



VIDYANAGAR COLLEGE

(ACCREDITED BY NAAC AND GRADED 'B+')

Vidyanagar, P.O. - Charashyamdias, South 24-Parganas

Pin - 743 503, Phone - (033) 2495 9218, West Bengal, INDIA

E-mail : vidya.college.56@gmail.com, Website :www.vidyanagarcollege.net

Ref. No. :

Date :

Department of Zoology

Report of a faculty exchange programme against signed MoU between Vidyanagar College and City College under University of Calcutta

Date: - 24.05.2023

Topic: - "One day workshop on Chronobiology"

Resource Person: - Dr. Debasish Karmakar.

The workshop was held at 11.00 a.m. in the Department of Zoology of Vidyanagar College. The total number of registered participants were 16. Principal, bursar and IQAC co-ordinator of Vidyanagar College presided over the workshop.

Speaker started discussion on chronobiology. The outcomes of a one-day workshop on chronobiology, the study of biological rhythms and their synchronization with environmental cues, might include:

- **Understanding Biological Rhythms:** Participants would gain a foundational understanding of biological rhythms, including circadian rhythms (daily cycles), lunar rhythms, and seasonal rhythms, and their significance in various organisms.
- **Insight into Human Health:** The workshop would explore the implications of chronobiology for human health, including the role of circadian rhythms in sleep-wake cycles, metabolism, hormone regulation, and overall well-being.
- **Application in Research:** Attendees would learn about research methodologies and tools used in chronobiology studies, including techniques for monitoring biological rhythms, analyzing data, and interpreting results.



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- **Cross-disciplinary Perspectives:** The workshop would bring together researchers from diverse fields such as biology, neuroscience, medicine, ecology, and psychology, fostering cross-disciplinary discussions and collaborations.
- **Practical Implications:** Participants would discuss practical applications of chronobiological research, including strategies for optimizing work schedules, designing chronotherapy treatments for diseases, and improving agricultural practices based on circadian rhythms of plants and animals.
- **Future Directions:** Through presentations and discussions, the workshop would stimulate ideas for future research directions in chronobiology, including emerging areas such as the impact of artificial light at night on biological rhythms and the role of chronobiology in personalized medicine.
- **Networking and Collaboration:** The workshop would provide opportunities for networking and collaboration among researchers, educators, clinicians, and industry professionals interested in chronobiology, fostering connections that may lead to joint research projects and knowledge exchange.

Overall, the one-day workshop would serve to deepen participants' understanding of chronobiology, explore its applications across different fields, and inspire future research and collaborations in this interdisciplinary field.



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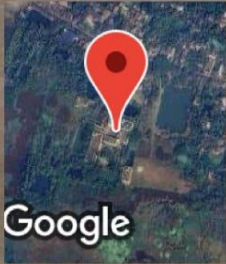
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GPS Map Camera

Chanddandaha, West Bengal, India

Vidyanagar, Nibaran Dutta Rd, Barkalikapur,

Chanddandaha, West Bengal 743503, India

Lat 22.385775°

Long 88.23696°

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Department of Zoology

Vidyanagar College



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Department of Zoology

Report of a workshop on the study of foraging behaviour of honey bee and bee culture techniques held in Vidyanagar College, under University of Calcutta.

Date: - 06.05.2023

Topic: - “Workshop on the study of foraging behaviour of honey bee and bee culture techniques”

Resource Persons: - Dr. Supriti Sarkar, Dr. Arkadeep Mitra, Dr. Debasish Karmakar, Mr. Santunu Mondal, Mr. Amit Kumar Gayen, Dr. Sudipta Patra, and Dr. Surja Prakash Agarwal.

The workshop was held at 11.00 a.m. in the Vidyanagar College. The total number of registered participants were 35, principal, bursar and IQAC co-ordinator of Vidyanagar College presided over the workshop.

Speakers started discussion on the study of foraging behaviour of honey bee and bee culture techniques. The outcomes of a workshop on the study of foraging behavior of honey bees and bee culture techniques would likely include:

- **Enhanced Understanding:** Participants would gain a deeper understanding of the foraging behavior of honey bees, including how they search for and collect resources such as nectar and pollen.
- **Insights into Bee Culture Techniques:** Attendees would learn about various techniques used in beekeeping, including hive management, pest control, and honey extraction methods.



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- **Exchange of Knowledge:** The workshop would facilitate the exchange of knowledge and experiences among participants, including beekeepers, researchers, and enthusiasts, fostering collaboration and innovation in the field.
- **Identification of Best Practices:** Through discussions and presentations, best practices for studying honey bee foraging behavior and implementing effective bee culture techniques would be identified and shared.
- **Practical Applications:** Attendees would gain practical insights into how to apply the knowledge gained from studying honey bee behavior to improve beekeeping practices, promote pollinator health, and enhance honey production.
- **Research Directions:** The workshop may also lead to the identification of new research directions and areas of inquiry within the field of apiculture and honey bee ecology.

