



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 BOTANY

The Department of Botany was started in 1956 with the introduction of Pre-university II group. From 1957, Botany was offered as a subsidiary for the B. Sc. degree course in Zoology in the college. In addition to regular educational techniques, teaching aids like PPT, Videos, Internet, preserved and fresh specimens, slides, and demonstration charts are utilized. Practical knowledge is gained by field visits and interaction with research institutions.

Final year M. Sc. Environmental Science students are being guided by the teachers of the department from 1999 onwards in various research topics like biodiversity studies on wetlands, taxonomic studies of algae and angiosperms, mangrove ecosystems, sacred groves etc. From 2015 onwards, research guidance is being given to Ph.D. students.

Rev. Fr. Thomas Achandy Endowment: For the student who secures maximum marks in the Subsidiary Botany Examination (I and II years combined – both theory and practical).

Prof. Bastian Jose Memorial Endowment: For the student who secures maximum marks in the Complementary Botany Examination (I year – Theory).

	2.3.1(B) EXPERIENTIAL LEARNING	2.3.1(C) PROBLEM SOLVING
1	Awareness programme on uprooting the invasives	Invasive plant management programme



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EXPERIENTIAL LEARNING

1. AWARENESS PROGRAMME ON UPROOTING THE INVASIVES

The state of Kerala is blessed with rich flora and fauna. This include indigenous and exotic species. These exotic species when cause ecological and economic impact in the introduced habitat are termed as invasive species and the process is called biological invasion. Among the rich floral diversity, eighty-two plants have been reported as invasive throughout the state.

Creating awareness at a grass root level is a crucial part of managing invasive alien plants. This plays a very important role in further introductions of these species. Towards this, an awareness programme was conducted to the cleaning staff of Christ College (Autonomous), Irinjalakuda by the Department of Botany in association with Biodiversity club on 23rd March 2024. They were made aware of the various invasive alien plants in the campus and the various negative impacts of these species. They were also given knowledge about the management practices which can be implemented to check the spread of the plants. The management programme was led by Dr. R Soumya, Dr. Bijoy C., and Ms Sreelakshmi V . V. the awarenss talk was given by Ms. Poornima P P, student coordinator, Biodiversity club. The programme was conducted in the forenoon session. As a part of the programme, the staff were also made aware of the various invasive plants infested areas in the campus by direct visit to those areas. They also got a on field experience about the growing nature of the plants.

Programme Objectives :

- To create awareness about the impacts of invasive alien plants
- To demonstrate the various management protocols that can be adopted



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BROCHURE



PARTICIPANTS LIST:

CHRIST COLLEGE (AUTONOMOUS)
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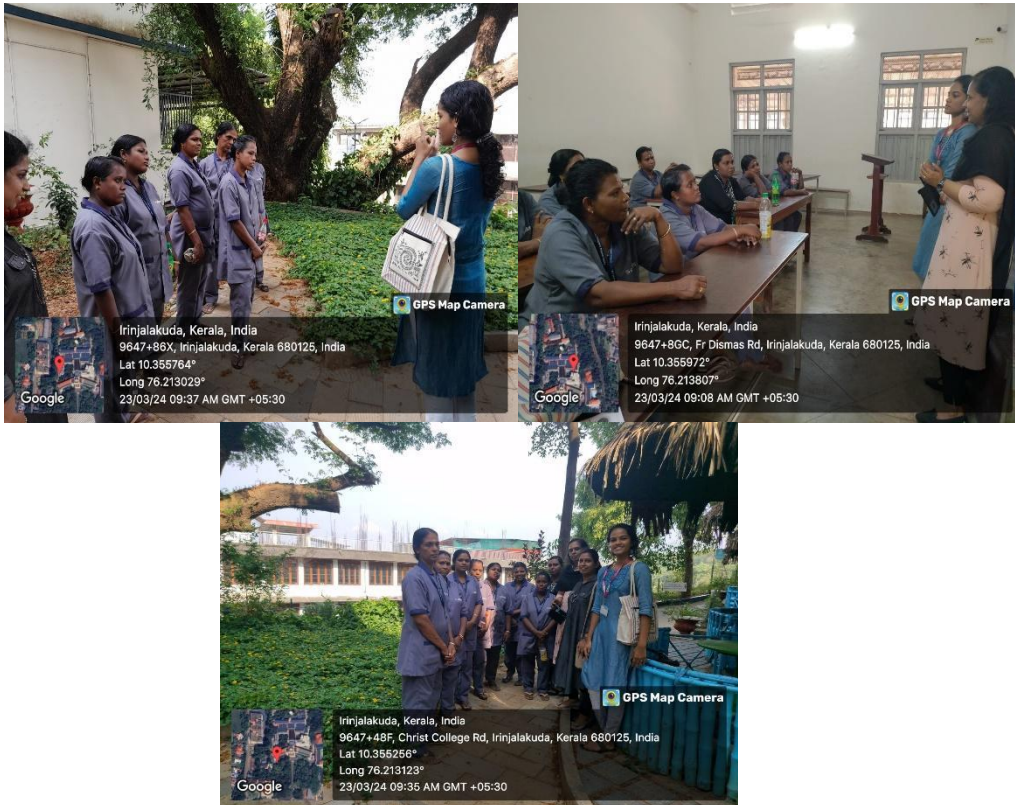
NAME OF THE EVENT: Awareness programme on uprooting the invasives
DATE: 23/03/2024

