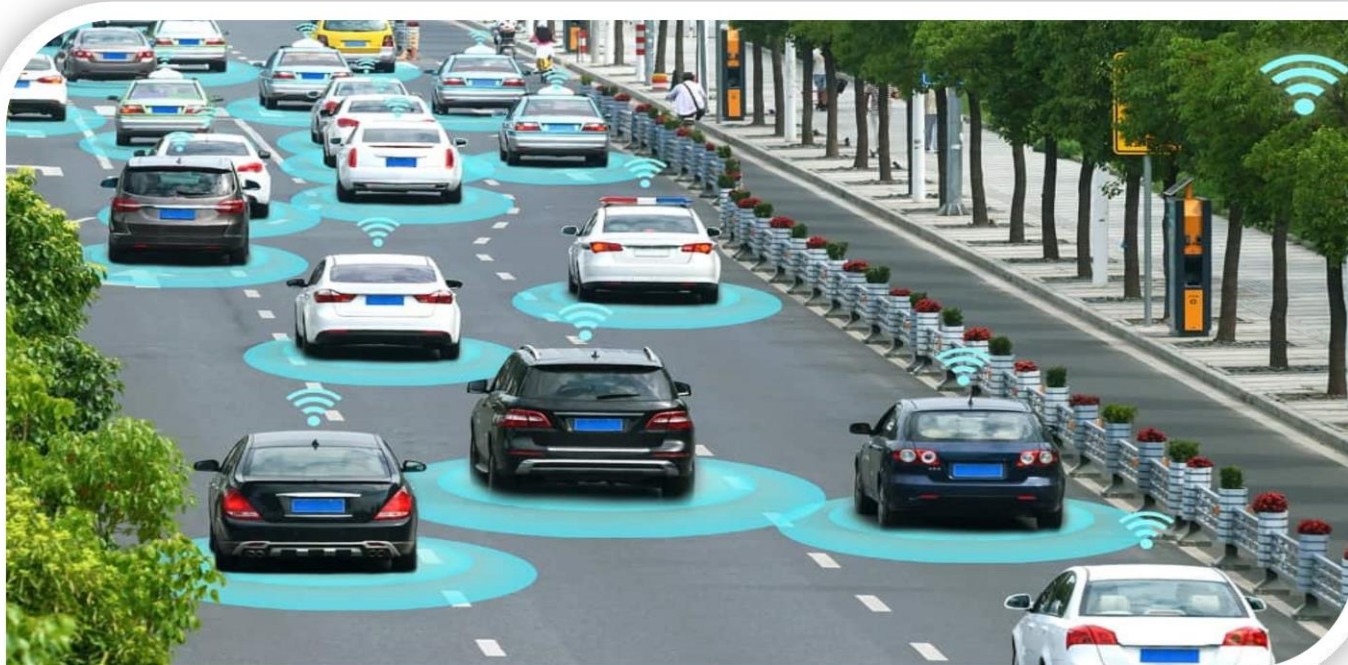




CIVIL ENGINEERS ASSOCIATION NEWS LETTER (CEAN)



Advanced Traffic Management System (ATMS)

