

**Educational trip to Palampur, McLeod Ganj and Amritsar (12th-18th
February 2020)**

Teacher's Activity Report 2019-2020

FACULTY: Science **DEPARTMENT/ COMMITTEE:** Botany **IQAC ACTIVITY No:** SVC/2019/20/BOT/KK-1

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|---|--|-----------------------------------|-----------------------------------|
| NAME OF THE ACTIVITY: Study Trip to Palampur, McLeod Ganj and Amritsar | | | |
| DATE | FACULTY | DEPARTMENT/ COMMITTEE | COORDINATOR NAME |
| 12 th - 18 th April 2020 | Science | Department of Botany | Dr. Kalyani Krishna |
| TIME | VENUE | NUMBER OF PARTICIPANTS | NATURE: Outdoor/Indoor |
| NA | Study Trip to Palampur, McLeod Ganj, Himachal Pradesh and Amritsar, Punjab | 22 | Outdoor |
| SUPPORT/ ASSISTANCE: | NA (No funding) | | |

BRIEF INFORMATION ABOUT THE ACTIVITY (CRITERION NO. – II & V):

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|----------------------------------|--|
| TOPIC/SUBJECT OF THE ACTIVITY | Study Trip to Palampur, McLeod Ganj and Amritsar |
| OBJECTIVES | To learn various research techniques used in various institutes of high repute, study the flora of the terrain, and understand the medicinal flora along with their management. |
| METHODOLOGY | Students were shown various techniques and equipments used in research, conservation and management of wild flora and the medicinal plants. They were acquainted with various species of archegoniates and fungi. |
| OUTCOMES | Students received a firsthand experience of understanding the various types of techniques used in research and understood various species and their co-dependance. They also saw many related species and gained better insight of their life cycle. The students were able to identify many plants and associate theory with the practical. |

PROOFS & DOCUMENTS ATTACHED (Tick mark the proofs attached):

| | | | | |
|--------------------------|--|------------------------|-----------------|---------------|
| Notice & Letters | Student list of participation ‘ | Activity report | Photos ‘ | Feedback form |
| Feedback analysis | News clip with details | Certificate | Any other | |

| | | |
|----------------------|-------------------|------------|
| IQAC Document No: | Criterion No: III | Metric No: |
| Departmental file no | IQAC file No; | |

| | | |
|-----------------------------|---|-------------------------------------|
| NAME OF TEACHER & SIGNATURE | NAME OF HEAD/ COMMITTEE IN CHARGE & SIGNATURE | IQAC COORDINATOR (SEAL & SIGNATURE) |
| Dr. Kalyani Krishna | Dr. Kalyani Krishna | |

For Reference

| | | | |
|---------------|--|---------------|---------------------------------------|
| Criterion I | Curricular Aspects (planning & Implementation) | Criterion V | Student Support & Progression |
| Criterion II | Teaching Learning & Evaluation | Criterion VI | Governance |
| Criterion III | Research, Innovations & Extension | Criterion VII | Institutional Values & Best Practices |
| Criterion IV | Learning Resources and Infrastructure | | |

Proofs

Trip Report

Educational trip to **Palampur, McLeod Ganj and Amritsar** (12th-18th February, 2020)

under the course 'Archegoniate' & 'Medicinal Botany' for BSc (H) Botany Semester II, IV, VI

The Department of Botany, Sri Venkateswara College organized a seven day educational trip to Palampur, McLeod Ganj and Amritsar in February 2020. Twenty-two students in total from the entire department participated in the trip which commenced on 12th February 2020. The students were guided and accompanied by Dr. Kalyani Krishna from Department of Botany, Sri Venkateswara College.



The focus was to enlighten the students about the natural vegetation of the mountains and to study the archegoniates that are commonly available in the Himalayan ranges. They visited institutes of repute, where the students learned a lot about the latest endeavors and research in the field of medicinal botany, tissue culture and glimpses of pathogenesis on animals.

The students got a firsthand experience of the Angiosperm plant collection, herbarium making during travel and growth of many archegoniates in the natural environment. The

rocks were mostly covered with bryophytes with scattered clusters of Pteridophytes. The region had a cosmopolitan spread of *Pinus*, *Cedrus* with transition to *Rhododendrons*.

In Palampur, students visited CSIR – IHBT (Institute of Himalayan Bioresource Technology) where they were shown Tissue culture facilities, Genome research facilities, and research facility for animal pathogenesis and pharmacology for neurological disorders, rat breeding houses, Herbariums, tea gardens and tea processing unit.

