

# ANNUAL REPORT



## Department of Zoology

KKTM Government College, Pullut



**Academic Year 2025 – 2026**

*“Exploring Life, Advancing Science”*

*Department of Zoology*

**Annual Report of the Department of Zoology  
KKTm Government College, Pullut  
Academic Year 2025–2026**

The Department of Zoology, KKTm Government College, Pullut, continued its tradition of academic excellence, environmental awareness, and community engagement during the academic year 2025–2026. The department organized and participated in several academic programmes, extension activities, awareness campaigns, and student-centred initiatives that contributed significantly to the intellectual and social development of students. These programmes were designed to strengthen theoretical knowledge, encourage scientific curiosity, promote environmental responsibility, and enhance the practical exposure of students.

The department also maintained strong collaborations with clubs such as Bhoomitrasena, Nature Club, NSS, and other academic units of the college. Faculty members actively contributed to organizing outreach programmes and academic discussions that connected classroom learning with real-world issues. The following report presents the activities of the department in chronological order.

**World Environment Day Celebration**

**Date: 5 June 2025**

**Venue: KKTm Government College, Pullut**

The Department of Zoology actively participated in the observance of World Environment Day on 5 June 2025 at KKTm Government College, Pullut. The programme was jointly organized by the Science Forum, Bhoomitrasena, Nature Club, NSS, Department of Zoology, and IQAC. The event aimed to create awareness about the pressing environmental challenges facing the planet and to encourage students to adopt sustainable practices in their daily lives.

The programme commenced at 11:00 AM in the Audio Visual Room of the college with a warm welcome delivered by Dr. Soumya K. C., Bhoomitrasena Coordinator and Assistant Professor in the Department of Zoology. The formal inauguration was carried out by the Principal of the college, Prof.

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(Dr.) Bindu Sharmila T. K., who addressed the gathering and emphasized the urgent need to address environmental degradation. In her speech, she highlighted the increasing problem of plastic pollution and stressed the responsibility of educational institutions in promoting environmental awareness.

The event included a felicitation by Dr. Lovely George, IQAC Coordinator and Head of the Department of Physics. The highlight of the programme was an informative talk by Smt. Raga R., Assistant Professor of Botany and Nature Club Coordinator. Her presentation focused on the environmental and health impacts of microplastics, explaining how plastic waste enters ecosystems and ultimately affects human health and biodiversity.

Students from different departments actively participated in the session and engaged in discussions regarding environmental conservation and waste management. The programme concluded with a vote of thanks delivered by Dr. Krishnakumar K. A., NSS Programme Officer and Assistant Professor of Botany. The event successfully created awareness about the need for collective action to protect the environment and inspired students to adopt eco-friendly habits.

### **Extension Activity: Environment Awareness Programme**

**Date: 5 June 2025**

**Venue: Soccorso Convent Girls Higher Secondary School, Kottakkal, Mala**

As part of its commitment to community engagement and extension activities, the Department of Zoology organized an outreach programme at Soccorso Convent Girls Higher Secondary School, Kottakkal, Mala. The programme was conducted in connection with World Environment Day and aimed to educate school students about environmental conservation and sustainable living.

The programme was inaugurated by Prof. Dr. Shaji E. M., Head of the Department of Zoology, who delivered an inspiring inaugural address. In his speech, he highlighted the importance of protecting natural ecosystems and reducing plastic pollution. He emphasized that young students play a crucial role in shaping a sustainable future and encouraged them to adopt environmentally responsible behaviour.

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The programme involved the participation of the entire student population of the school, making it a large-scale awareness initiative. Several interactive and educational activities were organized to engage students and enhance their understanding of environmental issues.

These activities included a fruits and vegetables exhibition, seedling collection and sharing, seed ball making, poster and placard preparation, and an environment-themed quiz. Each activity was designed to provide practical knowledge about biodiversity conservation, sustainable agriculture, and waste reduction.

Through these initiatives, students gained valuable insights into the importance of environmental stewardship. The programme successfully strengthened the relationship between higher education institutions and local schools while fostering environmental awareness among young learners.

### **Extension Activity: Environment Awareness Programme**

**Date: 13 June 2025**

**Venue: Labour LP School, Chappara**

The Department of Zoology, in collaboration with the Bhoomitrasena Club, organized an Environment Awareness Programme at Labour LP School, Chappara. The objective of the programme was to educate young students about the environmental challenges associated with plastic pollution and to encourage responsible waste management practices.

