

PG DEPARTMENT OF BOTANY

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M. Sc. BOTANY

PG Department of Botany organized several programmes to support the students to understand the aspects of curriculum and career. Students are categorized based according to their academic performance.

They are divided into 2 groups and each consists of 8 students depending on the academic performance. Each group is assigned a teacher-mentor who would perform mentoring duties. A Mentoring format with guidelines is prepared by the IQAC to ensure uniformity.

OBJECTIVES:

- To enable newly joined students to get accustomed to campus life and the programs.
- To support Mentee to improve their ability to achieve their academic and career goals.
- To understand the social and academic problems of mentees personally.
- To reduce the gap between fast and slow learners.
- To develop skills to strengthen the abilities of each mentee.
- To prepare mentees for External Examination
- To facilitate the mentoring for poor performers at any stage during the education process
- To provide financial help for deserving students from the management for fee concession.

ACTIVITIES UNDERTAKEN:

- Group discussion
- Assessment of previous years question papers
- Field studies

PLG ACTIVITIES:

GROUP DISCUSSION WITH MENTOR AND MENTEE:

Outcomes:

Group discussions are a powerful tool for engaging learners, fostering collaboration, and generating insights. Four components of group mentoring were identified through factor analysis: psychosocial support, inclusion, networking, and role modeling. Mentoring discussion topics provide a framework for both the mentor and mentee to start a conversation to facilitate a positive experience. It also provides,

- *Enhanced self-esteem and self-confidence.*
- *Social-emotional development benefits*
- *Improvements in youth perceptions of parental relationships,*
- *Professional or personal development*
- *Gain practical knowledge and insight*
- *Improves ability to express expectations, goals and concerns.*

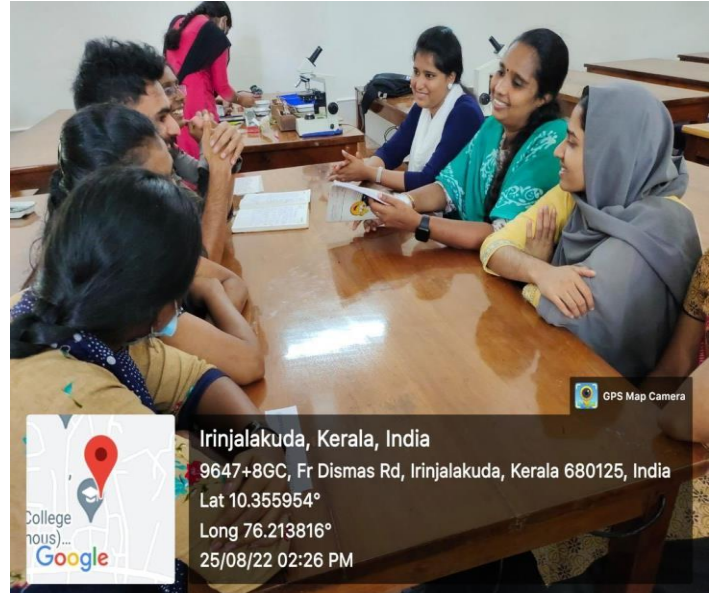
OFFLINE MODE:



GROUP A



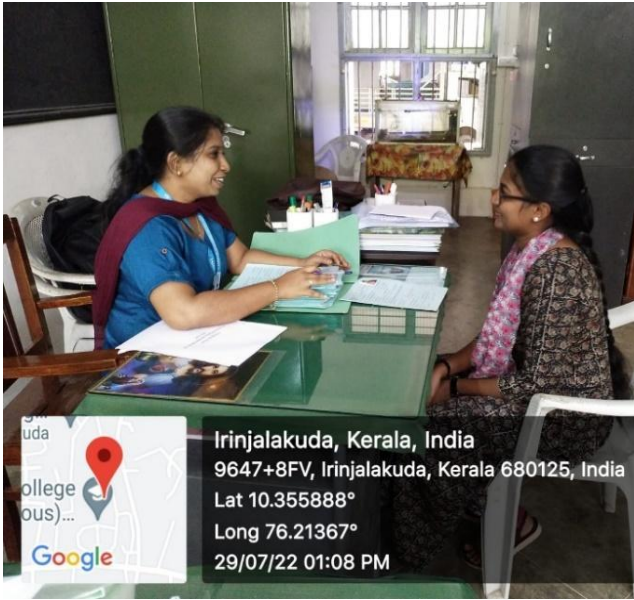
GROUP B



INDIVIDUAL MEETING WITH MENTEES:

Outcomes:

