

Departmental Newsletter July-December, 2022

Department of CE, PVPSIT

1. Workshops/Seminars/Guest Lectures/Training Programs/Symposiums organized:

The department of Civil Engineering organized ---

- i. A guest lecture on “Application of civil engineering softwares” for faculty and students of CE on 19th November 2022. Resource person: Mr.V.Murali Krishna Trainer & Business Development, Learnet Skills Limited, Penamaluru. Coordinators: Ms.G.V.R.Kumari and K.V.Subash
- i. A guest lecture on “Demonstration of rapid chloride penetration test on concrete” for faculty and students of CE on 21st October 2022. Resource person: Mr.K.Sai Nitin Chowdary, Alumni Member, PVPSIT, Vijayawada. Coordinators: K.V.Subash and Ms.K.Divya
- ii. A Engineers day events on “Paper presentation competition (PPT) and Auto CAD” for students of CE during 15th September 2022. Coordinator: Dr.A.Adilakshmi
- iii. A guest lecture on “Concrete Construction Practices” for faculty and students of CE on 07th September 2022. Resource person: Er.K.Venkatraman, Regional Head, Technical Services-Ultratech Cement Ltd, AP. Coordinators: Mrs.K.Prasanthi and Mrs.M.Durga Prasanna
- iv. A guest lecture on “Importance of Civil Engineering” for faculty and students of CE on 15th September 2022. Resource person: Mr.K.Satish, Quality and Business Development Executive, LCC Ready Mix Concrete Pvt. Ltd. AP. Coordinator: Dr.K.Shyam Prakash
- v. A guest lecture on “Basic site execution” for faculty and students of CE on 29th September 2022. Resource person: Mr.A.Hema Sai, Assistant Project Manager, Avenue Supermarts Ltd, Kakinada. Coordinator: Dr.K.Shyam Prakash
- vi. A workshop on “BIM using Revit Architecture” for faculty and students of CE during 14th to 16th November 2022. Resource person: Canter Technologies Pvt Ltd, Vijayawada. Coordinators: Dr.K.Shyam Prakash

2. Papers presented in Seminars/Conferences/Symposiums by the faculty:

- i. K.V.Subash, presented a paper titled "Development of optimum sustainable metakaolin replaced cement concrete based on homogeneity, compressive strength and rapid chloride ion penetration" in *Second global conference on Recent advances in sustainable materials – 2022* organized by AJIET, Karnataka during 28th to 29th July, 2022
- ii. Mrs.K.Prasanthi, presented a paper titled "Partial replacement of cement with palm oil fuel ash (Pofa) in self compacting concrete" in *Innovative, sustainable materials and technologies – 2022* organized by AEC, Kakinada during 14th to 15th October, 2022

3. Workshops/Seminars/Faculty Development Programmes attended by the faculty:

a) Seminars/Webinars:

- i. Ms.G.V.R.Kumari participated in 19 webinars on "Concrete and structures related topics” organized by Ultra Tech Ltd during July to December 2022
- ii. Ms.G.V.R.Kumari participated in webinar on "The engineer of the future – CIVIL VISION 2030” organized by Presidency University, Bangalore on 2nd July 2022

b) Workshops:

- i. Ms.G.V.R.Kumari participated in workshop on "Research methodology & Manuscript writing" organized by Lavender Literary club, India during 9th to 11th September 2022.
- ii. Ms.G.V.R.Kumari participated in workshop on "Research article writing and publications in high impact journals" organized by Lavender Literary club, India during 5th to 7th August 2022.
- iii. Mrs.M.D.Prasanna participated in workshop on "BIM using Revit Architecture" organized by PVPSIT, Kanuru during 14th to 16th November 2022.

c) STTP/STCs:

- i. Ms.G.V.R.Kumari participated in DST sponsored National level Hands-on training program on "Integrative research in various fields of engineering" organized by SRKREC, Bhimavaram & GITAM, Visakhapatnam during 21st to 27th September 2022
- ii. Mr.P.S.V.Bharath participated in Innovation Ambassador online training "Foundation Level" organized by MoE's innovation Cell & AICTE on 30th September 2022
- iii. Mr.P.S.V.Bharath participated in training program on "Application of machine learning in civil engineering" organized by VVIT, Guntur during 25th to 27th August 2022
- iv. Ms.G.V.R.Kumari participated in One week seasonal school on "Artificial intelligence in remote sensed image analysis: A review of applications & current research" organized by VRSEC, Vijayawada during 31st October to 05th November 2022
- v. Ms.G.V.R.Kumari participated in STTP on "GIS for smart city" organized by Presidency University, Bangalore during 12th to 16th December 2022

d) Faculty Development Programmes:

- i. Dr.M.Anupama Ammulu participated in Online Faculty Development Program on "Emerging research trends in blockchain, cyber security and digital forensics" organized by NIT Warangal during 25th July to 4th August, 2022
- ii. Ms.G.V.R.Kumari participated in Online Faculty Development Program on "Modern techniques and tools in water resource management" organized by NIT Warangal during 1st to 12th August, 2022
- iii. Dr.K.Shyam Prakash participated in Faculty Development Program on "Testing of latest civil engineering materials" organized by NITTTR, Chandigarh during 01st August to 05th August, 2022
- iv. Dr.K.Shyam Prakash participated in Faculty Development Program on "Quality control of concrete" organized by NITTTR, Chandigarh during 11th July to 15th July, 2022
- v. Dr.V.Jagadish and Ms.M.Durga Prasanna participated in Faculty Development Program on "Enhancing research capabilities for academic career progression" organized by NITTTR, Chandigarh during 05th to 09th September, 2022

e) Guest Lectures: -

f) Awareness programmes/Interaction meet/Quizzes, etc:

- i. K.V.Subash, Dr.K.Shyam Prakash, Ms.K.Divya, Mr.P.S.V.Bharath and Dr.V.Jagadish participated in IP awareness program organized by Intellectual Property Office, India on 12th October 2022.
- ii. Dr.V.Jagadish participated in the regional meet organised by Ministry of Education's Innovation Cell at Sreenidhi Institute of Science and Technology, Telangana on 12th August 2022

g) Conferences:

- i. Dr.V.Jagadish attended 20th edition of Green Building Congress at Hyderabad on 20th to 21st October 2022

4. Publications by the faculty (National/International Journals/ Conferences):

a) Scopus indexed journals:

- i. Dr.M.Anupama Ammulu published a paper on "COVID-19: A new insight into organ failure and complications caused by novel SARS-CoV-2 virus and discussion on the role of nanotechnology in detection, treatment and prevention of the disease" in Current trends in biotechnology and pharmacy, ISSN 0973-8916, Pg.577-602, Vol. 16 (4), 2022.
- ii. Dr.K.Shyam Prakash published a paper on "A case study on public transport service in urban areas" in ARPJ Journal of engineering and applied sciences, ISSN 1819-6608, Pg.1458-1466, Vol. 17 (14), 2022.
- iii. Dr.V.Jagadish, Ms.K.Divya and Ms.V.Hema Varshini (18501A0156) published a paper on "Analysis of bamboo integrity structures" in Materials today proceedings, ISSN: 2214-7853, Pg.2060-2065, Vol. 65 (2), 2022.

b) SCI/SCIE indexed journals:

- i. Dr.K.Mukherjee published a paper on "An assessment of the mechanical performance of a novel sand bentonite-glass fiber composite for the avoidance of catastrophic landfill failure" in *Construction and Building Materials*, ISSN 0950-0618, vol-348, August 2022
- ii. Dr.M.Anupama Ammulu published a paper on "Evaluation of mechanical and tribological properties of nano clay reinforced Kevlar/Sisal polyester composites" in *Polymer Composites*, ISSN 1548-0569, August 2022, <https://doi.org/10.1002/pc.27067>

c) IEEE/Springer journals: -

d) UGC/other journals:

- i. Dr.K.Shyam Prakash published a paper on "Performance and characteristics of cost effective natural adsorbents for the removal of fluoride" in *Oxidation Communications*, ISSN 0209-4541, Pg.570-581, Vol. 45 (3), 2022.
- ii. Ms.G.V.R.Kumari published a paper on "Surface water assessment by using remote sensing technology and GIS- A model study" in *YMER*, ISSN 0044-0477, Pg.1406-1415, Vol. 21 (10), 2022.
- iii. Dr.M.Anupama Ammulu published a paper on "Improving Physiological Factors and Plasmid Stability of DE3 Host System" in *Asian journal of pharmaceuticals*, ISSN: 1998-409X, Pg.429-433, Vol. 16 (4), 2022.

