



GITAM
DEEMED TO BE UNIVERSITY

BENGALURU • HYDERABAD • VISAKHAPATNAM



SDG # 14

Progress Report : 2022-23

Introduction:

Sustainable Development Goal 14 (SDG 14) focuses on conserving and sustainably using the oceans, seas, and marine resources for sustainable development. The goal acknowledges the crucial role that oceans play in regulating the Earth's climate, providing food and livelihoods for billions of people, and supporting a rich diversity of life forms. However, the oceans and marine ecosystems face significant threats from human activity, including overfishing, pollution, climate change, and habitat destruction. SDG 14 seeks to address these threats by fostering the sustainable management of marine resources, protecting biodiversity in marine ecosystems, and ensuring that oceans continue to provide benefits for current and future generations. This goal is interconnected with various aspects of human life, from economic development to food security and climate regulation.

Research:

☞ Research Publications in Scopus Index: GITAM has a relative activity index of 0.7 in its Scopus indexed publications relating to SDG14 during the reference period of 2021-2023.

☞ ***Projects:***

GITAM got RS. 13.69 crores from the department of science and technology and Union Ministry of Science and Technology, to set up a centre for drug discovery and marine biology research.

Education:

GITAM has good number of faculty who are actively engaged in the area of marine biology research.

1. M. Sc. Environmental Sciences
2. B. Sc. Environmental Sciences
3. B. Sc. Environmental Management

In the above programs, special courses to relating to marine sciences are available as electives.

There is a course on 'Marine Pollution and Coastal Zone Management'

Key initiatives:

GITAM established a Center for Drug Discovery and marine biology research to focus on developing compounds from marine organisms that can help fight cancer, reduce inflammation, and tackle antibiotic-resistant diseases.

Progress:



GITAM's Professor KS Krishna Rao Receives Prestigious Indian Geophysical Union's Lifetime Achievement Award Bengaluru – 15th October 2024 – GITAM Deemed to be University is proud to announce that Prof. KS Krishna Rao, a Professor and Dean of the GITAM School of Science, GITAM Deemed to be University has been honored with the prestigious Indian Geophysical Union's (IGU) Dr. Hari Narain Lifetime Achievement Award in Geoscience for the

year 2024. This esteemed award recognizes Prof. Krishna Rao's exceptional and sustained contributions to the field of Earth and Ocean Sciences, spanning over four decades of dedicated research, teaching, and industry engagement.

Prof. Krishna Rao's research has significantly advanced our understanding of plate tectonics and lithospheric dynamics, particularly in the Indian Ocean region. His expertise has not only enriched the academic world but has also had a profound impact on India's strategic interests, notably in extending the nation's claim on seabed territory beyond the exclusive economic zone at the UN headquarters in New York.

<https://newsmantra.in/gitams-professor-ks-krishna-rao-receives-prestigious-indian-geophysical-unions-lifetime-achievement-award/#:~:text=KS%20Krishna%20Rao%2C%20a%20Professor%20and%20Dean,h as%20been%20honored%20with%20the%20prestigious%20Indian>

Engagement:

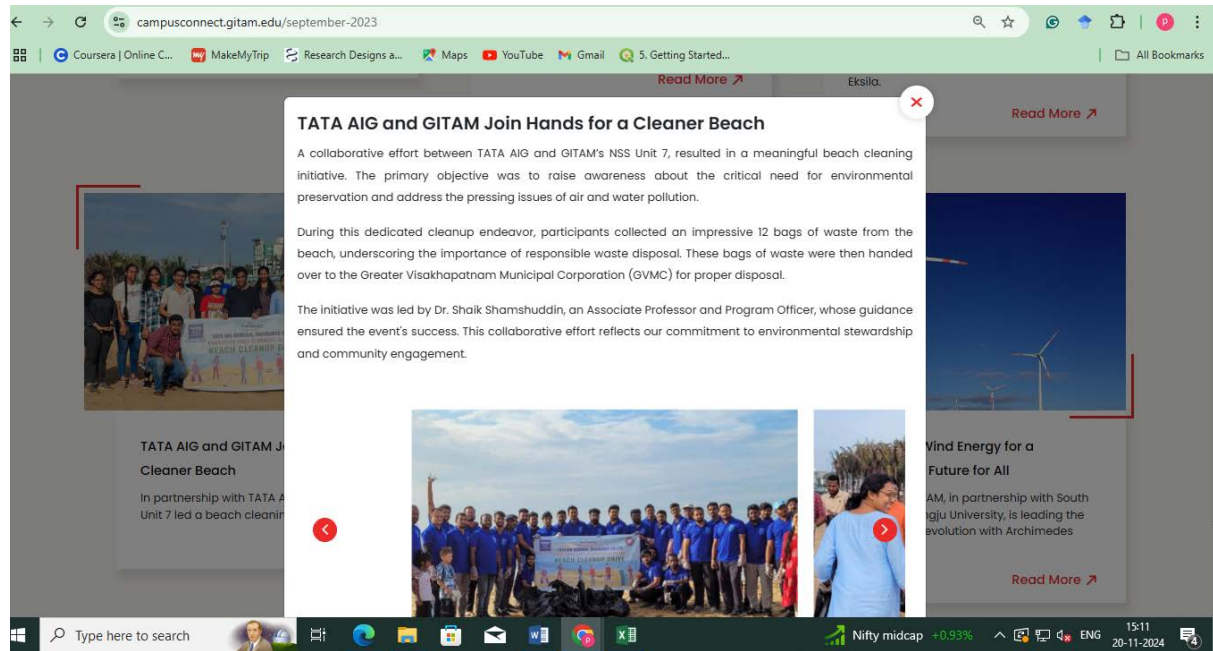
☞ Seminar on Marine Research:

GITAM Deemed to be University's School of Science recently organized a seminar on marine research opportunities in collaboration with esteemed institutions such as the National Institute of Oceanography (NIO), Central Institute of Fisheries Technology (CIFT), and Central Marine Fisheries Research & Technology Institute (CMFRTI). The seminar aimed to foster mutual interests and explore avenues for collaborative research.

☞ Minimizing Plastic Use and Plastic waste disposal

Outreach:

Beach Clean Up Program:



The screenshot shows a web browser window with the URL campusconnect.gitam.edu/september-2023. The main article is titled "TATA AIG and GITAM Join Hands for a Cleaner Beach". The text describes a collaborative effort between TATA AIG and GITAM's NSS Unit 7, aimed at raising awareness about environmental issues and addressing air and water pollution. It mentions that participants collected 12 bags of waste from the beach, which were then handed over to the Greater Visakhapatnam Municipal Corporation (GVMC). The initiative was led by Dr. Shaik Shamshuddin, an Associate Professor and Program Officer. The article is accompanied by a large group photo of participants in blue shirts holding a banner that reads "TATA AIG and GITAM NSS UNIT 7 BEACH CLEANUP DRIVE".

TATA AIG and GITAM Join Hands for a Cleaner Beach

A collaborative effort between TATA AIG and GITAM's NSS Unit 7, resulted in a meaningful beach cleaning initiative. The primary objective was to raise awareness about the critical need for environmental preservation and address the pressing issues of air and water pollution.

During this dedicated cleanup endeavor, participants collected an impressive 12 bags of waste from the beach, underscoring the importance of responsible waste disposal. These bags of waste were then handed over to the Greater Visakhapatnam Municipal Corporation (GVMC) for proper disposal.

The initiative was led by Dr. Shaik Shamshuddin, an Associate Professor and Program Officer, whose guidance ensured the event's success. This collaborative effort reflects our commitment to environmental stewardship and community engagement.

Way forward:

GITAM is committed to reduce the usage and proper disposal of plastic. The major cause of marine pollution is usage of plastic and reckless disposal of plastic used items like carry bags etc. Being a university located at seashore, it always committed to contribute for the cleanliness of beaches. Having a big fishermen hamlet nearby the university vicinity, it is also committed to the development of fishermen community and fisheries sector.