The programme began with an inaugural address by Prof. Dr. Shaji E. M., Head of the Department of Zoology. He emphasized the importance of environmental education at an early stage and highlighted the need for collective efforts to address environmental challenges.

The main session titled “End Plastic Pollution” was led by Ms. Soumya K. C., coordinator of the Bhoomitrasena Club, along with student members of the club. The session explained the advantages and disadvantages of plastic use and its harmful effects on ecosystems, wildlife, and human health. Students were also introduced to environmentally friendly alternatives to plastic products.

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An interactive quiz competition was conducted as part of the programme to test the students' knowledge about environmental issues and plastic pollution. The quiz generated enthusiasm among participants and encouraged them to think critically about environmental protection.

The programme concluded with prize distribution for the winners of the quiz competition. The school authorities expressed appreciation for the initiative and acknowledged the efforts of the Department of Zoology in promoting environmental awareness among school students.

### **Environment Awareness Programme at Govt. LP School, Pullut**

**Date: 18 June 2025**

The Environment Awareness Programme was successfully organized by the Department of Zoology in collaboration with the Bhoomitra club at Govt. LP School, Pullut. The event aimed to raise awareness about the growing concerns of plastic pollution and the importance of responsible waste disposal among the students and staff of the school.

The programme commenced with an inauguration by Smt. Shefi Ancelin Mendez, Headmistress, GLPS Pullut. In her opening speech, she emphasized the significance of the initiative and highlighted the need for collective efforts to address environmental challenges, particularly the impact of plastics on the ecosystem.

The main session titled "End Plastic Pollution" was led by Ms. Soumya K.C., coordinator of Bhoomitrasena Club, and student members of Bhoomitrasena Club. They elaborated on the pros and cons of plastic usage and its adverse effects on the environment, wildlife, and human health. They also discussed sustainable alternatives to plastic and encouraged the students to reduce their plastic consumption. Prizes were distributed to the winners.

Following the informative talk, a quiz on plastic pollution was conducted to test the students' understanding and knowledge about the topic. The quiz served as an interactive and engaging way to reinforce the key points discussed during the talk and sparked

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enthusiasm among the participants. Dr. Muneer M, Member of Bhoomitrasena Club and Shri. Santhosh, faculty member of Govt. LP School Pullut facilitated the function.

Overall, the programme was well-received by the students and staff of the Government LP School, Pullut. It successfully instilled a sense of responsibility towards the environment and promoted eco-friendly practices among the attendees.

### **Anti-Drug Day Awareness Programme**

**Date: 30 June 2025**

**Venue: KKTU Government College, Pullut**

In observance of the International Day Against Drug Abuse and Illicit Trafficking, the institution organized an Anti-Drug Day Awareness Programme on 30 June 2025. The programme aimed to educate students about the harmful effects of substance abuse and to promote awareness of government initiatives aimed at combating drug addiction.

The awareness programme included an online quiz competition and a poster-making competition. The quiz competition tested participants' knowledge about the biological and psychological aspects of addiction as well as the legal frameworks associated with drug abuse.

Students actively participated in the competition and demonstrated a keen interest in learning about the scientific and social implications of drug addiction. The poster-making competition provided an opportunity for students to creatively express their views on the theme "Say No to Drugs."

The programme also promoted the Kerala Government's Vimukthi Mission and the Yodhavu initiative, which aim to combat drug abuse through awareness and community participation. The event successfully encouraged students to become responsible citizens and advocates for a drug-free society.

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### **Concept Discussion: Nucleic Acid and Structure of DNA**

**Date: 23 July 2025**

**Venue: Department of Zoology, KKTU Government College, Pullut**

The Department of Zoology organized an academic discussion titled “Concept Discussion: Nucleic Acid and Structure of DNA” to enhance students’ understanding of molecular biology and genetics.

The session was led by Dr. Finosh G. T., Assistant Professor of Translational Medicine at Western University, California. The programme focused on providing a detailed explanation of nucleic acids and the molecular structure of DNA.

The speaker began the session with a discussion on nucleic acids as polymers of nucleotides and explained their role in genetic information storage and transmission. He elaborated on the structural components of nucleotides, including nitrogenous bases, pentose sugars, and phosphate groups.

