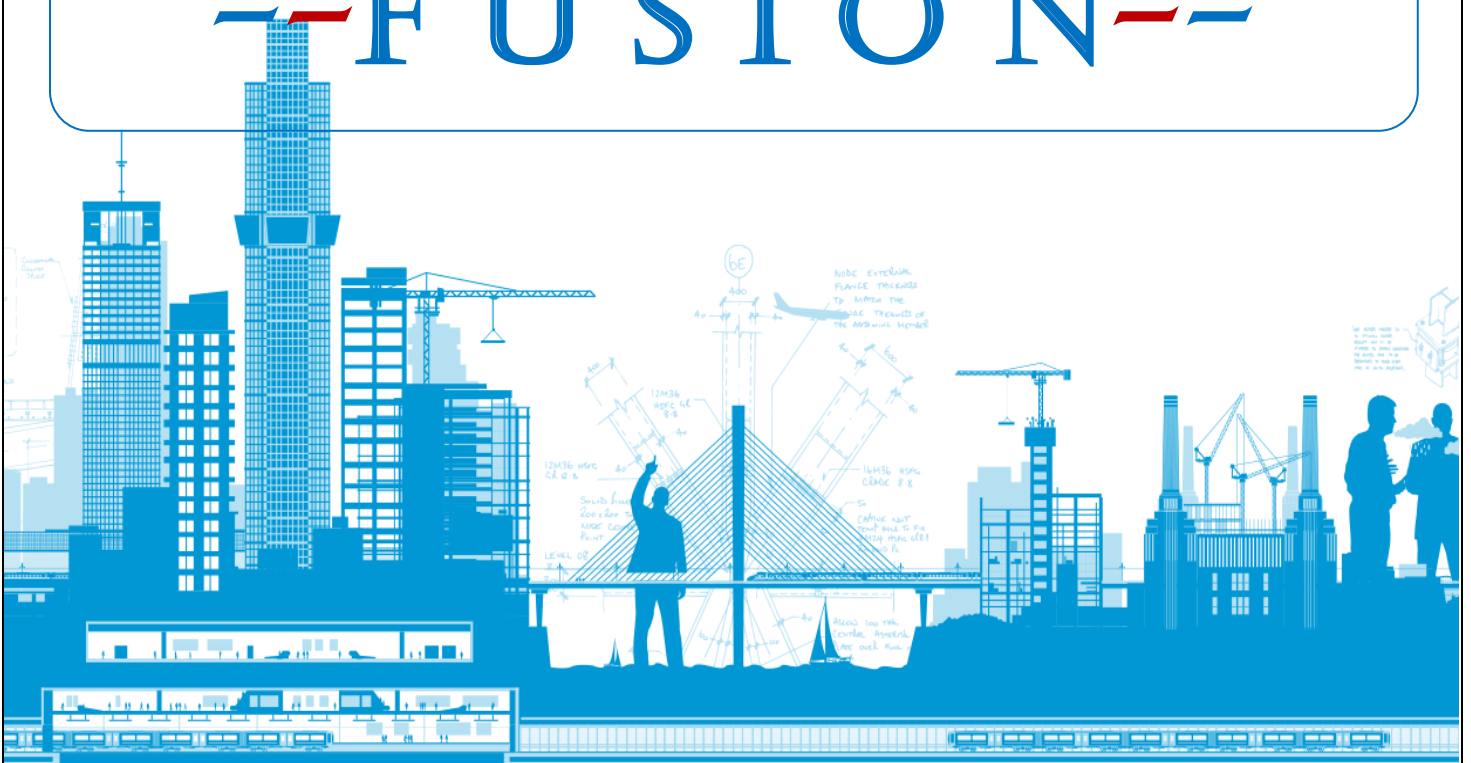




DEPARTMENT OF CIVIL ENGINEERING NEWSLETTER

Volume 10; Issue 2 | June to September 2021

FUSION





Vel Tech
Rangarajan Dr. Sagunthala
R&D Institute of Science and Technology
(Deemed to be University Estd. u/s.3 of UGC Act, 1956)

**DEPARTMENT OF CIVIL ENGINEERING
NEWSLETTER
June to September 2021**

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Guest Lectures/Webinars/ Competitions

A Webinar on “Concrete 3D Printing - Is it a revolution or just a trend” was organized by Department of Civil Engineering through Google Meet on June, 09, 2021.

School of Mechanical and Construction
Department of Civil Engineering
cordially invites you for the Webinar on



Vel Tech
Rangarajan Dr. Sagunthala
R&D Institute of Science and Technology
(Deemed to be University Estd. u/s 3 of UGC Act, 1956)

Concrete 3D Printing – Is it a revolution or just a trend ?!

📅 9th June 2021, Wednesday
🕒 10.30 a.m. - 12.30 p.m.

