

School Seminar Series No .07

Practical Workshop on Teaching Methodology for Nature and Biodiversity

School: J/ Jaffna Hindu College, (Science Teachers)

A Practical Workshop on Teaching Methodology for Nature and Biodiversity was organized by the Jaffna Entomological Society (JES) at the request of the Principal, Mr. R. Senthilmaran, under their proposed *Teachers' Professional Development Programme*. The workshop aimed to enhance teachers' competence in delivering environmental and biodiversity concepts through effective, hands-on, and field-based teaching approaches.

- To strengthen teachers' understanding of key concepts related to Nature and Biodiversity.
- To introduce innovative, learner-centered, and practical teaching methodologies.
- To encourage the use of field-oriented and experiential learning techniques in science education.
- To promote environmental awareness and appreciation of biodiversity among students through effective classroom practices.

A total of thirteen Science teachers of Jaffna Hindu College, who teach Grades 6–10 participated in the workshop. The participants actively engaged in discussions, demonstrations, and group activities in the field - designed to link theory with real-world experiences.

The workshop was conducted on 5th November 2025, from 9:00 a.m. to 1:00 p.m., at the Department of Zoology.

The session was inaugurated by the Senior Professor S. Noble Surendran, President Elect/JES, who emphasized the importance of field-oriented teaching methods in fostering curiosity, critical thinking, and a deeper connection with nature among students.

The programme was designed by Professor (Mrs.) R. Gnaneswaran, as

- Interactive sessions on innovative teaching tools and classroom strategies.
- Practical demonstrations on biodiversity observation and data collection techniques.
- organizing model field session to get outdoor learning experiences.

The following JES members were contributing as resource persons during laboratory and field sessions . Dr. S. Arthiyan , Ms. Mathula M.,Ms. Lakshitha, Ms. Vasuki K. Ms .Sopna M. and Ms Jegapratha

The participants reported that the workshop enhanced their understanding of practical teaching methodologies and provided valuable insights into engaging students more effectively in environmental studies. They expressed confidence in applying the newly learned techniques in their classrooms to make science learning more dynamic and nature-connected.

The workshop successfully achieved its objectives by equipping teachers with practical skills and creative methods for teaching Nature and Biodiversity. The initiative by the Jaffna Entomological Society (JES) was highly appreciated, as it contributed significantly to the professional development of teachers and the promotion of environmental education at the school level.



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Professor (Mrs) R.Gnaneswaran
President/JES