CHRIST
COLLEGE (AUTONOMOUS)
IRINJALAKUDA, KERALA

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CRITERION	II	Teaching-Learning and Evaluation
KEY INDICATOR	2.3	**Teaching - Learning Process**
METRIC	2.3.1	**Student-centric methods such as experiential learning, participative learning and problem-solving methodologies are used for enhancing learning experiences:**

DEPARTMENT OF ENVIRONMENTAL SCIENCE

(ACADEMIC YEAR 2022-2023)

Introduction

The term student-centered learning refers to a wide variety of educational programs, learning experiences, instructional approaches, and academic-support strategies that are intended to address the distinct learning needs, interests, aspirations, or cultural backgrounds of individual students and groups of students. It mainly involves Experiential learning, Participative learning, and Problem-solving methods.

SI NO 2.3.1	PARTICIPATIVE LEARNING 2.3.1(a)	EXPERIENTIAL LEARNING 2.3.1 (b)	PROBLEM-SOLVING METHOD 2.3.1 (c)
1	Alumni interaction program	Exposure field visit	Research Project

Participative Learning

Participatory methods are designed to build self-esteem and a sense of responsibility for one's decisions. It is used to gain an in-depth understanding of a situation, and is always conducted with the full and active participation of students and faculties. It provides students with an opportunity to gain professional values, knowledge, and skills.

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Objectives:

➢ Develop effective presentation skills along with the use of ICT enabled tools.

➢ Encourage student participation in external quizzes and seminars as well as to develop research attitude.

Alumni interaction Programme

Alumni interaction Programme was conducted on 30-10-2022 at Georgy lab to improve the job opportunities and trend in environmental science subject. After interacting with alumni, the students came to know the current importance of each Programme in the course. Alumni interaction is followed by student's presentation. The session was presided by our Principal Rev Fr Dr Jolly Andrews CMI, and all the faculties of Geology and Environmental Science were present in the program.

Program Attained Outcome:

➢ It helped to Develop effective presentation skills

➢ Encouraged student in developing research attitude

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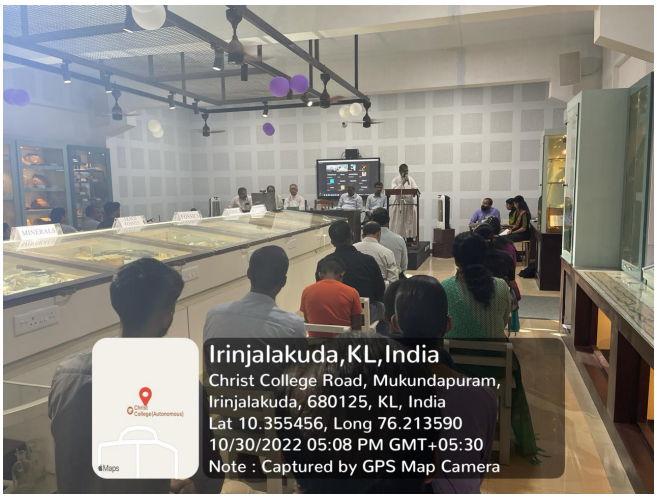
Geotag photo **Attendance**



Experiential learning

Experiential learning (EXL) is the process of learning through experience, and is more narrowly defined as "learning through reflection on doing". Hands-on learning can be a form of experiential learning, but does not necessarily involve students reflecting on their product. Experiential learning is the application of theory and academic content to real-world experiences, either within the classroom, the community, or the workplace, which advances program or course-based learning outcomes that are specifically focused on employability skills. It may be undertaken independently or in teams.

Department has made provision in structure of all academic programs to give students experiential and participative learning experience. Students can join any industry/ advanced laboratory /MNC etc. for Project work, assignment, quiz, presentation etc.

