

29<sup>th</sup> – 31<sup>st</sup> January 2024

Organized by

**SATHYABAMA**

INSTITUTE OF SCIENCE AND TECHNOLOGY  
DEEMED TO BE UNIVERSITY  
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**Center for Remote Sensing and Geoinformatics**

&

**Department of Civil Engineering**

**Sathyabama Research Park**

Sathyabama Institute of Science and Technology

Jeppiaar Nagar, Rajiv Gandhi Salai

Chennai-600 119, Tamil Nadu, INDIA.

Sponsored by



सत्यमेव जयते

**Ministry of Earth Sciences  
(MoES)**

Government of India

Prithvi Bhawan,

Lodhi Road, New Delhi

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# THREE DAYS NATIONAL WORKSHOP ON GEOSPATIAL AND CUTTING EDGE TECHNOLOGIES FOR COASTAL PROTECTION MEASURES

29<sup>th</sup> - 31<sup>st</sup> January 2024

## Sathyabama Institute of Science and Technology

Sathyabama is a prestigious institution which excels in the fields of Engineering, Science and Technology for more than three successful decades. It offers multi-disciplinary academic programmes in various fields of Engineering, Science, Technology, law, Dental Science, Pharmacy, Nursing, Management, Arts and Science and Allied Health Sciences. It is established under Sec.3 of UGC Act, 1956 and is been Accredited with 'A' Grade by the National Accreditation and Assessment council. Sathyabama has been ranked in 40th position by the NIRF among the Universities in India for the year 2021 and ranked one among the top 50 Universities for six consecutive years. Sathyabama is ranked among the Top 5 Institutions in the Country for Innovation by ATAL ranking for Innovation Achievements. TIMES Higher Education and QS has ranked Sathyabama among the top Institutions worldwide. It is a research intensive University with world class laboratories and research facilities and has undertaken various sponsored and collaborative R&D projects funded by National and International Organisations. Sathyabama has written a special page in the history of space research in June 2016 with the launch of "SATHYABAMASAT" in association with ISRO. Visit us on : <https://www.sathyabama.ac.in>.

## Centre for Remote Sensing and Geoinformatics

Centre for Remote Sensing and Geoinformatics (CRSG) is the first research centre managed by Sathyabama Institute of Science and Technology to focus on Advanced Remote Sensing and GIS applications in interdisciplinary aspect. Centre has been established in 2004 as a joint initiative of ISRO and Sathyabama Institute to fulfil the goal of establishing advanced centers in frontier areas of Science and Technology. To its credit CRSG was considered as a nodal centre for conducting Geospatial training programme supported by ISRO-IIRS, and various training programs supported by Department of Science and Technology (DST)-NRDMS program, Ministry of Earth Sciences (MoES), Science and Engineering Research Board (SERB) and ISRO-Respond. Centre has successfully completed many research projects funded by various agencies and research organisations like, DST, Bharatiya Nabikiya Vidyut Nigam Ltd. (DAE-BHAVINI), National Institute of Wind Energy (NIWE), SERB, ISRO, and MoES. Visit us on: <http://www.su-crsq.org>.

## About the workshop

The Coastal protection works, planned and executed in the early 1960's concentrated mostly on the local requirements and the benefits were confined to a smaller region. However, as the concept of sustainable development gained momentum, the emphasis is towards broadening the benefits derived from the coastal protection measures. Extensive damage caused by the Indian Ocean Tsunami during Dec - 2004 to the coastal zone, has given additional importance to the coastal protection measures. In this direction conducting workshop on "Coastal Protection Measures" to discuss and share the experiences gained by various implementing agencies and academic Institutions was felt essential.

The Workshop would identify various means of Coastal Protection Measures, including benchmarking international Practices and a working group be formed with competent representatives from Planning Commission, Central Government Ministries, State Union Territory administration. Technical experts etc. The Workshop would identify various surveys and studies to be conducted for each of the coastal states for developing suitable protective measures. The workshop would also help in developing long-term relationships with International / Nation experts on the above subject.

## Topics to be covered in the workshop but not limited to:

- Beach Nourishment and Restoration
- Coastal Dynamics
- Ecosystem based management: Ecosystem services and human wellbeing
- Data-Model Integration to Improve Reconstructions & Forecasts of Coastal Change
- Interdisciplinary Investigations into Water-Land Processes During Major Storms
- The Role of Offshore Sedimentary Deposits in Past Coastal Evolution and Future Coastal Resilience

### Expected participants:

This workshop is aimed for the broad range of stakeholders from Earth observation communities, research and academic communities assessing the intermediate and long-term impacts of marine debris. United Nations and National agencies engaged in making progress towards SDG 14, tackling various aspects of the problem of coastal protection, as well as experts working at the interfaces between these communities with the goal to ensure that knowledge required for policy making is created, accessible and usable. Participants are from Academic Students, Scholars from Colleges, Universities, Teaching Professionals, R&D, Scientists, State & Central Govt officials, NGO, Coast Guards, Port Officials, Fisheries etc..

### Important Dates

Registration link: <https://forms.gle/ensdv96HpzUZpYZi7>

Registration deadline : 25th January 2024

Dates of the program : 29<sup>th</sup> - 31<sup>st</sup> January 2024

Registration : Rs. 500 –Students (UG,PG & RS)

Rs. 800- Academics

Rs. 1000 - Industry

**VENUE: Sathyabama Research Park**



### Patrons

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**Dr. B. Sheela Rani**, Director (Research)

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**Name: Director Research,**

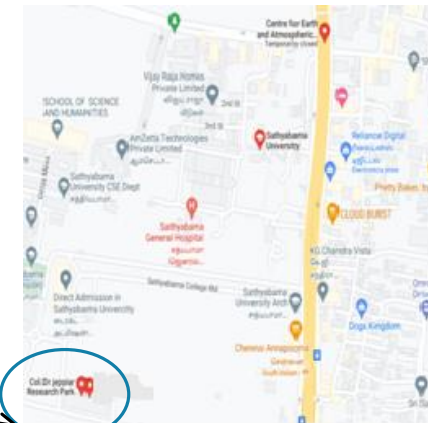
**A/C: 6569293542 IFSC: IDIB000S201,**

**Indian Bank Branch : Sathyabama University, Chennai.**

### How to Reach

Scan the QR code here to reach workshop venue.

*Certificates will be given to all registered participants at the end of the workshop.*



For any queries contact

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