancement Program exclusively for our non-teaching staff. The week-long initiative aimed to strengthen digital literacy and practical field skills that are essential in today's academic and technical environments.

Resource Person: Mr. MSK Chaitanya, Assistant Professor, Civil Engineering  
Topics Covered:

MS Excel – Data handling, formatting, formulas, and basic analytics

MS Word – Document preparation, formatting tools, and report structuring

Surveying with Total Station – Hands-on training and field applications

This program was a step towards capacity building and professional growth of our support staff, who play a vital role in the smooth functioning of academic departments.



**Spring at SRKREC is not just a season  
—it is a reminder of responsible  
growth, resilience, and a greener  
future in the making.**



**2025 SPRING**

# PLACEMENTS



**Hearty Congratulations**  
and Best Wishes to our Students for getting selected in  
Megha Engineering & Infrastructure Limited (MEIL).

**43**  
STUDENTS

Selected in  
**meil**

CIVIL	MECH	EEE
29	08	06

SRKREC: Generating Future Ready Leaders...

WWW.SRKREC.AC.IN | @SRKRECOFFICIAL | @SRKR\_ENGINEERING\_COLLEGE | @SRKREC1983



**Hearty Congratulations**  
and Best Wishes to our 12 CIVIL Students for getting  
selected in Ashoka Builders India Private Limited (ASBL)  
as a Graduate Engineer Trainee.

**12**  
STUDENTS

Selected in  
**ASBL**

SRKREC: Generating Future Ready Leaders...

WWW.SRKREC.AC.IN | @SRKRECOFFICIAL | @SRKR\_ENGINEERING\_COLLEGE | @SRKREC1983



**Hearty Congratulations**  
for getting selected in  
**sify** Package  
4.25 LPA

 S SAI KIRAN CORPORATE, ENR	 S NAGA NAVYA SRI CORPORATE, EE	 B PHANI SUBHASH CORPORATE, MECH	 C RAJESH CORPORATE, MECH
--	--	---	--

SRKREC: Vibrant Future Begins Here...

WWW.SRKREC.AC.IN | @SRKRECOFFICIAL | @SRKR\_ENGINEERING\_COLLEGE | @SRKREC1983



**Hearty Congratulations**  
and Best Wishes to our Students for getting selected  
in Techwave as 'Telecom Designers'

**33**  
STUDENTS

Selected in  
**techwave** Package  
3.0 LPA

CIVIL	EEE	ECE	MECH
15	12	03	03

SRKREC: Generating Future Ready Leaders...

WWW.SRKREC.AC.IN | @SRKRECOFFICIAL | @SRKR\_ENGINEERING\_COLLEGE | @SRKREC1983



**Hearty Congratulations**  
and Best Wishes to our Students for getting selected in  
Angelique International Limited as a Graduate Engineer Trainee.

Angelique International Limited | **5.5 LPA**

 S SANKAR RAO CORPORATE, ENR	 S SRINIVAS MADHAVI CORPORATE, EE	 M P O POOJITHA SAI CORPORATE, EE	
 P VINAY SAMPATH CORPORATE, EE	 J E CHAITANYA SRI RAM CORPORATE, EE	 B SIVAM SAI CORPORATE, EE	 T S S YASHUVARAN CORPORATE, EE

SRKREC: FUTURE BEGINS HERE...

WWW.SRKREC.AC.IN | @SRKRECOFFICIAL | @SRKR\_ENGINEERING\_COLLEGE | @SRKREC1983



**Hearty Congratulations**  
to our Students for getting selected in Balfour Beatty  
Infrastructure India Pvt Ltd as a Graduate Engineer Trainee.

**Balfour Beatty** | **5.0 LPA**

 S SAMBASIVA CIVIL	 Y CHANDINI CIVIL
--	--

SRKREC: Vibrant Future Begins Here...