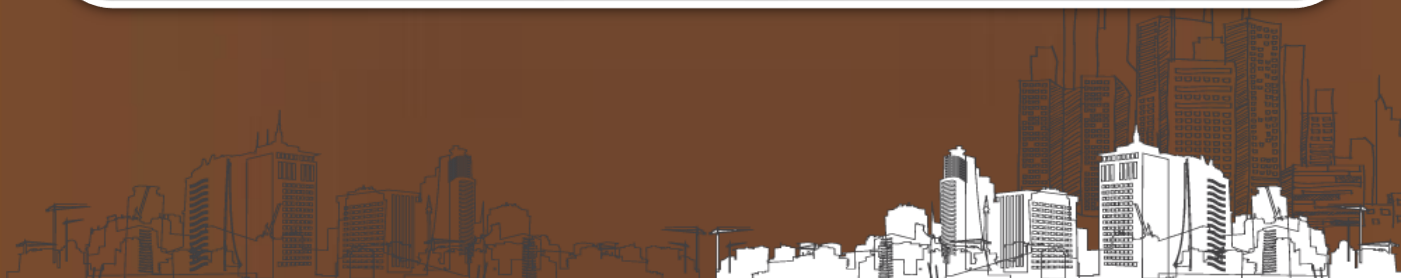
**SHRI VISHNU ENGINEERING COLLEGE FOR WOMEN::BHIMAVARAM
(AUTONOMOUS)**

DEPARTMENT OF CIVIL ENGINEERING

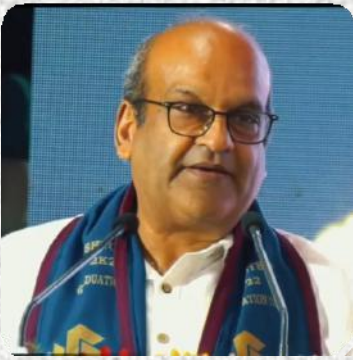
Approved by AICTE & Affiliated to JNTUK, Kakinada

Accredited by NBA & NAAC with 'A+' Grade

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



"A man who rose from the state of subservient to an affluent status by his dedication and hard work"



Shri K.V. Vishnu Raju
Chairman



Shri R. Ravi Chandran
Vice-chairman



Shri K. Aditya Vissam
Secretary

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

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

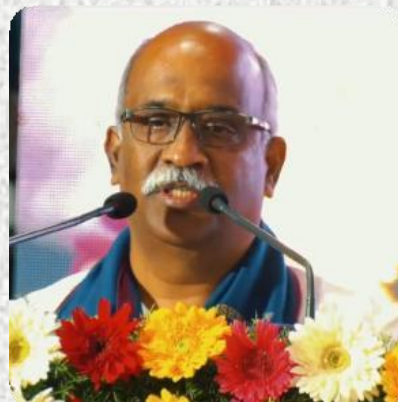
Approved by AICTE & Affiliated to JNTUK, Kakinada

Accredited by NBA & NAAC with 'A+' Grade

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



Dr. P. Srinivasa Raju
Vice-Principal



Dr. G. Srinivasa Rao
Principle



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

INDEX

Page No

1. Vision, Mission and PEO,s of Civil Department.....	1
2. Keynote Speaker.....	2
3. Editorial ship (Journal's).....	3
4. Recognized Reviewer Certificate.....	7
5. Chief Guest.....	4
6. Workshop Conducted.....	5
7. Celebrated K.L.Rao's 125 th Birth Anniversary	6
8. Workshops Attended by Students.....	6
9. Advanced traffic management system.....	7 - 8
10. New Hands in the Department.....	9
11. Technical Fest Attended by students.....	10
12. Placements.....	10 -11
13. Higher Education.....	12
14. Extra circular Activities.....	13

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)