The discussion also covered the classification of nitrogenous bases into purines and pyrimidines and explained their significance in DNA structure. Dr. Finosh further described the double-helical model of DNA proposed by Watson and Crick, highlighting the antiparallel arrangement of DNA strands and the concept of complementary base pairing.

Students gained a deeper understanding of molecular biology concepts and their relevance to modern biological research and medicine. The interactive session encouraged students to explore advanced topics in genetics and biotechnology.

### **Field Visit to the Central Silk Board, Palakkad**

**13 August 2025**

A group of twenty II B.Sc. Zoology students and 22 II B. Sc. Students from KKTU Government College, Pullut, accompanied by Dr. Soumya K.C. and Dr. Prasad N.K., Assistant Professors of the Department of Zoology, visited the Central Silk Board, Palakkad. The sessions were handled by Dr. Jessy Daniel (Scientist D), Mr. Johny P.C. (Technical Assistant, R&S), and Mrs. Anitha C. (Senior

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Technical Assistant). They provided detailed insights into mulberry cultivation, silkworm rearing, silk varieties, and seed preparation techniques. Students also observed practical aspects of sericulture and silk identification methods. The visit effectively bridged theory with practice, enhancing understanding of applied zoology and inspiring interest in sericulture.

### **AIDS day Observance Programme**

#### **01 December 2025**

Prof. (Dr.) Shaji E. M, who served as the resource person in the Programme organised by NSS units of the college in connection with the observance of World AIDS Day on 01.12.2025. He presented an insightful session on the topic *“Overcoming disruption, transforming the AIDS response.”* In his talk, he elaborated on the modes of transmission, recent developments in treatment, and effective preventive measures. He also emphasized the importance of early diagnosis, awareness, and responsible behaviour in preventing the spread of the disease.

The session was highly interactive, with students actively engaging in discussions and clarifying their doubts. Prof. Dr. Shaji’s use of real-life examples and practical insights made the talk both informative and impactful.

The programme successfully fulfilled its objective of sensitizing students and encouraging them to spread awareness about HIV/AIDS in society.

### **Zoology Association Inauguration**

**Date: 18 December 2025**

**Venue: Department of Zoology, KKTU Government College, Pullut**

The Zoology Association of the department was formally inaugurated on 18 December 2025. The programme was organized to promote academic interaction, encourage student participation in scientific discussions, and strengthen the academic culture within the department.

The programme began with a prayer that created a respectful and reflective atmosphere. The welcome address was delivered by Adwaith Sreekumar, Secretary of the Zoology Association, who

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introduced the objectives of the association and emphasized its role in promoting scientific learning among students.

The presidential address was delivered by Prof. Dr. Shaji E. M., Head of the Department of Zoology. In his speech, he encouraged students to actively participate in departmental activities and develop a strong interest in biological sciences.

The formal inauguration of the association was performed by Dr. Bijoy C., Assistant Professor and Research Guide from Christ College, Irinjalakuda. As part of the programme, he delivered a presentation titled “The Fascinating World of Insects,” which provided insights into the diversity, ecological roles, and evolutionary significance of insects.

Dr. Prasad N. K., Assistant Professor in the Department of Zoology, offered felicitations and highlighted the importance of academic forums in shaping students’ intellectual growth.

The programme concluded with a vote of thanks delivered by Snigdha Vinod, a second-year Zoology student. The event marked the beginning of a series of academic and extracurricular activities organized by the Zoology Association.

### **Onam and Christmas Celebrations**

**Date: 27.08.2025 and 22.12.2025**

The Department of Zoology, KKTU Government College, Pullut, celebrated Onam on 27.08.2025 and Christmas on 22.12.2025 with active participation of faculty, non-teaching staff, and students. The Onam celebration featured traditional attire, floral decorations, and cultural activities that reflected Kerala’s rich heritage. The Christmas celebrations were marked by festive decorations, cake cutting, and joyful gatherings. Faculty members played a key role in organizing and coordinating both events, fostering unity and cultural harmony. These celebrations strengthened interpersonal relationships and created a vibrant and inclusive atmosphere within the department.

### **Study Tour to Goa and Dandeli**

**Date: 13–17 January 2026**

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The Department of Zoology organized an educational study tour to Goa and Dandeli from 13 January to 17 January 2026. The study tour was designed to provide students with practical exposure to biodiversity, wildlife conservation, and ecological systems.

The tour included visits to several important ecological and wildlife locations. Students had the opportunity to observe diverse flora and fauna in their natural habitats and to learn about conservation strategies employed in protected areas.

