

Field Survey Report
1st Semester Report
On Ability Enhancement Compulsory Course (AECC) in Environmental Science

Krishnagar Women's College

Introduction:

The field survey for the 1st semester focused on the Ability Enhancement Compulsory Course (AECC) in Environmental Science, aimed at evaluating the learning outcomes and practical applications of the course. This report presents the findings from the survey conducted among students from various departments and programs who undertook the course during the 1st semester.

Course Overview:

The AECC course in Environmental Studies is designed to provide students with a thorough understanding of environmental issues and their implications. It aims to enhance students' abilities to critically analyze environmental problems and develop sustainable solutions.

Objectives:

1. **Assess Learning Outcomes:** Evaluate how well students from different departments understood the concepts related to environmental science.
2. **Evaluate Practical Applications:** Determine the effectiveness of practical fieldwork in reinforcing theoretical knowledge.
3. **Interdisciplinary Engagement:** Examine the degree of interdisciplinary collaboration and its impact on students' understanding of environmental issues.
4. **Identify Areas for Improvement:** Highlight strengths and areas for enhancement in the course structure and content.

Project Topics and Participants:

1. **Global Warming:**
 - Participants: Mathematics, Chemistry, and Economics department students.
2. **Comparison between Renewable and Non-renewable Energy:**
 - Participants: Bengali, English, Philosophy department students.
3. **Ecosystem of Grassland:**

- Participants: History, Sanskrit, Political Science department students.

Project Submission Dates:

- 19th September 2022

Methodology:

The survey involved both theoretical study and practical fieldwork. Students utilized the college library for research and conducted their fieldwork within the college premises. Honours students completed the AECC course in the 1st semester. They gathered all information within the provided time.

Course Instructors:

The AECC course is conducted by the Department of Chemistry under the guidance of instructors Ipsita Pramanik and Nabanita De.

Findings:**1. Global Warming Project:**

- Students demonstrated a deep understanding of the causes and consequences of global warming.
- Mathematics students contributed significantly to data analysis, Chemistry students focused on chemical aspects, and Economics students examined economic implications.

2. Comparison of Energy Sources:

- Participants showed strong interest in evaluating the advantages and disadvantages of renewable and non-renewable energy sources.
- Students from various departments provided diverse perspectives, enriching the learning experience.

3. Ecosystem of Grassland:

- Students displayed a nuanced understanding of grassland ecosystems, including aspects of biodiversity, ecological balance, and conservation efforts.
- Fieldwork activities allowed students to observe the dynamics of grassland ecosystems firsthand.

Outcomes:

1. Enhanced Understanding: The course effectively enhanced students' understanding of critical environmental issues.

2. **Practical Skills Development:** Students developed practical skills through fieldwork and interdisciplinary collaboration.

3. **Interdisciplinary Learning:** The course fostered valuable interdisciplinary interactions, demonstrating the relevance of environmental science across various academic disciplines.

Conclusion:

The 1st semester field survey highlights the effectiveness of the AECC course in Environmental Studies in promoting interdisciplinary learning and practical development among students. The active engagement of students from diverse academic backgrounds indicates the course's relevance and applicability across disciplines.

Recommendations:

1. **Encourage Interdisciplinary Collaboration:** Facilitate more collaboration and discussion among students from different departments.

2. **Increase Fieldwork Opportunities:** Incorporate additional fieldwork opportunities to provide practical exposure to environmental concepts.

3. **Update Course Content Regularly:** Continuously update the course content to reflect the latest developments and challenges in environmental science.