WWW.SRKREC.AC.IN | @SRKRECOFFICIAL | @SRKR\_ENGINEERING\_COLLEGE | @SRKREC1983

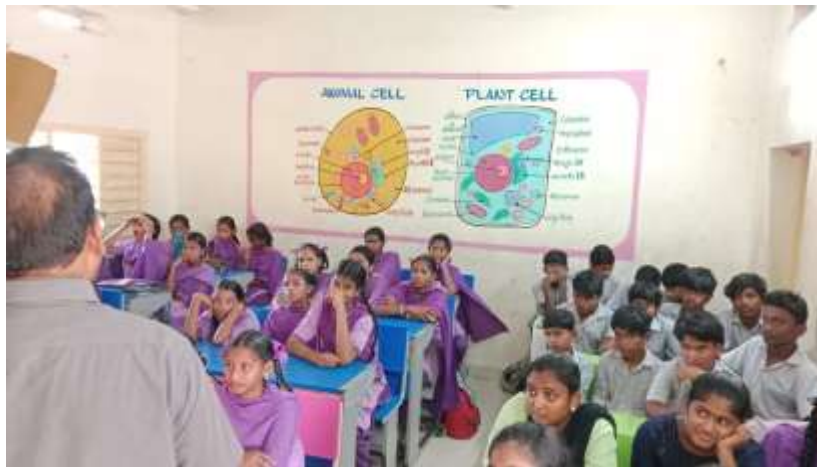
# SOCIETAL IMPACT

**Unnat Bharat Abhiyan** is inspired by the vision of transformational change in rural development processes by leveraging knowledge institutions.

## SRKREC UBA Cell



### Gallery (Jan-June, 2025)



March 29, 2025: Dr. B. Pavani, RCI Coordinator, Visakhapatnam, visited the Bio Gas Plant established under the SEG project (RP-03525G) at Peda Amiram. The visit, facilitated by SRKREC and the UBA Cell, highlighted the innovative use of organic waste from the Goshala and domestic kitchens to generate sustainable energy.

During her visit, Dr. Pavani commended the project submitted by the Principal Invigilator, Dr. K. Mehar Ganesh, a Professor of Civil Engineering. She appreciated the project's success and encouraged replication of such sustainable waste management systems in other villages.

### BIO GAS PLANT



## ACADEMIC COLLOBRATION

### Internship Milestone

Our final year Civil Engineering students have successfully completed their internship at **Mahindra University**, Hyderabad! Over the course of their journey, they gained hands-on experience in cutting-edge areas such as:

- ◆ 3D Printing of Concrete
- ◆ Geosynthetics Applications
- ◆ Structural Health Monitoring

This exposure has significantly enhanced their technical skills, research orientation, and real-world problem-solving capabilities.

A special thanks to Dr. Ch. Hari Prasad, Dr. Sri Kalyana Rama Jyosyula, and the esteemed faculty team at Mahindra University for their unwavering guidance, mentorship, and support in shaping the future of our students.



# Green Initiative Prototype

Civil Engineering students who have taken a significant step toward environmental resilience through their Mini Project: Floating Bed in Pond Ecosystem.

The floating bed (with sustainable materials) serves multiple ecological functions:

Consumes excess nutrients in water bodies

Provides habitat for aquatic biodiversity

Water quality monitoring with IoT

Supports plant roots and biomedica, which promote beneficial microbial growth.

## *Project Batch*

M. Tarun Kumar (22B91A0189)

N. Ravi Varma (22B91A0198)

M. Charan Kumar (22B91A0188)

K. Ganesh (22B91A0180)

S. Praneeth (22B91A01C3)

Ramu (22B91A01C4)

Varshit (22B91A0123)

K. Komalkumar (23B95A0118)

Shaik Khajavali (23B95A0132)

R. Naveen (23B95A0130)





**BEST WISHES**  
**2021-2025 GRADUATED BATCH**





**BEST WISHES**  
**2021-2025 GRADUATED BATCH**



## EVENT OF THE YEAR



Application of Geo-synthetics in  
Road Infrastructure Projects

This prestigious program is jointly  
organized by:

CSIR-Central Road Research  
Institute (CRRRI), New Delhi

National Technical Textile Mission  
(NTTM), Ministry of Textiles,  
Government of India

in association with

SRKR Engineering College,  
Bhimavaram



## ACADEMIC PARTNER

International Conference on Civil, Environmental, and Applied Sciences (ICCEAS 2025), scheduled to be held on 18–19 July 2025.