Sl NO	Name	Department	Signature
1	Salvia	House keeping staff	Salvia
2	Lishitha	House keeping staff	Lishitha
3	Ragi	House keeping staff	K S R
4	Nikitha	"	Nikitha
5	Leetha	"	
6	Rajani	"	Rajani
7	Bindhu V	"	Bindhu
8	Vijaya	"	Vijaya
9	Leetha S. Narandran		Leetha S
10	Poornima PP	BSc Zoology 1 st year	Poornima
11	Sreelakshmi V.V	Faculty, Botany	Sreelakshmi
12	Dr. R. Soumya	Faculty, Botany	R. Soumya



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PHOTOS



Programme Attained Outcome:

- The cleaning staff became mindful of the various invasive alien plants in the campus
- They became watchful about the different management programmes to be conducted to manage them



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PROBLEM-SOLVING METHODS

Invasive plant management programme

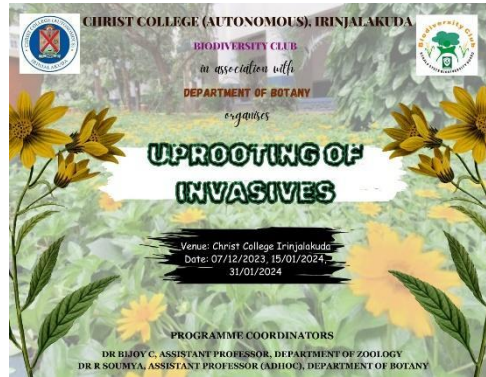
The state of Kerala is blessed with rich flora and fauna. This include indigenous and exotic species. These exotic species when cause ecological and economic impact in the introduced habitat are termed as invasive species and the process is called biological invasion. Among the rich floral diversity, eighty-two plants has been reported as invasive throughout the state.

As a part of managing the invasive alien plants of the Campus of Christ College (Autonomous), Irinjalakuda, Biodiversity club and Department of Botany organised a programme to uproot alien invasive plants in the campus for three days – (7th December 2023. 15th January 2024 and 31st January 2024). The management programme was led by Dr. R Soumya, Dr. Bijoy C., Dr. Sr. Dilla Jose and Ms Sreelakshmi V. V. The programme was conducted from 3:00 pm to 4:00pm n all the three days. As a part of the programme the students uprooted the invasive plant – *Sphagneticola trilobata* from various parts of the campus. The uprooted plants were properly decomposed to restrict further spread.

BROCHURE



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PARTICIPANTS LIST

Day 1

Day 2

Day 3

Day 4

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NAME OF THE EVENT: Invasive Plant Management Programme - Day 1
DATE: 07/12/2023

Sl. No	Roll No	Reg no	Name	Batch	Signature
1	171	CCAVS2002	Akshay K A	2021-24	[Signature]
2	171	CCAVS2003	Bhaskar R Biju	2021-24	[Signature]
3	180	CCAVS2002	Sarath K Sagar	2021-24	[Signature]
4	176	CCAVS2004	Gayathri P S	2021-24	[Signature]
5	174	CCAVS2006	Gayathri M S	2021-24	[Signature]
6	191	CCAVS2005	Srinidhi R	2021-24	[Signature]
7	174	CCAVS2004	Shruthi K	2021-24	[Signature]
8	187	CCAVS2005	Shruthi K S	2021-24	[Signature]
9	156	CCAVS2005	Adithyan S	2021-24	[Signature]
10	185	CCAVS2004	Narayan N M	2021-24	[Signature]
11	190	CCAVS2003	Apurva N	2021-24	[Signature]
12	176	CCAVS2004	Divya P S	2021-24	[Signature]
13	161	CCAVS2004	Anayika A	2021-24	[Signature]
14	167	CCAVS2004	Anjali S	2021-24	[Signature]
15	182	CCAVS2004	Mithalini P S	2021-24	[Signature]
16	155	CCAVS2004	Nithya K S	2021-24	[Signature]
17	153	CCAVS2004	Asmita A	2021-24	[Signature]
18	154	CCAVS2005	Adithyan P V	2021-24	[Signature]

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NAME OF THE EVENT: Invasive Plant Management Programme - Day 2
DATE: 15/01/2024