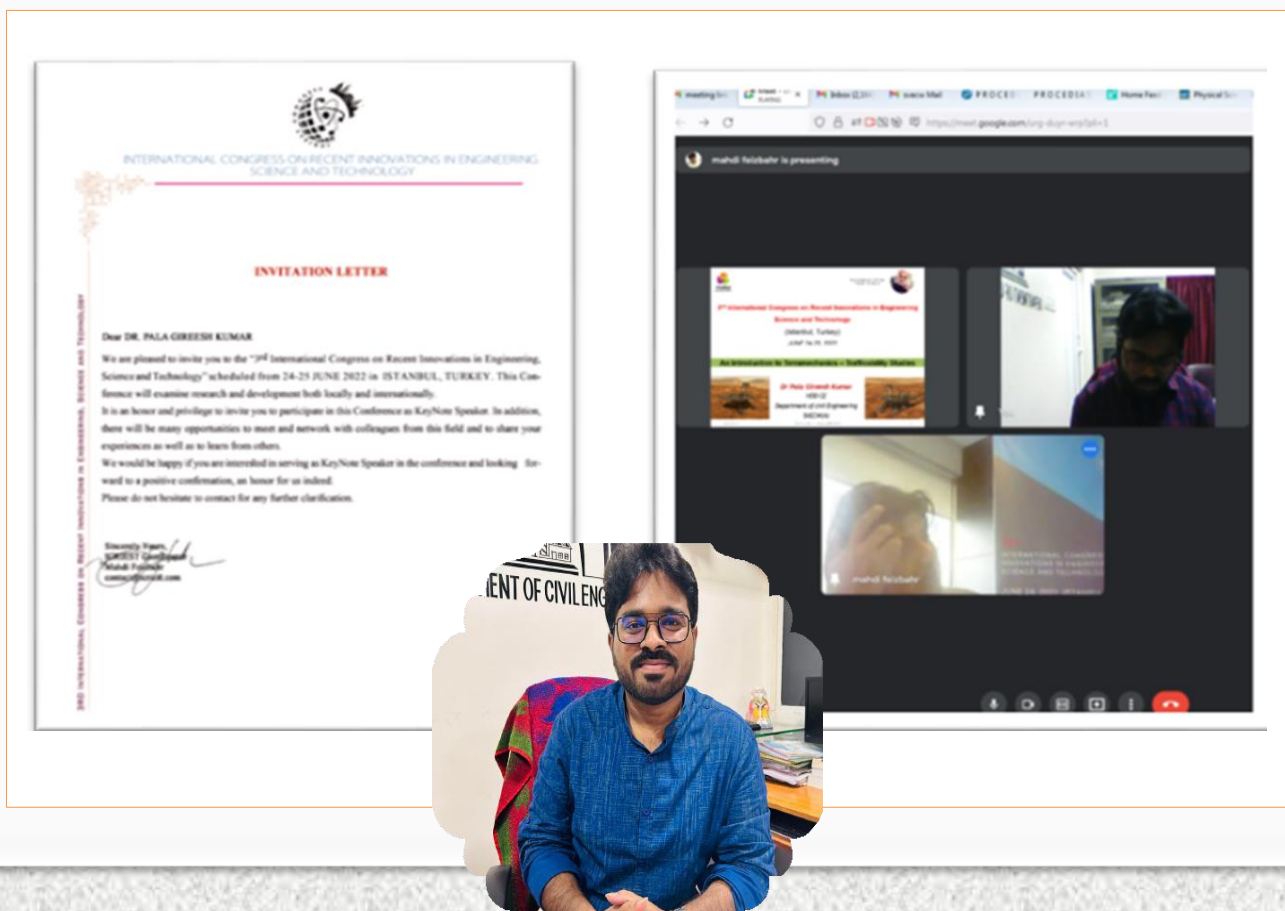
- To apply the knowledge of fundamental sciences in civil engineering and provide optimum solutions for real life problems
- To adopt contemporary engineering knowledge to become an ethical civil engineer
- To flourish in continued education and employment with an orientation to serve the society.

□ Keynote speaker

- **Dr. Pala Gireesh Kumar** - Associate Professor & Head of the Department
E-mail – gireeshcivil@svecw.edu.in
- **Research Interests** - Terramechanics, Pavement Materials, Traffic Engineering, Pedestrian Behaviour, Vehicular Pollution, Materials in construction

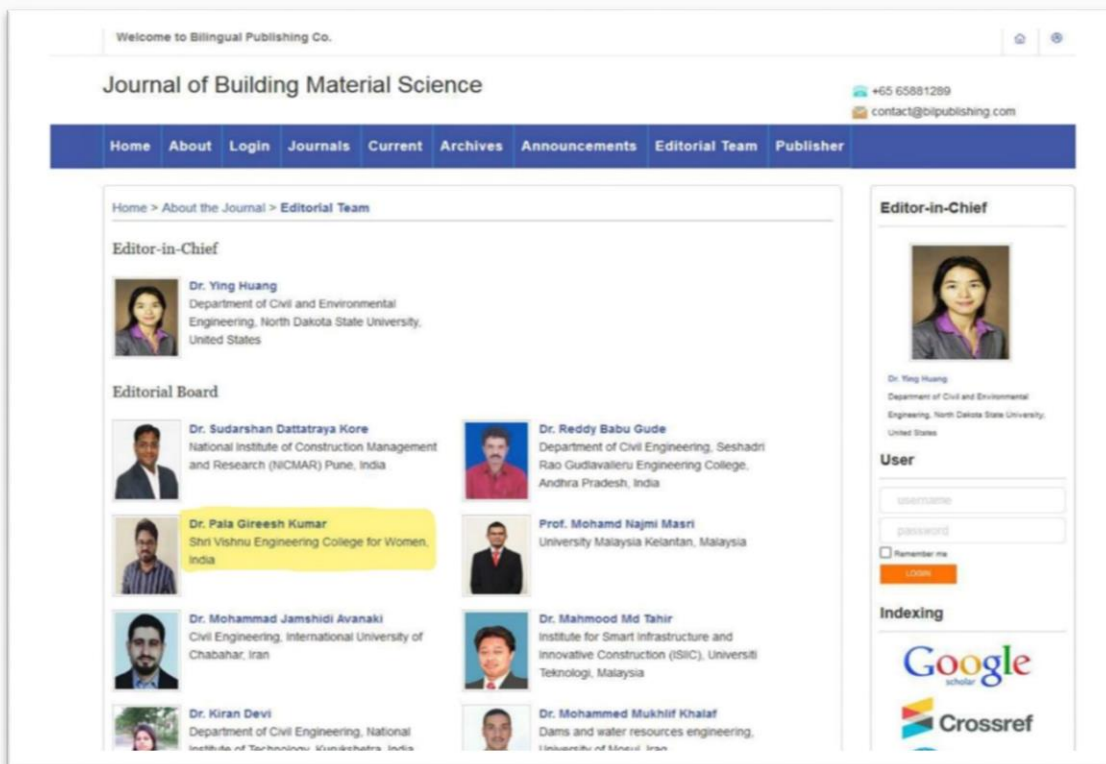
Dr Pala Gireesh Kumar was invited as keynote speaker for the “3rd International Congress on Recent Innovations in Engineering, Science and Technology” held on 24th & 25th June 2022 in ISTANBUL, TURKEY – Online mode