e) Conference Proceedings:

f) Book chapters: -

g) Books: -

5. Faculty Achievements (Patents, Higher Qualification awarded, guest lectures given, awards and rewards, acted as a Resource person etc.):

a. Patents:

- i. Ms.G.V.R.Kumari, Dept of CE, published patent on work “Construction roofs with aid of sheet and control theory” by ‘The Patent Office Journal’ on 30/12/2022 with application No: 202241071800A
- ii. Ms.G.V.R.Kumari, Dept of CE, published patent on work “Automated construction of building controlled by oral instruction” by ‘The Patent Office Journal’ on 30/12/2022 with application No: 202241071793A

b. Ph.Ds awarded: -

c. Guest lectures delivered:

- i. Dr.K.Shyam Prakash delivered guest lecture on “Recent advances in transportation engineering” at NRIIT, Pothavarappadu on 18th November 2022
- ii. Dr.V.Jagadish delivered talk on “Bamboo as a sustainable building material” at Reva University, Bangalore on 13th September 2022
- iii. Dr.V.Jagadish delivered speech on “Concrete: theory to practice” at Sir C R Reddy College of Engineering, Eluru on 15th September 2022
- iv. Dr.V.Jagadish delivered talk on “Bamboo as building material” at Association of Consulting Civil Engineers(India) Coimbatore Centre on 30th September 2022
- v. Dr.V.Jagadish delivered online talk on “Prototype design and development” at Kongu Arts and Science College, Erode, Tamil Nadu on 14th July 2022
- vi. Dr.V.Jagadish delivered talk on “Innovation for sustainability in engineering” at AMC Engineering College, Bangalore on 3rd August 2022
- vii. Dr.V.Jagadish delivered talk on “Bamboo and its structural aspects” at Marathwada Institute of Technology, Aurangabad, Maharashtra on 27th August 2022
- viii. Dr.V.Jagadish delivered talk on “Bamboo as a sustainable Building Material” at Hindustan College of Engineering and Technology, Coimbatore on 1st October 2022
- ix. Dr.V.Jagadish delivered talk on “SAR preparation for NBA Tier I Accreditation" at Hindustan College of Engineering and Technology, Coimbatore on 1st October 2022
- x. Dr.V.Jagadish contributes as resource person on “Research Methodologies" at ATAL FDP organised by Department of Mechanical Engineering, PVPSIT, Vijayawada on 21st November 2022.
- xi. Dr.V.Jagadish delivered talk on “The potential of bamboo as building material" at Builders Association of India, Mysore Centre on 1st October 2022
- xii. Dr.V.Jagadish delivered talk on “Concrete Technology- Theory to practice” at SVEC, Bhmiavaram on 30th December 2022

d. Reviewers of journals:

- i. Dr.K.Mukherjee reviewed 2 papers in ‘Journal of cleaner production’ -SCIE Indexed
- ii. Dr.K.Mukherjee reviewed a paper in ‘European Journal of Environmental and Civil Engineering’ -SCIE Indexed submitted on 09th December 2022.
- iii. Dr.K.Mukherjee reviewed a paper in ‘Cleaner environmental systems
- iv. K.V.Subash reviewed a paper in ‘Materials today proceedings’ -Scopus Indexed submitted on 05th December 2022.
- v. K.V.Subash reviewed a paper in ‘Journal of the Institution of Engineers: Series A’ - Scopus Indexed submitted on 02nd August 2022.

- vi. Dr.K.Shyam Prakash reviewed a paper in Journal of materials science research and reviews-Google scholar Indexed
- vii. Dr.K.Shyam Prakash reviewed a paper in Journal of engineering research and reports-Google scholar Indexed
- viii. Dr.V.Jagadish reviewed 2 papers in ‘Environmental progress & sustainable energy’-SCIE Indexed

