

## **Best Practice No. 2 (2022-2023)**

1) Title of the Practices :	<b>Introduction of Coastal Environmental Studies Research Centre: A Destination at hand for Aspiring Researchers</b>
2) The context that required the initiation of the practice (100 – 200 words) :	<p>The Bay of Bengal Coastline is not only a site of breathtaking natural beauty but also a region of immense ecological importance. However, with rising concerns over climate change, sea-level rise, and environmental degradation, there's a pressing need to better understand and address the challenges faced by coastal communities and ecosystems scientifically, economically and literally.</p> <p>Egra SSB College, situated in close proximity to the Bay of Bengal, has long been at the forefront of academic excellence and community engagement. Recognizing the need to leverage its geographical advantage and intellectual capital for the betterment of coastal environments, the college administration, in collaboration with environmental experts and stakeholders, took the visionary step of establishing the Coastal Environmental Studies Research Centre (CESRC) under Vidyasagar University.</p>
3) Objectives of the practice (50 – 60 words) :	<p>Engage researchers in a multidisciplinary way The basic objectives of the practice to-</p> <ul style="list-style-type: none"><li>• Identify flora and fauna of coastal environment</li><li>• Isolate and purify economically and medicinally important bioactive compounds from coastal resources</li><li>• Analyze the trend of climatic changes and their immediate long-term effect on environment</li><li>• Investigate the effect of different types of radiation on economically important fruits, vegetables and crops</li><li>• Study the livelihood of tribal peoples in and around our college</li><li>• Have an inlet into life stories and culture studies of the coastal belt.</li><li>• Evaluate the writers and the researchers taking stock of lives of stories prevalent in the coastal belt.</li></ul>

<p>4) The Practice (250 – 300 words):</p>	<p>Established in 2021 and gaining prestigious affiliation to Vidyasagar University, the Coastal Environmental Studies Research Centre (CESRC) has swiftly carved its niche as a multidisciplinary powerhouse. Guided by a dedicated PhD committee of 3 internal and 4 external members, and a steering committee comprising 3 internal and 1 external member, CESRC fosters a diverse and enriching academic environment. Its inaugural cycle witnessed the remarkable success of 28 PhD scholars navigating the intricacies of their coursework, adhering to the stringent guidelines of UGC.</p> <p><b>I. Adherence to UGC and University Regulations:</b> CESRC strictly adheres to all rules and regulations stipulated by the UGC and Vidyasagar University regarding research activities, ethics, and academic standards.</p> <p><b>II. Well-Framed Coursework Syllabus:</b> CESRC has developed a comprehensive coursework syllabus approved by Vidyasagar University, designed to provide research scholars with a strong foundation in coastal environmental studies.</p> <p><b>III. Seminars, Special Lectures, and Field Trips:</b> CESRC organizes regular seminars, special lectures, and field trips for research scholars to enrich their understanding of coastal environmental issues and research methodologies. Renowned experts from academia, government agencies, and non-profit organizations are invited to deliver lectures and share their insights on relevant topics. The following ventures have been undertaken at par with effective functioning of CESRC.</p> <p><b>a. Special Lecture on “Entrepreneurship Development”:</b> DATE: 27<sup>th</sup> June, 2023 NO OF PARTICIPANTS: 28 (PhD Scholars) &amp; 50 PG Students</p> <p><b>b. Special Discussion on “Fundamentals of Research in Higher Education”:</b> DATE: 06<sup>th</sup> May, 2023  NO OF PARTICIPANTS: 50</p> <p><b>c. One Day Seminar on “Research Methodology”:</b> DATE: 27<sup>th</sup> June, 2023 NO OF PARTICIPANTS: 28 (PhD Scholars) &amp; 50 PG Students Field trips to coastal habitats, research stations, and conservation sites provide research scholars with hands-on experience and opportunities for data collection and fieldwork. Field Trip to Digha &amp; Talsari with PhD Scholars and Supervisors: Date: 23rd July 2022 Location: Digha, Talsari Coast, India Participants: 28 PhD Scholars and Supervisors, Coastal Environmental Studies Research Centre This report summarizes a field trip undertaken by 28 PhD scholars and supervisors from the Coastal Environmental Studies Research Centre (CESRC) to Digha and the Talsari coast on 23rd July 2022. The primary objective of the trip was to provide students with firsthand experience of coastal resources and ecosystems, enabling them to develop research ideas and enhance their understanding of coastal environmental issues.</p>
<p>5) Obstacles faced if any strategies adopted to overcome them (150 – 200 words):</p>	<p>The Coastal Environmental Studies Research Centre, despite its rapid growth and success, has encountered several challenges that have hindered its operations and the progress of its research scholars. Those are as follow:</p> <p><b>I. Lack of Sufficient Research Laboratories:</b> One of the primary challenges faced by CESRC is the insufficient availability of</p>