Sl. No	Roll No	Reg no	Name	Batch	Signature
1	173	CCAVS2003	Divya Divya	BSc Zoology	[Signature]
2	182	CCAVS2005	Alexa Jane A	BSc Zoology	[Signature]
3	195	CCAVS2009	Anurag K	BSc Zoology	[Signature]
4	194	CCAVS2008	Aradhya D	BSc Zoology	[Signature]
5	186	CCAVS2006	Adithyan C D	BSc Zoology	[Signature]
6	199	CCAVS2002	Anil John	BSc Zoology	[Signature]
7	150	CCAVS2004	Abhija C J	BSc Zoology	[Signature]
8	155	CCAVS2004	Ashna M A	BSc Zoology	[Signature]
9	151	CCAVS2004	Anaswila K	BSc Zoology	[Signature]
10	154	CCAVS2004	Anya R	BSc Zoology	[Signature]
11	153	CCAVS2004	Anya R	BSc Zoology	[Signature]
12	152	CCAVS2004	Anand K R	BSc Zoology	[Signature]
13	165	CCAVS2004	Anamika K S	BSc Zoology	[Signature]
14	164	CCAVS2004	Anvitha P	BSc Zoology	[Signature]
15	166	CCAVS2004	Aradhya D	BSc Zoology	[Signature]
16	167	CCAVS2004	Anvitha P	BSc Zoology	[Signature]
17	170	CCAVS2004	Anvitha P	BSc Zoology	[Signature]
18	161	CCAVS2004	Anvitha P	BSc Zoology	[Signature]

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DATE: 15/01/2024

Sl. No	Roll No	Reg no	Name	Batch	Signature
19	168	CCAVS2004	Ishita C J	BSc Zoology	[Signature]
20	178	CCAVS2004	V S Nithya	BSc Zoology	[Signature]
21	179	CCAVS2004	Aradhya D	BSc Zoology	[Signature]
22	160	CCAVS2003	Chowdhury S	BSc Zoology	[Signature]
23	193	CCAVS2008	Vijayalakshmi P	BSc Zoology	[Signature]
24	145	CCAVS2004	Saravanan V S	BSc Zoology	[Signature]
25	162	CCAVS2003	Aradhya D	BSc Zoology	[Signature]
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NAME OF THE EVENT: Invasive Plant Management Programme - Day 3
DATE: 31/01/2024

Sl. No	Roll No	Reg no	Name	Batch	Signature
1	171	CCAVS2003	Shruthi K	BSc Zoology	[Signature]
2	188	CCAVS2003	T Shyam Krishna	BSc Zoology	[Signature]
3	172	CCAVS2004	Jayna Fatima P K	BSc Zoology	[Signature]
4	151	CCAVS2004	Abhilash M	BSc Zoology	[Signature]
5	192	CCAVS2004	Varada K D	BSc Zoology	[Signature]
6	175	CCAVS2004	Malathi P	BSc Zoology	[Signature]
7	180	CCAVS2004	Poojitha P P	BSc Zoology	[Signature]
8	156	CCAVS2004	Akshay P D	BSc Zoology	[Signature]
9	162	CCAVS2004	Anjali K	BSc Zoology	[Signature]
10	184	CCAVS2004	Rishika C U	BSc Zoology	[Signature]
11	159	CCAVS2004	Alak Krishna P S	BSc Zoology	[Signature]
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17					
18					



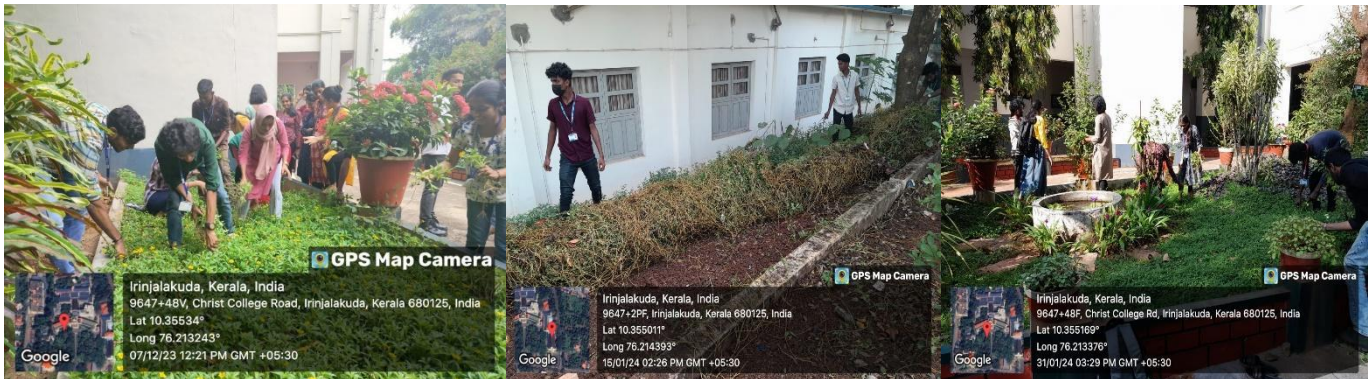
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PHOTOS

Day 1

Day 2

Day 3



Programme Attained Outcome:

- Students became aware of the invasive alien plants in the campus
- They became informed about the management methods of *Sphagneticola trilobata*
- They also got enlightened about the various negative impacts of the species



Jolly Andrews

PRINCIPAL

Fr. Dr. Jolly Andrews
Associate Professor -
In-Charge of Principal
Christ College (Autonomous)
Irinjalakuda