6. Faculty Participation (as a Judge, Guest, or BOS member, & Chairing a session, etc.):

- i. Dr.K.Mukherjee appreciated to undertook invited survey on THE’s Global academic reputation survey based on his research publications conducted by Times Higher education, London for year 2023.
- ii. Dr.K.Mukherjee awarded for hard work as a peer reviewer for European Journal of Environmental and Civil Engineering, Taylor & Francis group.
- iii. Dr.K.Ramesh awarded for contribution as editor for the book titled “Futuristic trends in construction materials & civil engineering” published by IIP proceedings , volume 2, book 11, part 1, ISBN: 978-9395632-98-0 in November 2022.
- iv. Dr.K.Mukherjee appreciated to undertook invited survey designed to understand and measure university reputation conducted by The World 100 Reputation Network, Times Higher education (THE), London for year 2022.
- v. K.V.Subash acknowledged with thanks to the valuable services for reviewing paper in Journal of The Institution of Engineers (India): Series A by The Institution of Engineers (India), Kolkata.
- vi. Dr.V.Jagadish appointed as BOS member for Chalapathi Institute of Technology, Mothadaka on 03.09.2022
- vii. Dr.V.Jagadish attended as reviewer for book launch on “Lets Build with Bamboo” organised by CGBMT, Bangalore on 23rd July 2022
- viii. Dr.V.Jagadish acted as a scientific committee member for ICRTEM-22 Organized By R R Institute of Technology, Bangalore on 25th to 26th August 2022
- ix. Dr.V.Jagadish elected as Chairman, Indian Concrete Institute Vijayawada –AP Chapter for the year 2022-2024.
- x. Dr.V.Jagadish awarded as a mentor for Smart India Hackathon 2022.
- xi. Dr.V.Jagadish acted as a keynote speaker and chairing session for International conference ScTACE-2022 organized by SVEC, Bhmiavaram during 15th to 17th December 2022

7. MOOCs courses completed by the faculty: -

8. Industrial Visits:

- The 4th B Tech Civil engineering students along with staff member Dr.K.ShyamPrakash, visited Vijayawada Railway Station on 12th August 2022



9. APSSDC: -

10. Students' achievements:

a) Co-curricular Activities:

- i. K.K.Varma, Ch.V.V.Kumar, G.O.N.Kumar, M.Sandeep participated in training program on “Application of machine learning in civil engineering” organized by VVIT, Guntur during 25th to 27th August 2022
- ii. M.Priyanka, Y.Nagalakshmi, P.Ganesh, G.Vyshnavi and P.Sowmya participated in paper presentation contest (Neonite–2k22) organized by VRSEC, Vijayawada during 28th to 29th September 2022
- iii. The third year department of Civil Engineering students undergone internship at
 - 1) PIU, NHAI, Mangalagiri
 - 2) Varaha Infra Limited, Eluru
 - 3) Navayuga Engineering Ltd, Thulluru
 - 4) Muncipal Commissioner, Tadigadapa Municipality
 - 5) Er. V.Rajabapaih, Chartered Engineer and Valuer, Vijayawada
 - 6) AGM Vijay Nirman Company Pvt. Ltd, Vijayawada
 - 7) LCC Pvt. Ltd, Namburu
 - 8) EE, Panchayatraj Engineering Division, Vijayawada
 - 9) Megha Engineering & Infrastructures Limited, Hyderabad
 - 10) APSHCL, Etcherla Sub Division
 - 11) SVK Constructions, Vijayawada
- iv. The fourth year department of Civil Engineering students undergone internship at
 - 1) MBMR Infra, Poranki
 - 2) SVK Constructions, Vijayawada
 - 3) Avantika Pridewalls, Hyderabad
 - 4) EE, Panchayatraj Engineering Division, Vijayawada
 - 5) KNR Constructions Limited, Hyderabad
 - 6) Creative Koven Developers LLP, Hyderabad
 - 7) South Central Railway, Engineering department, Vijayawada
 - 8) South Central Railway, Office of Deputy Chief Engineer Construction, Vijayawada
 - 9) Pooja Crafted Homes Pvt. Ltd., Hyderabad
 - 10) Lalitha PVS Institute of Medical Sciences, Guntur

b) Extra-curricular Activities: -

c) Coursera/NPTEL details of the students: -

10. Higher Education:

- i. C.S.N.V.Harika (18501A0110) and J.Apoorva (18501A0118) of 2018-2022 Batch joined MS in Construction Engineering, Texas Tech University, USA
- ii. S.J.Naveen (18501A0133) of 2018-2022 Batch joined M.Tech in Structural Engineering, VIT, Chennai

- iii. P.Anudeep (18501A0145) of 2018-2022 Batch joined M.Tech in Structural Engineering, KLU, Guntur

11. Other Information:

- i. Mrs.M.D.Prasanna granted as Life Member of Indian Concrete Institute with membership number LM-13603.
- ii. Department of Civil Engineering had MOU with CII-IGBC on 1st September 2022.
