



SRINIVAS UNIVERSITY

Mangalore-575001, Karnataka (India)

Srinivas Research Centre for Concrete Technology



UMADEVI. CV

Scope for Research centre in Concrete Technology

Concrete is a very strong and versatile construction material. It is used more than any other man made material in the world. Worldwide about 10 billion tonnes of concrete are produced every year. There has been rapid advances in concrete technology during the past three decades or so. The improvement in strength and other structural properties achieved earlier through the use of steel reinforcement are now accepted as routine and the reinforced cement concrete and pre-stressed concrete have become conventional materials. Later work led to the development of a variety of concretes in the form of, among others, fibre reinforced concrete, polymer concrete, Ferro cement, sulphur concrete, lightweight aggregate concrete, autoclaved cellular concrete, high-density concrete, ready-mixed concrete, self-compacting concrete, roller compacted concrete, high strength concrete, super high-strength concrete, high performance concrete, high-volume fly ash concrete, self-curing concrete, floating concrete and smart concrete

This research centre deals with study and experimental investigation on cement, cement composites, concrete and allied materials that incorporate cement and aggregates. The result will be obtained on research of the properties and the performance of cement and concrete, latest analytical and modelling methods, examination and diagnosis of real cement and concrete structures, the potential for improved materials.

Objective

1. To act as a centre for offering quality training programmes for scholars as per need of the present Industrial needs, covering the entire gamut of technical and practical requirement.
2. To arrange conferences, seminars, workshops and lectures on topics which are practical and required for a research scholar.
3. To undertake, promote and assist experimentation and innovations in education and development of a student research program.
4. To carry on research and extension work in relation to various practical problems within and outside the formal educational system.
5. To motivate students to write and publish journals in National and International papers.
6. To involve Industry experts in selecting and developing the research projects which are practically in demand.
7. To cooperate with other organizations and centres for furtherance of education and development on mutually beneficial terms to carry out the objectives of the Institute.

Strategies

- The Working Paper Series
- Regular Research Seminars
- Consultation with the local business community to identify research opportunities
- Provision of funding support for research activities
- Research training workshops from Industry experts

- Research mentoring
- Awards for recognising research excellence

Team members:

1. Mrs. AmulyaG.V
2. Mr. Yogesh.G
3. Mrs. Shilpa S

Publications

1. Published paper entitled “Studies on Behaviour of Compressive Strength of Geo-Polymer Concrete Using Recycled Aggregates” in International Journal on Design and Manufacturing Technologies, Vol 7, Issue2, 2013, pp39-45.
2. Published paper entitled “Study on Strength Characteristics of Recycled Aggregate Concrete using PP Fiber” in International journal of Civil Engineering Technology & Research, Vol 2, Issue 1, 2014, pp251-255.
3. Published paper entitled “Studies on Flexural Behaviour of PVA Fiber Reinforced Bendable Concrete Composites” in Indian Concrete Journal, Vol88, Issue 6, 2014, pp25-27.
4. Published paper entitled “A Study on properties of Concrete by Using Cinder Aggregates” in IPH James D’sa Education Series (ISBN 978 – 93- 84698/61- 4) and in IEAE Digital Library of Research Paper.
5. Published paper entitled “A Study on strength parameters of Concrete using Bottom Ash” in International Journal of Recent Scientific Research. Vol. 9, Issue, 6(D), pp. 27478-27480, June2018
6. Published paper entitled “To study strength parameters of Concrete using Basalt Fiber” in International Journal of Research in Engineering and Technology.ISSN 2321/7308,Vol 07, Issue 07,Jul-2018,PP 150-153