The students learned how the research scholars and associates culture medicinal and aromatic plants to conserve the genome and try to replant the lost species in the environment in an attempt to restore the lost glory of the nature and immediate habitat. The herbarium being an important part for studying vegetation of an area, the students were shown their records of the flora of western Himalayas, along with a talk on how to effectively make herbarium sheets.

The tea garden and the processing unit showed how *Camellia sinensis* is grown, processed and packed. The machines and other equipment used there helped the students to match the theory they were taught and practical execution.

During their stay in McLeod Ganj, the students undertook a trek to Triund which helped them to observe in close proximity, the transition of vegetation with the increase of altitude, study how the organisms adapt according to the micro climatic variations and role of all species in a natural ecosystem. The trek not only taught them how the flora changes according to the 'lapse rate', but also important survivorship skills mastered by local people to live in such difficult terrains.

Visits to the local religious places and homes, provided the students with an insight of the hard life of the inhabitants. They found the local deities and their stories interesting and inspiring. They also visited the local sights like Bhagsu waterfalls, where they encountered algae, aquatic Pteridophytes and many succulents growing on the rocks.

A visit to Dalai Lama's monastery helped the students to get an insight into Buddhism and they learned about preachings of Lord Buddha. The calming and serene effect of the temple was mesmerizing and healing to all. It was followed by a visit to the local market, which was a perfect opportunity for them to learn about the produce of local people and take a dip in their culture.

The trip was topped by a visit to Amritsar where the students learned about the rich culture and history of the place. Unfortunately, Jalianwala Bagh was closed for maintenance purposes, but the students worshipped in the Golden Temple, enjoyed langar, and shopping in the local market. Ending the trip on a glorious note, they visited Wagah border where they witnessed the retreat ceremony.

The staff and students returned to Delhi on 18th February 2020, having experienced the interface of nature and mankind and their peaceful coexistence, something which is missing in the metropolitan cities now a days.





College Name: Sri Venkateswara College

ACTIVITY: Study Trip to Palampur, Mc

Leod Ganj and Amritsar

**Date: 12th-18th February 2020
Ganj and Amritsar**

Time: NA

**Venue: Palampur, McLeod
Criterion No: I/ II/ III/ V/ VII**

| Sr. No. | Name of the Participants | Affiliation |
|---------|--------------------------|---|
| 1. | Milinda | B.Sc. (H) Botany Semester IV |
| 2. | Prakriti | B.Sc. (H) Botany Semester II |
| 3. | Simran | B.Sc. (H) Botany Semester II |
| 4. | Stanzin | B.Sc. (H) Botany Semester II |
| 5. | Naman | B.Sc. (H) Botany Semester IV |
| 6. | Ashutosh | B.Sc. (H) Botany Semester IV |
| 7. | Nikita | B.Sc. (H) Botany Semester IV |
| 8. | Sonali | B.Sc. (H) Botany Semester IV |
| 9. | Manisha | B.Sc. (H) Botany Semester IV |
| 10. | Shivam | B.Sc. (H) Botany Semester IV |
| 11. | Bhoomika | B.Sc. (H) Botany Semester IV |
| 12. | Renuka | B.Sc. (H) Botany Semester VI |
| 13. | Umang | B.Sc. (H) Botany Semester II |
| 14. | Chayanika | B.Sc. (H) Botany Semester IV |
| 15. | Prachi | B.Sc. (H) Botany Semester IV |
| 16. | Himanshu | B.Sc. (H) Botany Semester VI |
| 17. | Dipanshu | B.Sc. (H) Botany Semester VI |
| 18. | Nikhil | B.Sc. (H) Botany Semester IV |
| 19. | Suryakant | B.Sc. (H) Botany Semester IV |
| 20. | Apoorv | B.Sc. (H) Botany Semester VI |
| 21. | Danish | B.Sc. (H) Botany Semester VI |
| 22. | Aanchal | B.Sc. (H) Botany Semester IV |
| 23. | Dr. Kalyani Krishna | Associate Professor, Department of Botany |
| 18. | Mr. Srinivasan | Lab Assistant, Department of Botany |

Name of the Teacher and signature

Head of the Department



SRI VENKATESWARA COLLEGE
(University of Delhi)

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Principal
Sri Venkateswara College

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Department of Biochemistry

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Dr. Shruti Mathur
Department of Commerce

Dr. Padma Priyadarshini
Department of Sociology

Dr. Nimisha Sinha
Department of Biochemistry

Shri D. Venkat Ramana
A.O (I/C)

This is to certify that the Activity report (Teacher/Department /Society/Association) has been submitted for documentation to IQAC, Sri Venkateswara College, University of Delhi.

N. Latha

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