DR. PRABHU V.

Assistant Professor (SS),
Hindustan Institute of Technology and Science
vprabhu@hindustanuniv.ac.in

Teaching & Industrial Experience: 12 Years

Research area:
Sustainable Concrete/ Reusing waste materials in concrete/ Fibre Reinforced Concrete

ACADEMIC PROFILE

Teaching Expertise: Construction Management, Construction Materials, Construction Personnel Management, Repair and Rehabilitation of Structures, Building Services, Environmental Engineering, Contract Laws and Regulations, Research Methodology and IPR's.

RESEARCH AND STUDENT PROJECTS

- Polypropylene Fibre Reinforced Pervious Concrete with Recycled Aggregate.
- Experimental Investigation on Natural Fibre Reinforced Concrete.
- Study on the Performance of Steel Scrap Fibre Reinforced Fly Ash Concrete.
- Study of Risk Factors and Risk Assessment in Construction Industry.
- Comparative Study on Steel Fibre Reinforced Concrete and Steel Fibre Reinforced Fly Ash Concrete.
- Experimental Investigation of Nylon Fibre Reinforced Fly Ash Concrete.
- Study on Polypropylene Fibre Reinforced Fly Ash Concrete.

NOTABLE ACHIEVEMENTS

- Filed a Patent 'Sewage Treatment System using Pyrolysis Process' : Published on 27.11.2020 (Co-Inventor)
- Recognition on Teachers day for being one among top twenty performers – September 2014, Hindustan Institute of Technology and Science, Chennai.

PUBLICATION

- Prabhu V. and Jessy Rooby (2021). "Performance of component level testing for building material containing waste products". Materials Today: Proceedings (Press), pp.1-9.
- Prabhu V., Jessy Rooby and Rajaraman A. (2019). "Investigational study on eco and energy friendly Infrastructural Material". Journal of Green Engineering, 9(1), pp.112-135.

- Prabhu,V., Jessy Rooby., and Rajaraman, A. “Energy Based Design with Eco-Friendly Materials in Infrastructural Systems” Proc. 6th Annual International Conference on Architecture and Civil Engineering (ACE), pp.572-575, 2018. ISSN 2301-394X.
- Prabhu V. and Jessy Rooby, “Behavior of Steel Fiber Reinforced Concrete Beam using Fly Ash”. International Journal of Civil Engineering and Technology, Vol. 9, Issue 1, January 2018, pp. 79-89.
- S.Sivarasan and Prabhu V. (2016). 'Utilization of Waste Plastics and Carbon Rubber in Bitumen', International Journal of Emerging Technologies in Engineering Research, Vol.4, Issue 5, pp. 62-65
- Naveen Kumar. G.V and Prabhu.V (2016). 'Factors Influencing Time and Cost Overruns in Construction Projects', International Journal of Innovative Research in Science, Engineeringand Technology, Vol.5, Issue 4, pp. 6468-6473.

CONFERENCE PUBLICATION

- Polypropylene Fibre Reinforced Pervious Concrete with Recycled Aggregate. International Conference on ‘Smart Grid and Electrical Vehicle’(ICSGEV21)- 15th and 16th July 2021, HITS , Chennai.
- Materials with energy and emission basis for design and Construction. National Conference on ‘Recent Advanced Materials’ (NCRAM2018) - February 23 and 24 , 2018, Thiruvalluvar University College of Arts and Science, Thennangur, Vandavasi, Tamil Nadu, India.
- Green and Sustainable Construction Management. International Conference on ‘Renewable Energy and Environmental Engineering’ (ICREEE2014) -29th December 2014, Cafet-Innova Technical Society-India, Vijayawada, India on.