- Dr Pala has delivered a keynote on “**An Introduction to Terramechanics – Traffic ability Studies**” during the conference on 24th June 2022. He discussed about concepts of Terramechanics and introduced about mobility performance parameters of a rover. Different rovers and simulators information were shared along with necessary examples. He also discussed results from the Traffic ability studies conducted on TRI-1 Lunar Simulator which was India’s first Lunar Simulator as part of Apollo 14 Mission and concluded with optimal design of a rover as solution for the same.



❑ Editorialship (Journals)

- Dr Pala Gireesh Kumar was invited and nominated as **Editorial Board Member** for the “**Journal of Building Material Science**” & “**Journal of Review in Science and Engineering**”.



Welcome to Bilingual Publishing Co.


Journal of Building Material Science

+65 65881289
contact@bipublishing.com









Home About Login Journals Current Archives Announcements Editorial Team Publisher

Home > About the Journal > Editorial Team


Editor-in-Chief

 **Dr. Ying Huang**
Department of Civil and Environmental Engineering, North Dakota State University, United States

Editorial Board

 Dr. Sudarshan Dattatraya Kore National Institute of Construction Management and Research (NICMAR) Pune, India	 Dr. Reddy Babu Gude Department of Civil Engineering, Seshadri Rao Gudlavalleu Engineering College, Andhra Pradesh, India
 Dr. Pala Gireesh Kumar Shri Vishnu Engineering College for Women, India	 Prof. Mohamd Najmi Masri University Malaysia Kelantan, Malaysia
 Dr. Mohammad Jamshidi Avanaki Civil Engineering, International University of Chababhar, Iran	 Dr. Mahmood Md Tahir Institute for Smart Infrastructure and Innovative Construction (ISIIC), Universiti Teknologi, Malaysia
 Dr. Kiran Devi Department of Civil Engineering, National Institute of Technology Warangal, India	 Dr. Mohammed Mukhlif Khalaf Dams and water resources engineering, University of Mosul, Iraq