Platform
Google Meet





IN THE PRESENCE OF

Col. Prof. Vel. Dr. R. Rangarajan
Chancellor & Founder President

Dr. Sagunthala Rangarajan
Foundress President

Dr. S. Salivahanan
Vice Chancellor

Dr. A.T. Ravichandran
Dean Academics



RESOURCE PERSON

Dr. C. Jayaguru
Professor - Civil Engineering,
PSNA College of Engineering
and Technology, Dindigul,
Tamil Nadu

EVENT CO-ORDINATORS

Dr. M. Vinod Kumar
Associate Professor

Mr. M. Sridhar
Assistant Professor

CONVENOR

Dr. A. Geetha Selvarani
Prof. & HoD - Civil

E-Certificate will be provided to all Participants

Registration Link: <https://forms.gle/LRhyTyy3pUJmEIPG7>

Contact: 9994927675, 8508442352
E-mail ID: drmvinodkumar@veltech.edu.in, msridhar@veltech.edu.in

Faculty wise Academic Contributions

Participations

Dr. M.Vinod Kumar

Participated in Webinar on” Intellectual Property Rights” from 05/08/21 at P.S.R Engineering College, Sivakasi, Tamil Nadu.

Participated in four days Workshop on “Structural Analysis and Design using E-TABS” at CARE College of Engineering, Tiruchirappalli during 29/09/21 – 02/10/2021.

Participated in One Week Short Term Training Programme (STTP) on “Behaviour of Structures subjected to Extreme Events (Fire/Blast/Earthquake/Wind)” at Vellore Institute of Technology, Chennai, Tamil Nadu, 20/09/21-24/09/21.

Mr. T.UdayaKumar

Participated in ATAL One Week FDP on "Emerging Technologies in Civil Engineering" from 27/07/2021 to 31/07/2021 at Institute of Engineering & Technology.

Mrs. S.Sivaranjani

Participated in four days Workshop on “Structural Analysis and Design using E-TABS” at CARE College of Engineering, Tiruchirappalli during 29/09/21 – 02/10/2021.

Mr.M.Sridhar

Participated in four days Workshop on “Structural Analysis and Design using E-TABS” at CARE College of Engineering, Tiruchirappalli during 29/09/21 – 02/10/2021.

Paper Publications

M. Vinod Kumar, Razan Alzein, A. Chithambar Ganesh, K. Rajesh Kumar, N.Gurumoorthy, Adeyemi Adesina , published “Analytical Investigation of the Influence of Various Void Shape and Spacing on the Load-Bearing Behavior of Concrete Hollow Core Slabs”, Springer: Journal of Building Pathology and Rehabilitation, 2021.

Selvakumar, S., Kulanthaivel, P. & Soundara, B. (Dec. 2021) "Influence of nano-silica and sodium silicate on the strength characteristics of clay soil". Nanotechnology for Environmental Engineering, Volume 6, Issue Number 3, PP. 1-10.

Technical Note by Student

World's First Floating City

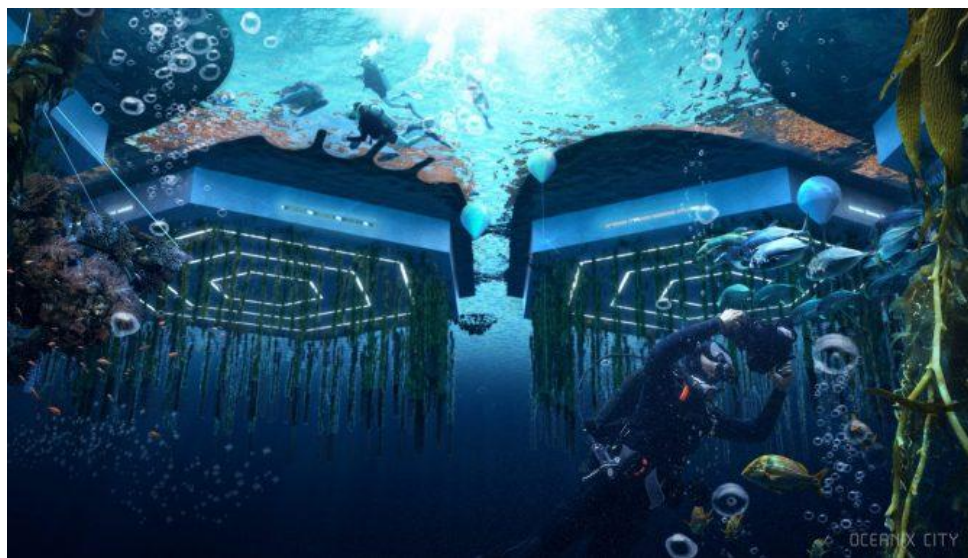
Jambey Tashi – VTU 13810 – IV Year

Floating cities are going to be a reality soon. With the joint efforts of UN-habitat and blue tech company, Oceanix, the city of Busan in South Korea is going to get the world's first floating city.

Busan is one of the busiest ports in the world, and due to its proximity to the sea, the city has always been vulnerable to natural disasters like typhoons.

Global warming has led to rising seawater levels, and natural disasters have become a common phenomenon. A floating city can be a perfect nature-based solution to protect cities from natural disasters like floods, tsunamis, category 5 hurricanes, and typhoons.

The Oceanix project unveiled plans for a flood-proof city in 2019. This floating city will be a 'flood proof' framework that rises with the sea and produces its own food, energy, and freshwater with fully integrated zero waste closed-loop systems. The project is likely to be completed by 2025.



Editorial Board

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Professor & Head

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Mr. J. Saravanan, AP/Civil.

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III Year: Vtu13810 - Jambey Tashi