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Objectives:

- To help the students for a better understanding of course material.
- To make them understand the broader view of the world and an appreciation of community.
- To give them an insight into their own skills, interests, passions, and values.
- To provide opportunities to collaborate with diverse organizations and people.
- To make them familiar with Positive professional practices and skill sets.
- To develop self-confidence and leadership skills Activities

Exposure field visit

There were two field visits conducted in the academic year 2022-2023 to improve the learning outcome. One of the field visits was to Parambikulam wildlife sanctuary on 29-11-2022. During the field visit field-based assessment techniques was explained by different students' group and prepare notes. After the field visit students present their experience to other students and helped to increase the communication skills. The second Field visit was carried out to PeechiVazhani Wildlife Sanctuary on 7-2-2023.

Program Attained Outcome:

- Helped the students for a better understanding of course material.
- Made them understand the broader view of the world and an appreciation of community.
- Gave them an insight into their own skills, interests, passions, and values.
- Developed self-confidence and leadership skills Activities

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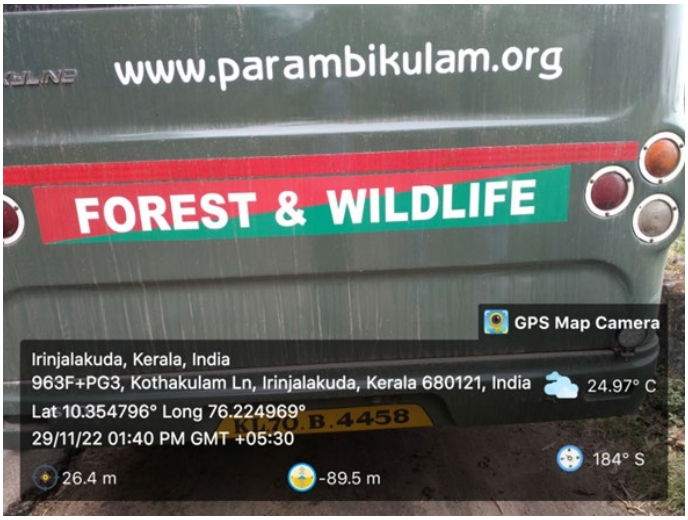
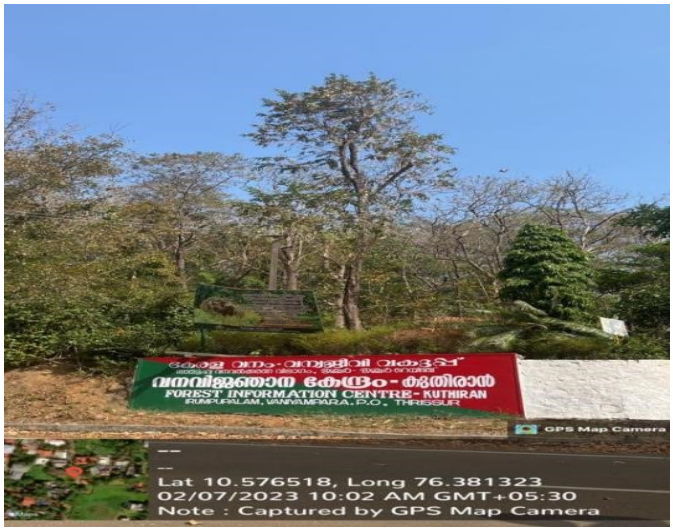
Geo tagged photos





Problem solving Method

Department provides students tasks that inculcate in them problem solving skills to train them as competent, capable, and accomplished individuals.

Objectives:

- ➢ To gain hands on training and to develop practical and research skills.
- ➢ Learn team work, communication skills and responsibilities
- ➢ To make the them excel in solving environmental issues

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Research Projects

The department strives to provide a conducive environment for the students to develop scientific insights and practical skills through projects. Each student will be assigned for concerned faculty for the guidance and sometime the students will be sent to the reputed research institutes. Altogether sixteen projects have been completed by our students in our department.

https://docs.google.com/spreadsheets/d/1_5q59D9m8ca0UPHmigHWIoPOjxQfbdAT/edit?usp=drive_link&ouid=115483207947597300737&rtpof=true&sd=true

Program Attained Outcome:

- ➢ Acquired hands on training and developed practical and research skills.
- ➢ Learned team work, communication skills and responsibilities
- ➢ Made them excel in solving environmental issues

PRINCIPAL
Fr. Dr. Jolly Andrews
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In-Charge of Principal
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