



HINDUSTAN
INSTITUTE OF TECHNOLOGY & SCIENCE
(DEEMED TO BE UNIVERSITY)

SHRISHTI

NEWS LETTER

JANUARY 2024

"The world is but a canvas to our imagination."

DEPARTMENT OF CIVIL ENGINEERING



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PROGRAMMES OFFERED BY THE DEPARTMENT

- **B. Tech. Civil Engineering**
- **M. Tech. Structural Engineering and Construction Management**
- **M. Tech. Sustainable Environmental Engineering**
- **Ph.D. Civil Engineering**

FACILITIES IN THE DEPARTMENT



Survey Lab



Environmental Engineering Lab



Hydraulic Engineering Lab



Structural Engineering Lab



Geotechnical Engineering Lab



Renewable Energy Lab



Transportation Engineering Lab



Strength of Materials Lab



Construction Materials Lab



Civil Design Centre

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DEPARTMENT EVENTS

Dr. Daniel C and Dr. J Samuel explored and interacted with the Exhibitors in the latest and emerging Green Building Products, Materials and Technologies at the Green Buildings Expo at Chennai Trade Centre.



FACULTY ACHIEVEMENTS

Patent Granted



An appreciation award was given to Professor Joanna P S, on Republic Day for her Patent granted by the Indian Government for her invention “Double skinned beam-columns with outer Cold-Formed Steel and inner GFRP tubes for seismic regions”

Guest Lecture



Dr. Daniel C
delivered a talk
on “AI Tools for
Research
Writing” at
Sathyabhama
Institute of
Science and
Technology,
Chennai on
January 19, 2024



PAPER PRESENTATION



Dr J Samuel (middle) presented a paper titled “Flexural behaviour of GFRP – Concrete composite slabs” in the 13th Structural Engineering Convention (SEC 2023), VNIT Nagpur, India, 07-08, December, 2023



Dr Daniel C presented a paper titled “A study on energy dissipation capacity of a multi-coil magnetorheological damper for seismic mitigation” in the 13th Structural Engineering Convention (SEC 2023), VNIT Nagpur, India, 07-08, December, 2023



Dr.

Daniel delivered a talk on “Writing Literature Review Article at Bajiraoji Karanjekar College of Pharmacy, Sakoli, Maharashtra on December 6th, 2023 and INUPI2I IIT



INDUSTRIAL VISITS



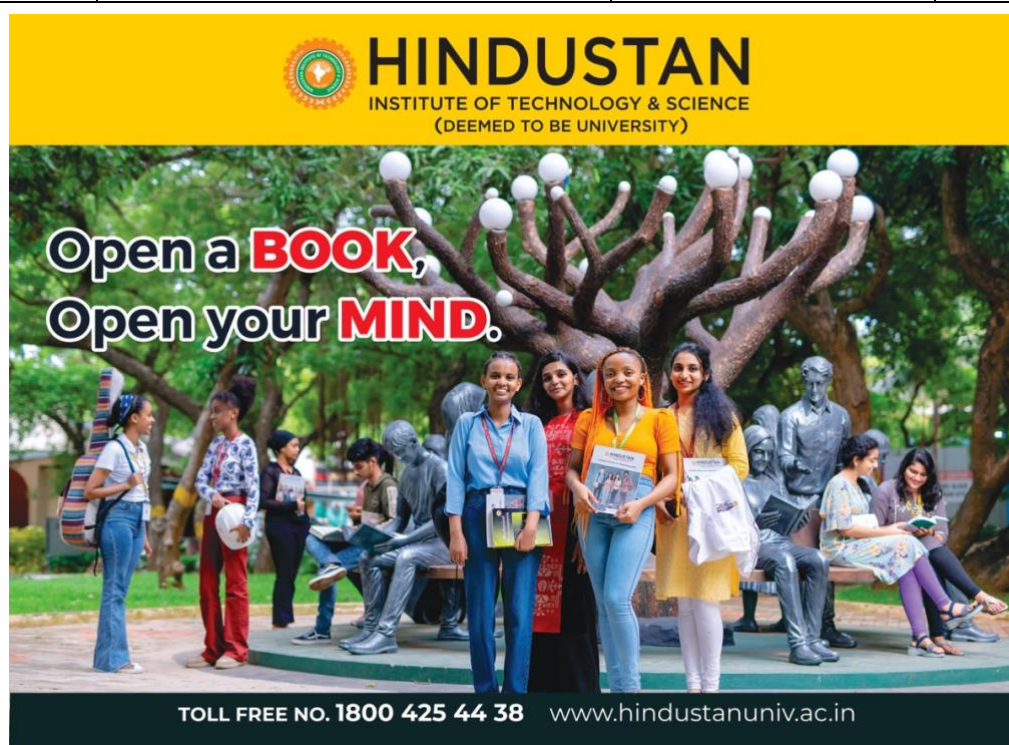
**Industrial Visit to MVR Cinemas Construction Site, Guduvanchery on
31/1/2024**



Industrial Visit to Adani Port, Kattupalli on 3/11/2023

FACULTY PUBLICATIONS

Name of the Author(s)	Title	Name of the Journal	Publication Details
Johnpaul Vincent, Balasundaram Natarajan, Daniel C,	An Evaluation of Mechanical Properties of Nano GGBFS in Concrete with Statistical Validation,	Buildings, MDPI	, 13(12), 3060, 2023
S. Syed Abdul Rahman, K. S. Satyanarayanan, C. Daniel,	Experimental investigation and numerical simulations of the sandwich wall panel with RC frames under static loading”,	Research on Engineering Structures and Materials, 2023.	11 (6),2023, pp.3305-3313
Madhavi Latha Annamdasu, Surya Prakash Challagulla, Vyshnavi Pesaralanka, Ismail Hossain, Daniel C,	“Numerical analysis of the primary and secondary structural dynamic interaction effects on elastic floor response spectra”	Research on Engineering Structures and Materials, 2023.	2023





STUDENT PUBLICATIONS

Name of the Author(s)	Title	Name of the Journal	Publication Details
Hemnath Kasaram, Amudhan Vijayakumar, Daniel C, Saran Sathish kumar	Magnetic Pole Repulsive Damper (MPRD): A Promising Solution for Seismic Protection of Structures	Advances in Civil and Architectural Engineering	14 (27), 2023, pp. 97- 113
Saran Sathish Kumar, Amudhan Vijayakumar, Daniel C, Hemnath Kasaram,	“An experimental and numerical simulation of a novel Magnetic Pole Repulsive Passive Damper for vibration control”,	Advances in Civil and Architectural Engineering	14 (27), 2023, pp. 114-130
T. Dithurson, C. Daniel, S. Vivekananda Sharma, G. Hemalatha, Shalini R. Nair, A. Arun Solomon,	“Experimental Investigation of High-Force-To-Volume Extrusion Damper Subjected to Cyclic and Time History Loading”	Journal of Applied Engineering Sciences	13 (26), 2023, pp. 183-188."



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