This prestigious event aims to bring together researchers, academicians, industry professionals, and students to share innovations, address challenges, and explore advancements in the following domains:

1. Civil Engineering
2. Environmental Sciences
3. Applied Sciences

### Highlights:

- 👉 All accepted and registered papers will be published in Scopus-indexed journals
- 👉 A platform to network with experts and peers from academia and industry
- 👉 Abstract Submission Deadline: 10th May 2025
- 👉 Host Institute Website: <https://giet.edu.in/>
- 👉 For any queries, feel free to write us at: [icceas@giet.edu.in](mailto:icceas@giet.edu.in)

**Gandhi Institute of Engineering and Technology University, Odisha, Gunupur**

### Academic Partner

SRKR Engineering College

G Sri Bala

SRKREC CIVIL Department



**Innovating Sustainable Futures through Science and Engineering**  
ICCEAS 2025  
Global Perspectives. Local Solutions. One Platform.

**Gandhi Institute For Education and Technology**  
Baniatangi, Bhubaneswar, Odisha, India-752060

**CONTACT**  
Dr Sovan Sankalp Mob:+91 7008038833  
Dr Gangadhar Purohit Mob:+91 9035 309 554  
Dr Arpan Pradhan Mob:+91 7504 459 296

**Host Institute Website**  


**Conference Website**  


**SCAN HERE FOR ABSTRACT SUBMISSION**  


**PUBLISHING PARTNER**  
ESS Web of Conferences  
International Journal of Latest Technology in Engineering, Management & Applied Sciences (IJLETMAS)  
Peer-Reviewed (Refereed) Journal

**Scopus**  
**edp sciences**  
**Clarivate**  
**ProQuest**  
**CAS**

**All Accepted Papers will be published in Scopus Indexed Publications and Peer -Reviewed Journals**

**International Conference on CIVIL, ENVIRONMENTAL & APPLIED SCIENCES ICCEAS 2025**  
18 and 19 July 2025  
Organized by  
Department of Civil Engineering and Basic Science & Humanities  
in academic partnership with

**SRKR**  
**SRM UNIVERSITY AP**  
**CHRIST**  
**CENTURION UNIVERSITY**

**NATIONAL ADVISORY COMMITTEE**  
Dr. Poojai Kumar Gupta, Ramarajan Fellow, IIT Delhi, India.  
Dr. T Varni Nagaraja, Dean (R&D) B.R.E.R Engineering College, AP, India.  
Dr. Ravindra Gobind, Professor & Dean (SRD), Choudhary University, India.  
Dr. Jyotsna Das, Assistant Professor & HOD, Bangor College, India.  
Dr. Arpan Pradhan, Assistant Professor, Christ University, Bangalore, India.  
Dr. Ravneeta KVNS, Associate Professor & HOD, SRM University, AP, India.  
Dr. Prafulla Kumar Panda, Professor & Dean (SoE), German University, India.

**ACADEMIC PARTNER**  
SRKR Engineering College  
G Sri Bala  
SRKREC CIVIL Department

# UPCOMING



**NATIONAL ACCREDITATION BOARD FOR TESTING AND CALIBRATION LABORATORIES**



**QUALITY COUNCIL OF INDIA**  
Creating Excellence for India



**SRKR ENGINEERING COLLEGE**  
Bhimavaram

Department of Civil Engineering, Sagi Rama Krishnam Raju Engineering College (SRKREC), Bhimavaram, Andhra Pradesh in Collaboration with NABL is conducting

## Guvatta Yatra Awareness Program on NABL Accreditation & its benefits



**SRKREC BHIMAVARAM**

**JUN 2025**  
WEDNESDAY

**10 AM TO 3 PM**

**NABL**, as an accreditation body complies to ISO/IEC 17011:2017 and is a full member (signatory) to Asia Pacific Accreditation Co-operation (APAC) and International Laboratory Accreditation Cooperation (ILAC) Mutual Recognition Arrangement (MRA).