Editor-in-Chief

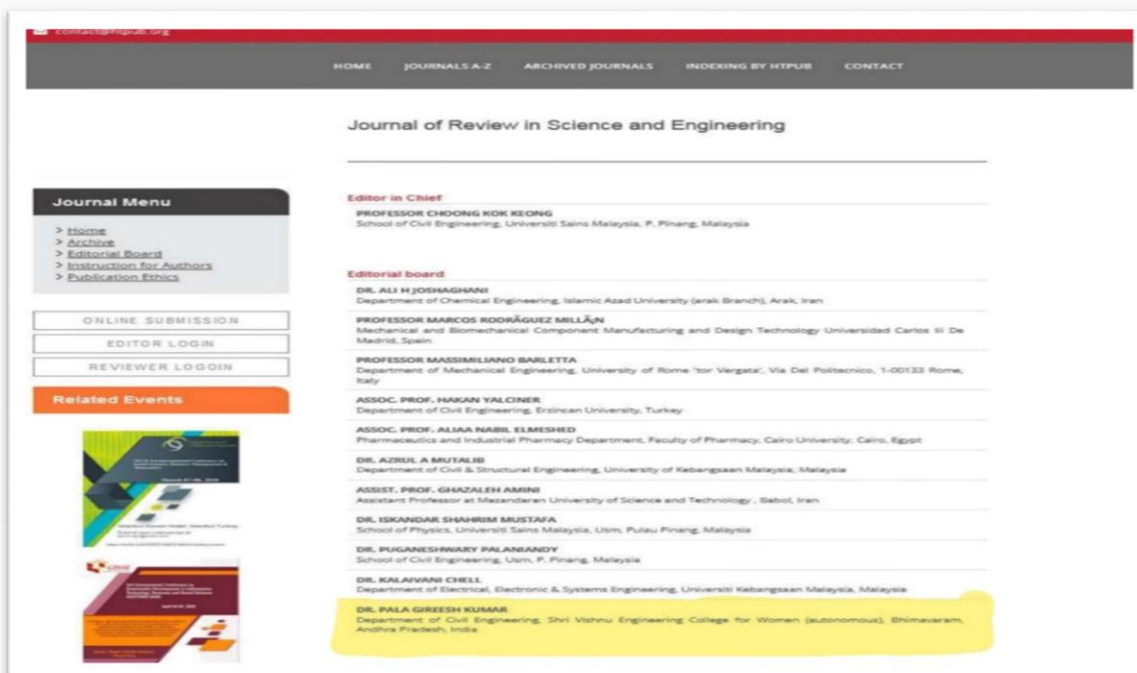
 **Dr. Ying Huang**
Department of Civil and Environmental Engineering, North Dakota State University, United States

User

SEARCHWORD
PASSWORD
 Remember me
LOGIN

Indexing

Google Scholar
Crossref



comanet@ipublishing.org

HOME JOURNALS A-Z ARCHIVED JOURNALS INDEXING BY HTPLIB CONTACT


Journal of Review in Science and Engineering

Journal Menu

- > Home
- > Archive
- > Editorial Board
- > Instruction for Authors
- > Publication Ethics

ONLINE SUBMISSION
EDITOR LOGIN
REVIEWER LOGIN

Related Events



Editor in Chief

PROFESSOR CHOONG KOK KEONG
School of Civil Engineering, Universiti Sains Malaysia, P. Pinang, Malaysia

Editorial board

DR. ALI HJOSHAGHANI
Department of Chemical Engineering, Islamic Azad University (Arak Branch), Arak, Iran

PROFESSOR MARCOS RODRIGUEZ MILLÁN
Mechanical and Biomechanical Component Manufacturing and Design Technology Universidad Carlos III de Madrid, Spain

PROFESSOR MASSIMILIANO BARLETTA
Department of Mechanical Engineering, University of Rome 'tor Vergata', Via Del Politecnico, 1-00133 Rome, Italy

ASSOC. PROF. HAKAN YALCINER
Department of Civil Engineering, Erzincan University, Turkey

ASSOC. PROF. ALJAA NABIL ELMESHEH
Pharmaceutics and Industrial Pharmacy Department, Faculty of Pharmacy, Cairo University, Cairo, Egypt

DR. AZRIL A MUTALIB
Department of Civil & Structural Engineering, University of Kebangsaan Malaysia, Malaysia

ASST. PROF. GHAZALEH AMINI
Assistant Professor at Mazandaran University of Science and Technology, Babol, Iran

DR. ISKANDAR SHAHRIM MUSTAFA
School of Physics, Universiti Sains Malaysia, Usm, Pulau Pinang, Malaysia

DR. PUGANESHWARY PALANANDY
School of Civil Engineering, Usm, P. Pinang, Malaysia

DR. KALAVANI CHELL
Department of Electrical, Electronic & Systems Engineering, Universiti Kebangsaan Malaysia, Malaysia

DR. PALA GIREESH KUMAR
Department of Civil Engineering, Shri Vishnu Engineering College for Women (autonomous), Bhimavaram, Andhra Pradesh, India

□ Recognized Reviewer Certificate

- **Mrs. Parvathidevi. A** - Assistant Professor

Email: aparvathidevice@svecw.edu.in

Research Interest: Lightweight Concretes, Energy Efficient Concretes, Construction and Building Materials, and Multi objective Optimization Methods.

Recognized Reviewer Certificate:

Received a recognized reviewer certificate for completing a review in the prestigious *Elsevier* journal **Construction and Building Materials** and a 30 days complimentary access to Science Direct and Scopus.