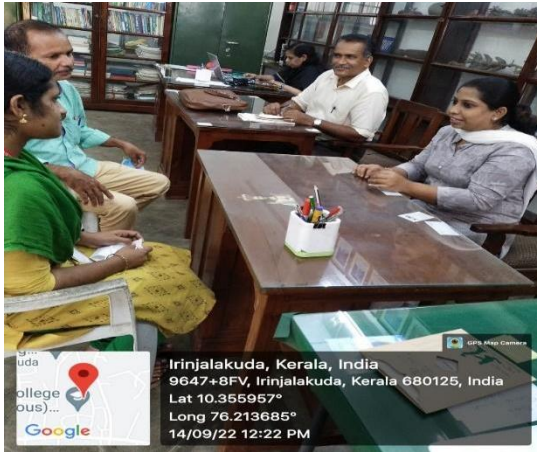
1. *Develop ability to self-develop*
2. *Demonstrates strength and explores potential.*
3. *Improves ability to express expectations, goals and concerns.*



MEETINGS WITH MENTEES ALONG WITH THEIR PARENTS:

1. *To empower parents to support their children both in academic and extracurricular activity.*
2. *To provide a peaceful and healthy environment for their studies*
3. *To aware the weakness and Strengths of their children's.*

OFFLINE MODE:



ONLINE MODE:

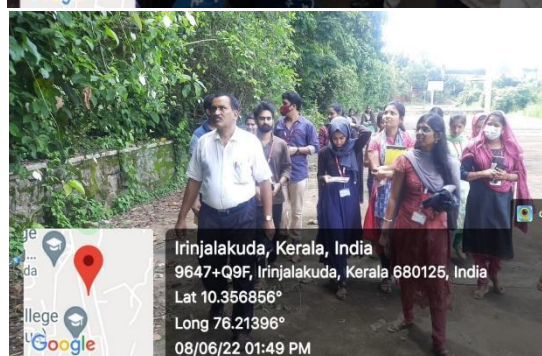


CAMPUS VISIT WITH SUBJECT EXPERTS FOR PLANT OBSERVATION

Purpose is to develop observation skill to recall your surroundings. This practice is often associated with mindfulness because it encourages you to be present and aware of the details of your daily life. Aim is to conduct a detailed study and identification of the specimen, thus grouping them under the appropriate classification criterion. Here it is done with the help of subject experts from the outside the campus and inside the campus to develop an interest in students to protect our classical biological subjects.

Outcomes:

1. To develop observation skills.
2. To develop technical skills for classical biology.
3. To develop research aptitude.
4. To explore the campus its self.

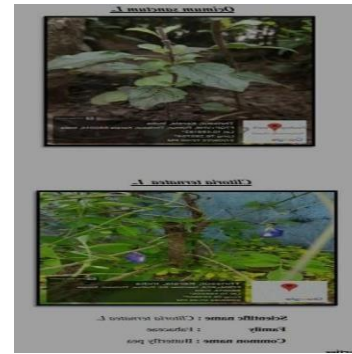


PLANT DOCUMENTATION ACTIVITY

- *Make document on five medicinal plant and its medicinal properties along with their scientific name and family by each student*

Outcomes:

1. *Gain scientific knowledge about economically important plants in their locality.*
2. *Acquire knowledge about herbal medicine.*
3. *Develop skill about precise documentation and presentation of data.*



POSTER MAKING: ENVIRONMENTAL DAY ACTIVITY - JUNE 5

Outcomes:

1. *Responsibility and public awareness*
2. *Gain awareness about Environmental Protection programs.*
3. *It provides a chance to show the literal skill of students.*



PG DEPARTMENT OF BOTANY

ADDRESSING PUBLIC ON VARIOUS TOPICS:

Outcomes:

1. *Career advancement.*
2. *Boost confidence.*
3. *Critical thinking.*
4. *Personal development.*
5. *Improve communication skills.*
6. *Make new social connections.*
7. *Personal satisfaction.*
8. *Expand your professional network.*

- ***Addressing public about vermicompost***



NAKSHATHRAVAM

- ***Students' participation in naming of plants of Nakshathravam***

Outcomes:

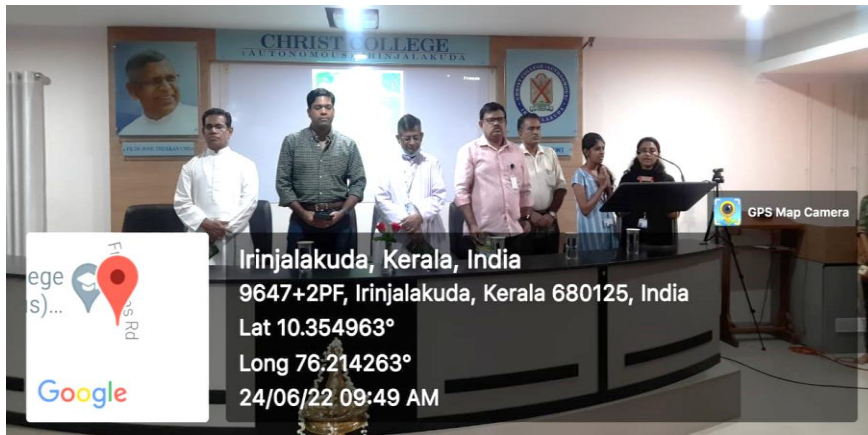
- *To familiarize the botanical name, family and medicinal importance of plants.*
- *It is very useful to know information about the star related plant to local people.*



ORGANIZING AND PARTICIPATING IN INTERNATIONAL SEMINAR AND REGIONAL TALK:

Outcomes:

1. *To bring everyone together based on their interests and build relations.*
2. *To create connections, expand skills, and explore different elements of university life while making lifelong friends.*
3. *Developing organizing skill.*
4. *Improving anchoring skill.*
5. *Encourage group activities*
6. *Encourage social commitments.*
7. *To know nature.*



Planting rare plants in campus:



FIELD TRIPS:

Field trips as student experiences outside of the classroom at interactive locations designed for educational purposes. Conducts field trips for the students for better understanding of the nature and there by enriching their knowledge in the subject. These activities will make the students to be more passionate in the field of botany. In First semester field trip is being conducted to create awareness about the diverse group of plants mentioned in the syllabus. This will help them to get a good introduction about the subject. These students are privileged with one day Algal collection trip to any of the coastal regions of Kerala.

Outcomes:

- 1. To provide firsthand experience,*
- 2. To stimulate interest and motivation in science,*
- 3. To add relevance to learning and interrelationships,*
- 4. To strengthen observation and perception skills,*
- 5. To promote personal (social) development*
- 6. Students have developed the ability to immediately apply knowledge.*
- 7. They were able to work as a team as well as to communicate the ideas effectively*

