

CIVIL CHRONICLES

NEWS LETTER 2021-22

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DEPARTMENT OF CIVIL ENGINEERING

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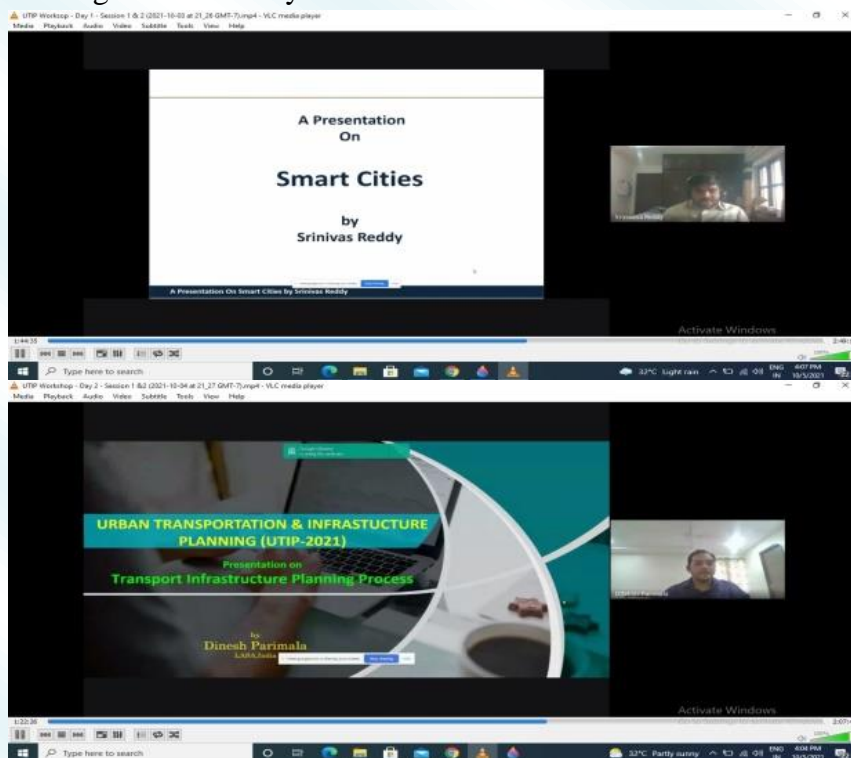
S. Spandana (19501A0140) & V sem

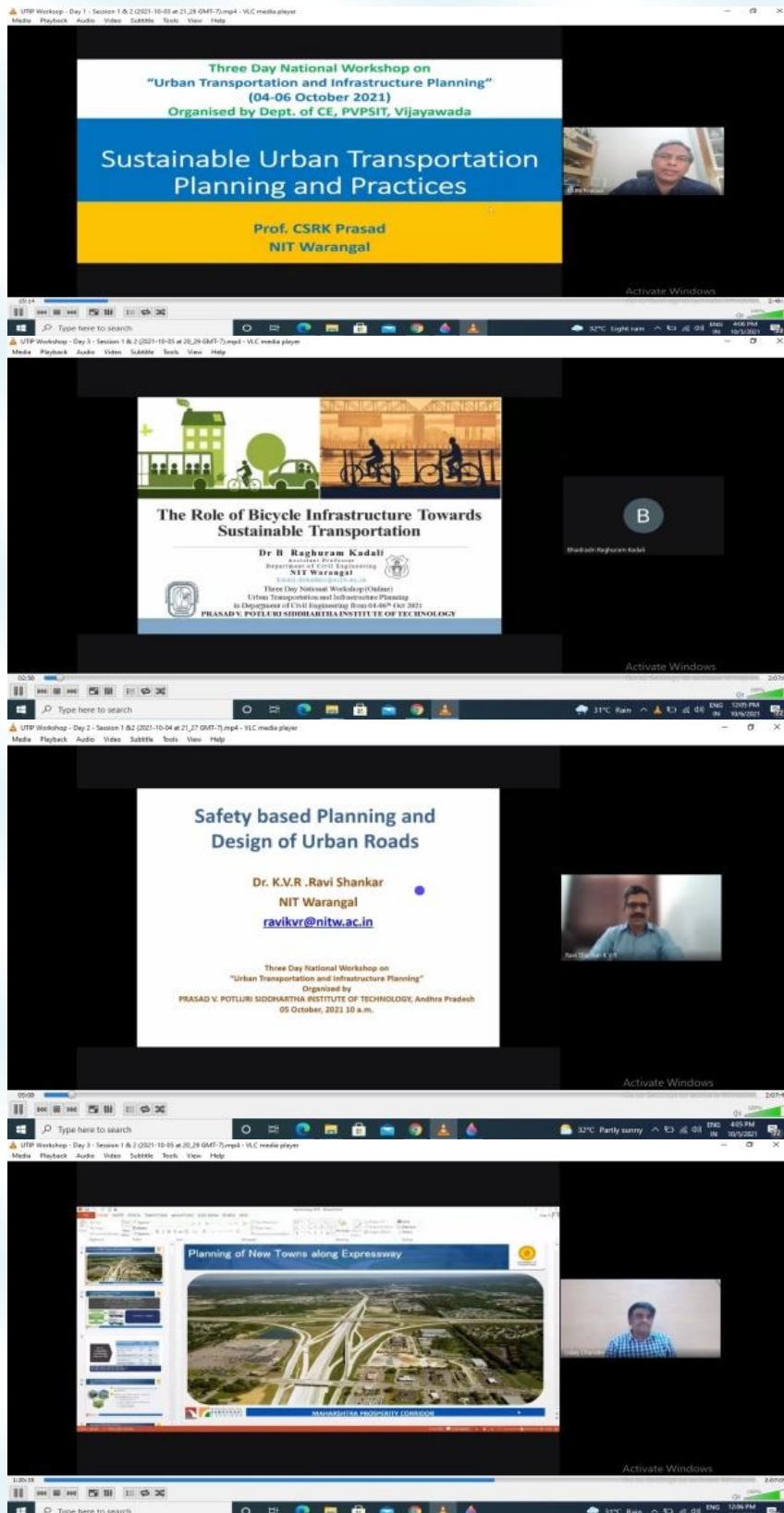
Publications:

- S.Ganeshwar Reddy and M.Mohammad published a paper on “The effect of roof overlay on thermal comfort behaviour of reduced scaled building models in tropical climate: an Indian case study” in *Journal of Building Pathology and Rehabilitation*, ISSN: 2365-3167, vol-7 November 2021

Workshops:

- A 2-day National online workshop on “Advances in Concrete Technology” during 11th to 12th November, 2021.
- A workshop on "Urban transportation and infrastructure planning” for students and faculty of CE during 04th to 06th October 2021. Resource persons: Faculty of NIT Warangal and Industry Personnel.





Webinars:

- An online webinar on “Opportunities in Civil Engineering” Resource person: R.Dileep Shankar, Alumni member-PVPSIT & Design Engineer, SEGH Associates, Vijayawada on 25.11.2021
- A webinar on “Construction opportunities in construction real estate infrastructure and engineering project management to civil engineering students to fill the manpower shortage in CRIP sector” on 26th November, 2021.
- A webinar on “Changing Face of Transportation and Contemporary Technologies in Underground Metro” on the eve of Sir Mokshagundam Visweswarayya Birthday for students of CE on 15th September 2021. Resource person: Er.G.M.V.S.Sai Kumar, Assistant General Manager, MMRCL, Mumbai.
- A webinar on “How to make a building green & opportunities in Green buildings” in association with IGBC Student Chapter for students and faculty of CE on 15th September 2021. Resource person: Er.Ashok Kumar, Founder and CEO, CMTI.
- A product demo on “Bureau of Indian Standards” for faculty and students of CE on 24th July 2021. Resource person: Mr.Akbar Shaik, BSB Edge Pvt Ltd, New Delhi.

Training Programs:

- 59 members of II Year Civil Engineering students completed Online training program on “Building drafting using AutoCAD” during 06.12.2021 to 22.12.2021
- P.Chandu (18501A0140) and P.Manikanta (19501A0136) completed Online training program on “Innovative on concrete products for the need of structural requirements to build durable & sustainable buildings” during 12.07.2021 to 24.07.2021
- B.M.Naik (19501A0108) participated in webinar on “Game design using Build box online 2021-22” on 28.07.2021

Certification Courses:

- G.Dhruvateja (18501A0114) and P.Nethaji Ram (18501A0143) completed certification courses on 1) “Renewable energy and green building entrepreneurship” and 2) “Construction project management” through Coursera in 2021
- C.Divyasri (19501A0113) completed certification course on “Build your portfolio website with HTML and CSS” through Coursera in 2021
- K.Sai anand vardhan (18501A0125) completed certification course on “Integrated Waste Management for a smart city” through NPTEL during July to October 2021

Co-curricular Activities:

- G.Bhavya Sri and D.V.Pravallika completed Internship on “Flyover Construction” constructed by M/s Lakshmi Infrastructure & Developers India Pvt Ltd, Vijayawada during 01st September 2021 to 31st October 2021
- K.S.Nitin Chowdary completed Internship on “Flyover Construction” constructed by M/s Lakshmi Infrastructure & Developers India Pvt Ltd, Vijayawada during 01st to 30th September 2021
- S.Sivakumar and S.Ramyasri completed Internship on “4 Laning of Vijayawada-Machilipatnam Project on NH-65” constructed by M/s Dilip Buildcon Limited, Bhopal during 01st September to 31st October 2021
- C.Ashok Manikanta completed Internship on “Kindness challenge” conducted by Team Everest, Chennai during 14th to 28th October 2021
- B.M.Naik and C.Ashok Manikanta certified as an organizer of Azadi ka Amrit Mahotsav 2021 conducted by Govt of AP during 26th to 27th November 2021

Student Spotlight: Voices from the Campus

Failure and Size Effect of Notched and Un-notched Concrete Beams and Partial Replacement of Cement with Pumice

By S. Spandana (19505A0140), III Sem, Civil

Participating in the study of failure behavior and size effect of notched and un-notched concrete beams with partial replacement of cement by pumice was a valuable learning experience. The project focused on designing concrete beams with different sizes and notch conditions to observe crack initiation and failure patterns. Cement was replaced by pumice at varying percentages to evaluate its impact on strength and workability while promoting sustainable construction practices. The beams were tested under three-point bending, and results showed that notched beams cracked earlier and size effect influenced the strength significantly. Although the strength slightly decreased with pumice replacement, the mix showed improved workability and reduced weight. This project helped me better understand fracture mechanics and the benefits of using alternative materials in concrete, thanks to the guidance from our faculty and support from the lab team.