□ Chief Guest

Dr Pala Gireesh Kumar was invited as Chief Guest by Sir C R Reddy Engineering College, Eluru on 15th July 2022 for K L Roa's 125th Birth Anniversary Celebrations. He has interacted with students and addressed on the **Role of Civil Engineers towards building better Nation**. He emphasizes on sustainability and cost effective solutions for real time societal issues with few case studies. Dr Pala was appreciated by the Management and Principle with Felicitation during the celebrations after the speech



❑ Workshop Conducted

- Department of Civil Engineering has organized a five days training program on Total Station for Faculty and Students (19-07-2022 to 23-07-2022).
- The training started from setting up the total station, establish jobs, take points, calculate areas, determine the height of a building or pole, and set through resection during the training time. Finally winded up explaining how to export the points in Auto CAD.



❑ Celebrated K.L.Rao's 125th Birth Anniversary

- The programme began with a biography of K L RAO by Mrs. M Surya Kumari, an Assistant Professor, who also stressed the value of education, honour, and independence for women engineers. Civil engineers and students passionately engaged in the workshop, which sparked ambition to progress.
- Mr. B. Venkatesh (Assistant Professor) carried on the activity by organising a brief competition in which participants had to build a bridge out of wooden sticks using the materials provided. The ready prototypes are moved for the load testing, and the batch holding the prototype with the heavy load is proclaimed the winner.



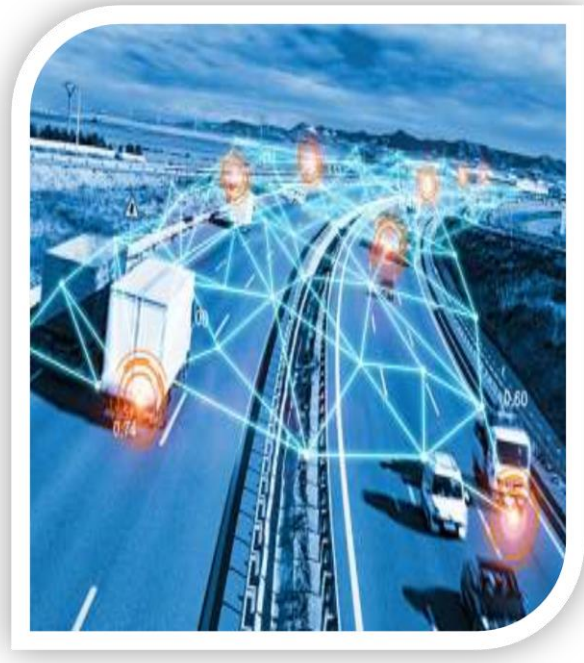
❑ Workshop attended by the student

- IV year students of CE (14 members) along with faculty members Dr.P.Sridhar and Ms.V.Manasa attended VEDIC program at Hyderabad on 24th June 2022. The motive of the program was to learn about “SUMO software” (Simulation of Urban Mobility) is a transportation related software where the continuous traffic simulation package designed to handle large networks. It allows for intermodal simulation including pedestrians and comes with a large set of tools for scenario creation.



❑ **Advanced traffic management system:**

- The **advanced traffic management system** (ATMS) field is a primary subfield within the intelligent transportation system (ITS) domain, and is used in the United States. The ATMS view is a top-down management perspective that integrates technology primarily to improve the flow of vehicle traffic and improve safety. Real-time traffic data from cameras, speed sensors, etc. flows into a transportation management centre (TMC) where it is integrated and processed (e.g. for incident detection), and may result in actions taken (e.g. traffic routing, DMS messages) with the goal of improving traffic flow.
- The following primary goals and metrics for ITS:
 - ✓ Increase transportation system efficiency
 - ✓ Enhance mobility
 - ✓ Improve safety
 - ✓ Reduce fuel consumption and environmental cost
 - ✓ Increase economic productivity
 - ✓ Create an environment for an ITS market



□ **Functional areas of Advanced traffic management systems**

- Real-time traffic monitoring
- Dynamic message sign monitoring and control
- Incident monitoring
- Traffic camera monitoring and control
- Active traffic management (ATM)
- Chain control
- Ramp meter monitoring and control
- Arterial management
- Traffic signal monitoring and control
- Automated warning systems
- Road Weather Information System (RWIS) monitoring
- Highway advisory radio
- Urban traffic management and control



❑ New hands in the Department

Ch.Harika – Assistant professor

Completed her Masters in Environmental Engineering at JNTUK and started her teaching career at SVECW. D.O.J: 21.07.22

E-mail – chharikace@svecw.edu.in

Research Interests – Waste water treatment and solid waste management



❑ New hands in the Department

L Ram Gopal – Assistant professor

Completed his Masters in Structural Engineering from Hindustan University, Chennai and he is having a research experience of 2 years and 6 years of teaching experience.