Overall, the workshop would serve as a platform for advancing scientific understanding, sharing practical knowledge, and promoting sustainable beekeeping practices.



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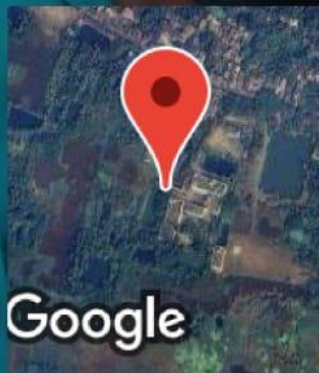
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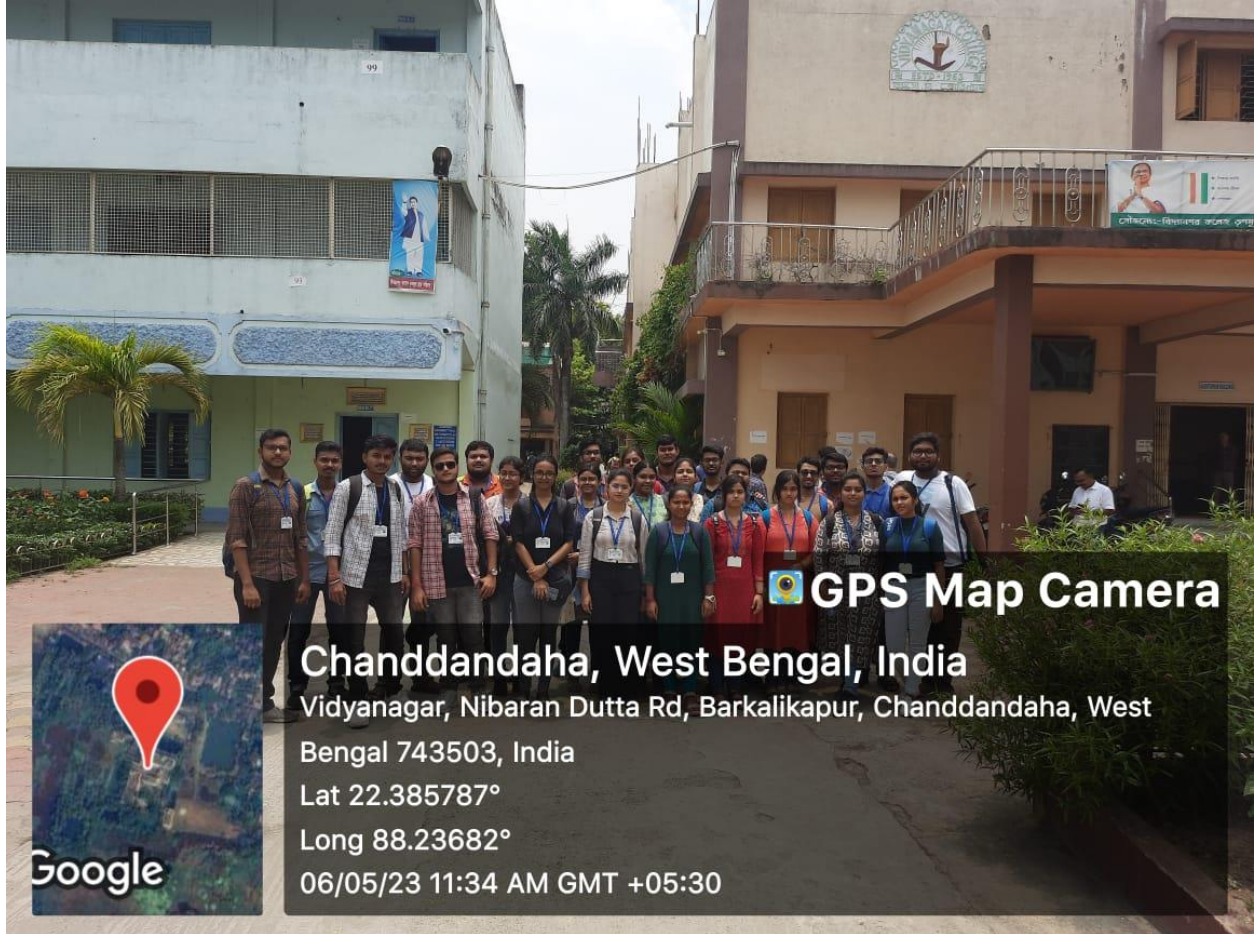
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