



A.B.N & P.R.R COLLEGE OF SCIENCE (Estd: 1999)

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Educational Field Trip to YSR Horticulture University

Organized by: DEPARTMENT OF LIFE SCIENCE and ECO CLUB

Date: 30-12-2025

Venue: YSR HORTICUTURE UNIVERSITY, VENKATARAMANNAGUDEM.

The Department of Life Sciences and Eco club organized an educational field trip to the Horticulture University with the objective of providing students with practical exposure to modern horticultural practices, plant biotechnology, nursery management, and protected cultivation techniques. The visit was conducted as part of the experiential learning programme to bridge the gap between classroom teaching and field applications.

The educational field trip significantly enhanced student's practical knowledge and complemented their theoretical understanding. It encouraged scientific thinking, improved awareness of research and innovation in horticulture, and motivated students to explore higher education, research, and entrepreneurial opportunities in agriculture and horticulture. Such exposure also strengthened their understanding of environmentally sustainable farming practices.

The first session focused on the **Mushroom Cultivation Unit**, where students observed the complete process of commercial mushroom production, including substrate preparation, sterilization, spawning, incubation, crop management, harvesting, and marketing. The experts explained the scope of mushroom cultivation as a profitable agri-based enterprise and discussed its nutritional and economic importance.

The students subsequently visited the **Entomology Laboratory**, where they examined insect collections, preserved specimens, insect identification techniques, and methods used for pest surveillance. Faculty members demonstrated the principles of Integrated Pest Management (IPM), biological control agents, and the importance of beneficial insects in sustainable agriculture.

The final session was conducted at the **Organic Manure Preparation Unit**, where students learned the scientific methods of preparing compost and vermicompost from biodegradable agricultural wastes. The importance of organic manure in improving soil fertility, maintaining soil health, and promoting environmentally sustainable farming practices was demonstrated through practical examples.