D.O.J: 01.08.22

E-mail – ramgopalce@svecw.edu.in

Research Interests – Repair and rehabilitation of structures, Building technology, Sustainable concrete, computer simulations using FEM software's



❑ Technical Fest Attended by students

Eight students (2nd, 3rd and 4th year) along with a faculty coordination P. Lavanya (Assistant Professor) attended a **National level technical project exhibition SRISHTI-2022** conducted by Saintgits College of Engineering, Kottayam, Kerala. Being civil engineers, students developed a novel concept known as the "concrete canoe." As the name suggests, the canoe is built of concrete, or cement and sand. Few admixtures are used to make the concrete boat float in the water. The canoe's design was created in AUTOCAD using the Archimedes principle, which makes it float, and after thorough research, STAAD Pro was used to analyse the canoe's structural stability



❑ **Technical Fest Attended by students**

- Four of III year students attended **National level Technical CONFEST 2022** organized by Bapatla Engineering College (BEC) on 10th Sep 2022 in which they stood 1st in contemplates competition with a cash prize and certificate.

Topic: Concrete Canoe (Poster Presentation)



❖ **Placement Details**

Name : Likhitha Gudimetla
Reg. No : 19B01A0115
Company placed: Infosys
Package : 3.25 Lakhs per annum



Placement Details



Name : Chalamalasetti Poojitha Lakshmi
Reg. No : 19B01A0118
Company placed : Cognizant
Package : 4 Lakhs per annum



❖ **Placement Details**

Name : Katika Sony Sravanthi
Reg. No : 19B01A0124
Company placed : Cognizant
Package : 4 Lakhs per annum



❖ **Placement Details**

Name : Srikantham Prasanna Sowmya
Reg. No : 19B01A0148
Company placed : Cognizant
Package : 4 Lakhs per annum



❖ **Placement Details**



Name : Srikantham Prasanna Sowmya
Reg. No : 19B01A0148
Company placed : Cognizant
Package : 4 Lakhs per annum



❖ Higher Education



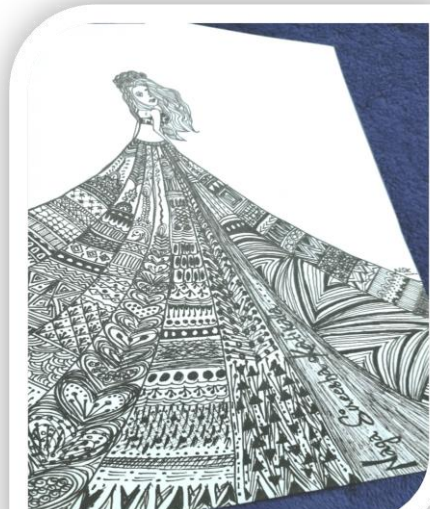
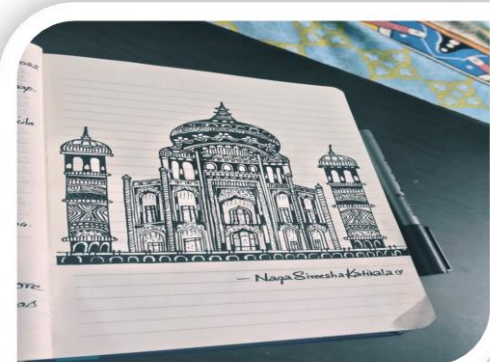
Name : Y.SAHITYA (Alumni 17th Batch)

**Got MS admission at
Central Michigan University in Management
Information Systems**

Extra-Curricular Activates

Name : K Naga Sireesha (3rd Year)

Art: Mandala art



Extra-Curricular Activates

Name : P.Divya (3rd Year)

Art: Mandala art



Editorial Team



Dr.Pala Gireesh Kumar
Professor & HOD

Chief Editor



Mr. Butti Venkatesh
Assistant Professor

Editor