	<p>research laboratories equipped with the necessary infrastructure and facilities.</p> <p><b>II. Lack of Modern Instruments, necessary research books and Journals:</b> Absence of cutting-edge instruments such as water quality analysers, HPLC, Mass Spectra, FTIR and DNA sequencing equipment and shortage of adequate number of research books and journals in the college library. Limits the scope and depth of research that can be undertaken at CESRC.</p> <p><b>III. Difficulty in Framing Research in Line with Coastal Environment:</b> The interdisciplinary nature of coastal environmental studies, encompassing subjects of various disciplines like Science Commerce and Humanities.</p>
6) Impact of the Practice (100 - 120) :	<p>The Coastal Environmental Studies Research Centre (CESRC) at Egra SSB College has emerged as a beacon of excellence and innovation in the field of coastal environmental research since its affiliation to Vidyasagar University in 2021.</p> <p><b>I. Inception and Initial Cohort:</b> Founded with a vision to address pressing environmental challenges along the Bay of Bengal Coast, CESRC began its journey in 2021 with an inaugural cohort of 28 enthusiastic research scholars.</p> <p><b>II. Academic Rigor and Mentorship:</b> CESRC's commitment to academic excellence was evident at the outset as all 28 research scholars successfully completed their PhD coursework and pre-submission seminar within the first year of admission.</p> <p><b>III. Research Productivity:</b> Within a remarkably short span of time, CESRC's first cohort of PhD scholars demonstrated outstanding research productivity, collectively publishing more than 30 papers in reputed national and international journals.</p> <p><b>IV. Continued Success and Expansion:</b> The coursework for the second cohort has commenced with 17 motivated students, marking a continuation of CESRC's commitment to fostering excellence and innovation in coastal environmental studies.</p> <p><b>V. Impact and Recognition:</b> CESRC's success story serves as a testament to the transformative power of interdisciplinary research, mentorship, and collaborative learning in addressing complex environmental challenges.</p>
7) Resources required:	Smart Classrooms, Intellectually Sound Supervisors with Research Experiences, Active and Interested Research Scholars, College Library well equipped with Research Books and Journals, Adequate Funds, Modern Tools and Technologies, Whole Hearted Co-operation from College Authority, Uninterrupted Support and Services from Affiliating University.
8) About the Institution :	
i) Name of the Institution	i. Egra Sarada Shashi Bhusan College.
ii) Year of Re- Accreditation	ii) 2015
iii) Address	iii) At + P.O. – Egra, Dist – Purba Medinipur, West Bengal, PIN - 721429.
iv) Grade awarded by NAAC	iv) 2.32
v) E-mail	v) <a href="mailto:info@egrassbcollege.ac.in">info@egrassbcollege.ac.in</a>
vi) Contact Person for further details	vi) Principal / Co-ordinator, IQAC.
vi) Website	vii) <a href="http://www.egrassbcollege.ac.in">www.egrassbcollege.ac.in</a>