a) ALGAL COLLECTION TRIP - THIKKODI

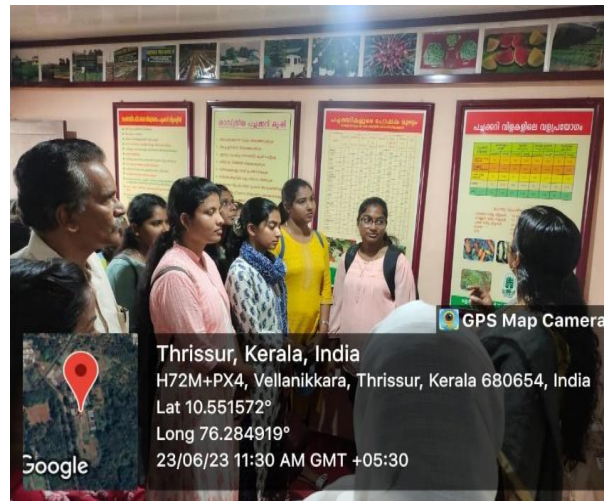


b) TAXONOMY COLLECTION TRIP - PERUMALA



c) LAB VISIT: KERALA AGRICULTURE UNIVERSITY (KAU) VELLANIKKARA, THRISSUR





a) ECOLOGICAL IMPORTANT AREA - NJARAKKAL

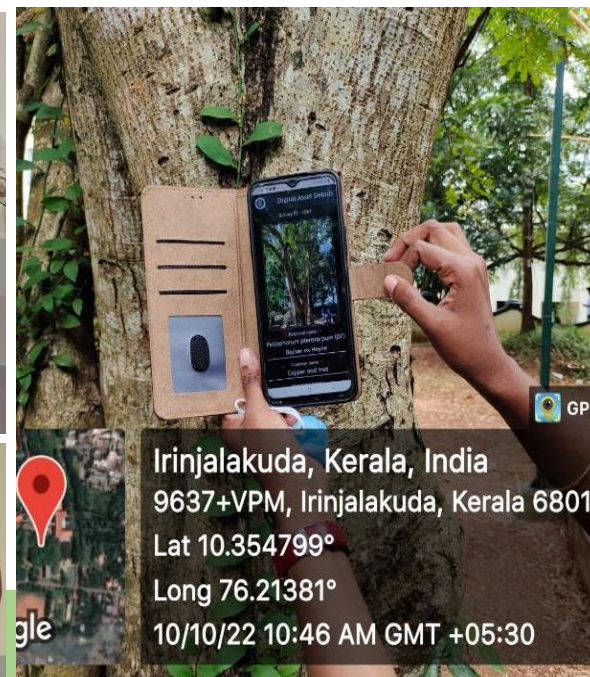
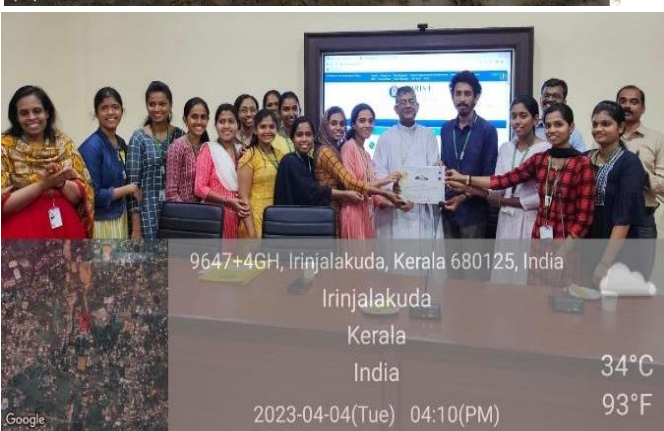
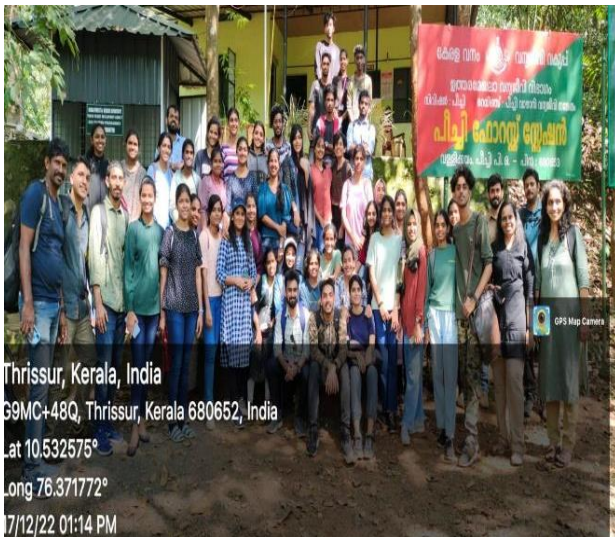


CAMP GIS- DIGITAL FLORA DOCUMENTATION

Outcomes:

Campus Flora has fast become a mechanism to provide curriculum cohesion and the students are using the App throughout the Post graduate biology curriculum.

1. *Improve Students botanical literacy.*
2. *The Campus Flora project has fostered partnerships between users and creators bringing together a community of students, teachers, researchers and volunteers.*
3. *Students have developed the ability to immediately apply knowledge.*
4. *Gain practical knowledge and insight.*



INTERNSHIP

Real confidence builder for a student

Outcomes:

1. *Explore career alternatives*
2. *Integrate theory and practice.*
3. *Assess interests and abilities in their field of study.*
4. *Develop communication, interpersonal and other critical*
5. *Build networks*



PREVIOUS QUESTION PAPER DISCUSSIONS

Outcomes:

1. *Develop knowledge about scheme of question Papers*
2. *Gain knowledge about important topics to be prepared for examination and can take mock examination for better preparation and time management.*
3. *Develop skills for answering questions based on weightage given in question papers*
Provide a revision on the topics

PEER GROUP LIST:

CHIEF MENTOR & MENTOR: SREELAKSHMI V. V. & SWEETY M. S.

<i>Sl No.</i>	<i>Name of the Mentor</i>	<i>Name of the Mentee</i>	<i>Register No.</i>
Group A			
Group A	SREELAKSHMI V. V.	AISWARYA RAMESH	CCATMBT001
		AKHILA S.	CCATMBT002
		ALBIN JOSE	CCATMBT003
		ALEENA JOSEPH	CCATMBT004
		ALIDA DAVIS	CCATMBT005
		ANAT FRANCIS	CCATMBT006
		ANEESHA PRAKASH	CCATMBT007
		ARSHAL SEBASTIAN SAIZA	CCATMBT001
Group B			
Group B	SWEETY M. S.	DIVYA P. S.	CCATMBT009
		FASEEK K.	CCATMBT010
		NAWAL P. P.	CCATMBT011
		NAZIYA K.	CCATMBT012
		RANJINI C. R.	CCATMBT013
		SANIGA MADHAVAN S.	CCATMBT014
		SNEHA C. J.	CCATMBT015
		SURYAPRABHA R.	CCATMBT016