NABL provides impartial, third party accreditation services to Conformity Assessment Bodies (CABs)

- Testing and Calibration Laboratories
- Medical Testing Laboratories
- Proficiency Testing Providers (PTP)
- Reference Material Producers (RMP)

**DELIVERABLES**

- About NABL
- Accreditation Process
- Benefits of NABL Accreditation

**WHO TO ATTEND?**

- Academic
- Manufacturers/ Professionals from industry
- Government / Regulators
- Top / Middle Management of Laboratory



**Registration Link:**  
<https://forms.office.com/r/06e546e3d47d4d>

The Registration for event is at no cost. Venue details will be shared on email after registration

Dr. T. Venkateshwar Reddy (t.venkateshwar@nabl.gov.in) | +91 8034 31991

NABL Accreditation Board for Testing and Calibration Laboratories (NABL)  
Regional Office: NABL, Bangalore, 11111st Floor, 5th A Main Road, Hebbal Kempapura, Hosur Bangalore, Karnataka - 560064  
Head Office: NABL, Head Office No. 45, Sector-44 Gurgaon, Haryana - 122002  
Email: info@nabl.gov.in | Ph: 0124-407570 | www.nabl-india.org

Dr. T. Venkateshwar Reddy  
Dean (Research and Development)  
S.R.K.R. Engineering College  
Bhimavaram - 524204



**NATIONAL ACCREDITATION BOARD FOR TESTING AND CALIBRATION LABORATORIES**



**QUALITY COUNCIL OF INDIA**  
Creating Excellence for India



**SRKR ENGINEERING COLLEGE**  
Bhimavaram

Department of Civil Engineering, Sagi Rama Krishnam Raju Engineering College (SRKREC), Bhimavaram, Andhra Pradesh in Collaboration with NABL is conducting

## Guvatta Mitra Training Program on ISO/IEC 17025



**SRKREC BHIMAVARAM**

**12-13 AUG 2025**  
TUESDAY & WEDNESDAY

**10 AM TO 5 PM**

**NABL**, as an accreditation body complies to ISO/IEC 17011:2017 and is a full member (signatory) to Asia-Pacific Accreditation Co-operation (APAC) and International Laboratory Accreditation Cooperation (ILAC) Mutual Recognition Arrangement (MRA).

NABL provides impartial, third party accreditation services to Conformity Assessment Bodies (CABs)

- Testing and Calibration Laboratories
- Medical Testing Laboratories
- Proficiency Testing Providers (PTP)
- Reference Material Producers (RMP)

**DELIVERABLES**

- About NABL
- Accreditation Process
- ISO/IEC 17025

**WHO TO ATTEND?**

- Academic
- Manufacturers/ Professionals from industry
- Government / Regulators
- Top / Middle Management of Laboratory



**Registration Link:**  
<https://forms.office.com/r/770ee60646>

The Registration for event is of Rs. 2500/- Venue details will be shared on email after registration

Dr. T. Venkateshwar Reddy (t.venkateshwar@nabl.gov.in) | +91 8034 31991

NABL Accreditation Board for Testing and Calibration Laboratories (NABL)  
Regional Office: NABL, Bangalore, 11111st Floor, 5th A Main Road, Hebbal Kempapura, Hosur Bangalore, Karnataka - 560064  
Head Office: NABL, Head Office No. 45, Sector-44 Gurgaon, Haryana - 122002  
Email: info@nabl.gov.in | Ph: 0124-407570 | www.nabl-india.org

Dr. T. Venkateshwar Reddy  
Dean (Research and Development)  
S.R.K.R. Engineering College  
Bhimavaram - 524204

Dr. T. Venkateshwar Reddy  
Dean (R & D)  
S.R.K.R. Engineering College  
Bhimavaram - 524204

Dr. G. S. Babu  
Head of Department  
Department of Civil Engineering  
SRKR Engineering College  
Bhimavaram - 524204

Dr. J. Ramaprasad Reddy  
Assistant Professor  
Department of Civil Engineering  
SRKR Engineering College  
Bhimavaram - 524204