

## Best Practice No. 2 (AOAR), 2023-2024

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 a location of great ecological significance in addition to being a place of spectacular natural beauty. However, there is an urgent need to better comprehend and handle the difficulties encountered by coastal populations and ecosystems from a scientific, economic, and literal standpoint, given the growing worries about climate change, sea level rise, and environmental degradation.</p> <p>Located near the Bay of Bengal, Egra SSB College has long been a leader in both community involvement and academic performance. The college administration, working with stakeholders and environmental experts, took the bold decision to establish the Coastal Environmental Studies Research Centre (CESRC) under Vidyasagar University after realizing the need to use its intellectual capital and geographic advantage to improve coastal environments.</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>The Coastal Environmental Studies Research Centre (CESRC), which was founded in 2021 and has earned a distinguished affiliation with Vidyasagar University, has quickly established itself as a multidisciplinary powerhouse.</p> <p>CESRC promotes a varied and stimulating academic environment under the direction of a steering committee made up of three internal and one external member, as well as a dedicated PhD committee with three internal and four external members. In its 2<sup>nd</sup> cycle, 15 Ph.D. researchers successfully navigated the complexities of their coursework while following the strict UGC criteria.</p> <p><b>I. Adherence to UGC and University Regulations:</b> CESRC closely complies with all guidelines set forth by Vidyasagar University and the UGC with relation to academic standards, ethics, and research activities.</p> <p><b>II. Well-Framed Coursework Syllabus:</b> In order to give research scholars a solid foundation in coastal environmental studies, CESRC has created a thorough curriculum that has been authorized by Vidyasagar University.</p> <p><b>III. Seminars, Special Lectures, and Field Trips:</b> To help research researchers better grasp coastal environmental challenges and research procedures, CESRC regularly hosts seminars, special lectures, and field trips.</p> <p>Prominent authorities from academic institutions, governmental bodies, and nonprofit groups are asked to give talks and offer their perspectives on pertinent subjects. In keeping with the efficient operation of CESRC, the following endeavors have been undertaken.</p>
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	<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</p> <p>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: 50 PG students and 28 PhD scholars  Research scholars can gain practical experience and opportunity for data collecting and fieldwork by going on field visits to coastal ecosystems, research stations, and conservation areas.</p> <p>Field Trip to Digha &amp; Talsari with PhD Scholars and Supervisors: Date: 23<sup>rd</sup> July 2022  Location: Digha, Talsari Coast, India  Participants: 28 PhD Scholars and Supervisors, Coastal Environmental Studies Research Centre</p> <p>This paper details a field trip to Digha and the Talsari coast that was conducted on July 23, 2022, by 28 PhD scholars and supervisors from the Coastal Environmental Studies Research Centre (CESRC). The trip's main goal was to provide students a firsthand look at coastal ecosystems and resources so they could come up with research ideas and improve their knowledge of coastal environmental challenges.</p> <p><b>IV. Organising Pre-Registration Seminar</b>  Date: 12<sup>th</sup> May, 2023  Presenters: 15 Ph.D. Scholars, CESRC  The purpose of the seminar was for each scholar to present their proposed research topic, methodology, and expected outcomes to the members of their PhD committee for feedback and initial approval.</p>
<p>5) Obstacles faced if any strategies adopted to overcome them (150 – 200 words) :</p>	<p>Notwithstanding its quick expansion and achievements, the Coastal Environmental Studies Research Centre has faced a number of difficulties that have impeded both its operations and the advancement of its research academics. They are as follows:</p> <p><b>I. Lack of Sufficient Research Laboratories:</b>  One of the primary challenges faced by CESRC is the insufficient availability of 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 fact that coastal environmental studies are interdisciplinary, covering topics from a variety of fields, including the humanities, sciences, and commerce.</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:	<p>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.</p>
8) About the Institution :	
i) Name of the Institution	i. Egra Sarada Shashi Bhusan College.
ii) Year of Re- Accreditation	ii) 2024
iii) Address	iii) At + P.O. – Egra, Dist – Purba Medinipur, West Bengal, PIN - 721429.
iv) Grade awarded by NAAC	iv) 2.43
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>

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