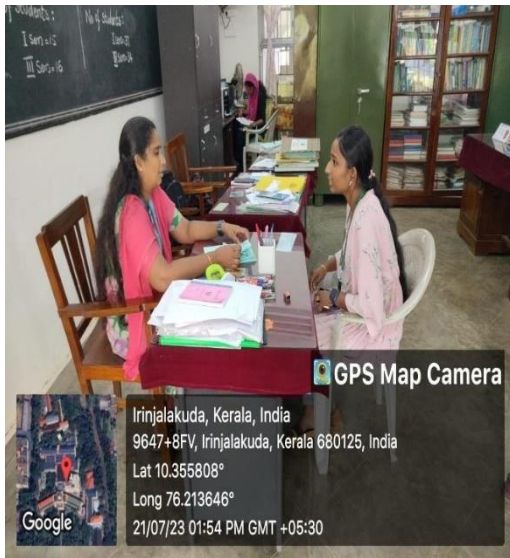
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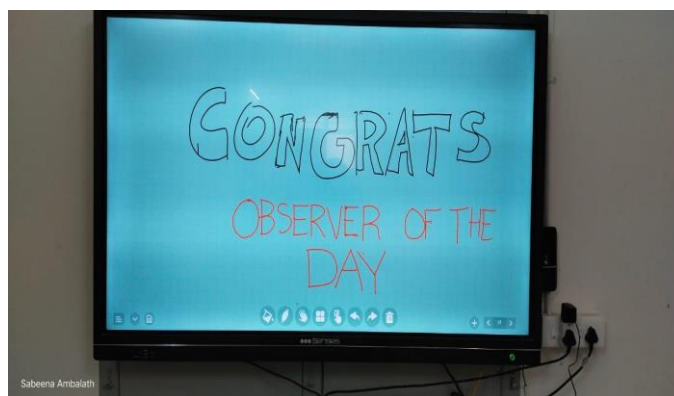


PTERIDOPHYTE FLORA OBSERVATION

Observation skills allows students to “listen” with more than just their ears and make better decisions. It also enhances their ability to interact with others and to respond in an appropriate manner. Both are keys to success at their studies and life.

Outcomes:

1. *Allows to Experience the Process of Education*
2. *More Detailed Information*
3. *Understanding*
4. *Enhances their ability to interact with others and to respond in an appropriate manner*





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CO-CURRICULAR ACTIVITIES

CLASS MAGAZINE

Magazines are an important medium of communication at educational institutions. Class magazine enables students to express themselves, showcase the talents of students and build a strong sense of community among students and faculty.

Outcomes:

1. *Develops power of writing.*
2. *Language Improvement*
3. *Develops artistic potential among peer*

Best Class Magazine Award – Science Stream



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CHIEF MENTOR & MENTOR: SWEETY M. S. & SREELAKSHMI V. V.

<i>SI No</i>	<i>Name of the mentor</i>	<i>Name of the mentee</i>	<i>Register No.</i>
Group A			
1	SWEETY M. S.	AGNUS ROSE	CCAWMBT001
		ANEENA MANUEL	CCAWMBT002
		ANGEL THOMAS	CCAWMBT003
		ATHEENA B S	CCAWMBT004

		<i>HRIDHYA KRISHNAN</i>	<i>CCAWMBT005</i>
		<i>JOSNI.C. J</i>	<i>CCAWMBT006</i>
		<i>LEEN BABU</i>	<i>CCAWMBT007</i>
		<i>MEBIN C M</i>	<i>CCAWMBT008</i>
Group B			
2	<i>SREELAKSHMI V. V.</i>	<i>MEEVAL ALPHONSA T PAULSON</i>	<i>CCAWMBT009</i>
		<i>MERIN THOMAS</i>	<i>CCAWMBT010</i>
		<i>POOJA</i>	<i>CCAWMBT011</i>
		<i>SALINI V S</i>	<i>CCAWMBT012</i>
		<i>SHAHANA SHAMSEER</i>	<i>CCAWMBT013</i>
		<i>SINTA E A</i>	<i>CCAWMBT014</i>
		<i>VISMAYA P.M</i>	<i>CCAWMBT015</i>

OUTCOMES

For improving mentor mentee relationship, personal meetings with mentee is conducted through online and offline mode. Individual strength and weakness of mentee is understanding through this meeting. For overall development they are asked to conduct different extra-curricular activities like farewell meeting, celebrations, flipbook making etc. Through these activities students get a chance to show their abilities like singing, dancing drawing, observe nature and nature photography. One student is weak in test papers and remedial coaching is given to her to improve in it.