In Goa, students explored coastal ecosystems, including beaches and mangrove habitats. These ecosystems provided valuable opportunities to study marine biodiversity, coastal ecology, and environmental management practices.

The tour also included visits to wildlife sanctuaries and forest ecosystems in Dandeli. Students observed a variety of plant and animal species and learned about the importance of forest conservation and sustainable resource management.

Faculty members guided students throughout the tour and explained various ecological concepts related to biodiversity, species interactions, and habitat conservation. The tour also provided opportunities for informal discussions and collaborative learning.

The study tour significantly enhanced students' understanding of ecological systems and strengthened their interest in wildlife biology and environmental conservation. It also promoted teamwork, observation skills, and field-based learning.

### **Awareness Programme for Girls**

**Date: 14 January 2026**

The Department of Zoology, KKTU Government College, Pullut, in association with the Women Cell *Bhoomitrasena* and IQAC, organized an awareness programme titled "**Empowering Girls Through Hygienic Choices**" on 14 January 2026 at the Seminar Hall. The programme was inaugurated by Prof. (Dr.) Bindu Sharmila T. K., Principal.

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The faculty members of the Department of Zoology played a pivotal role in planning and executing the programme. Prof. (Dr.) Shaji E. M., Head of the Department, delivered an insightful talk on personal care and social hygiene, emphasizing scientific awareness and healthy practices among students. Dr. Soumya K. C., Assistant Professor, presented an informative session on menstrual cups as a sustainable and healthy alternative, highlighting environmental and health benefits.

The active involvement of the faculty ensured the academic relevance and effectiveness of the programme. Their guidance and commitment significantly contributed to promoting health awareness, scientific temper, and social responsibility among girl students. The programme concluded with a vote of thanks by Smt. Shany N. S., Women Cell Coordinator.

### **Awareness Programme – Discover Healthcare at KKTm College**

**Date: 05 February 2026**

**Venue: Seminar Hall, KKTm Government College, Pullut**

The Department of Zoology, in association with the Internal Quality Assurance Cell (IQAC), organized an awareness programme titled “Discover Healthcare at KKTm College” on 05 February 2026 at the Seminar Hall of KKTm Government College, Pullut. The programme was conducted in collaboration with Anton’s Medicode, Seenai Center, Angamaly, with the objective of introducing students to emerging opportunities in healthcare education and technology-based medical careers.

The programme began with a welcome address delivered by Dr. Seema Menon, Assistant Professor in the Department of Zoology and Programme Coordinator, who welcomed the resource person, faculty members, and participating students. She briefly explained the purpose of the programme and highlighted the growing relevance of interdisciplinary skills combining technology and healthcare.

The programme was formally inaugurated by Prof. (Dr.) G. Ushakumary., Vice-Principal of the college, who addressed the gathering and emphasized the importance of exploring diverse career

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opportunities in the rapidly expanding healthcare sector. She encouraged students to develop both scientific knowledge and technological competencies to succeed in modern professional environments.

The invited talk was delivered by Ms. Bini Mathew, Admission Officer at Anton's Medicode, on the topic "Decode Healthcare with Techminds – Tech Skills + Healthcare = Endless Possibilities." The session provided students with a comprehensive overview of the changing landscape of healthcare professions and the increasing integration of technology in medical sciences.

During the session, the speaker explained various career paths available in healthcare, including fields related to medical technology, diagnostics, healthcare management, and allied health sciences. She also discussed the role of digital technologies, artificial intelligence, and data-driven healthcare systems in improving patient care and medical services.

The talk was highly informative and interactive. Students were encouraged to ask questions and engage in discussions about academic pathways and career prospects in healthcare-related sectors. The programme successfully broadened students' understanding of interdisciplinary opportunities that combine biological sciences with technological innovations.

The awareness programme concluded with an interactive discussion session where students shared their thoughts and clarified doubts regarding future academic and professional opportunities. The programme proved to be highly beneficial in guiding students toward emerging career possibilities in healthcare and technology-driven medical fields.

### **Class PTA Meetings**

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The Department of Zoology organized Class Parent-Teacher Association (PTA) meetings during the academic year 2025-2026 to strengthen communication between faculty members, students, and

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parents. These meetings were conducted with the objective of discussing the academic progress, attendance, and overall development of students while also providing parents with an opportunity to interact directly with the faculty.

The PTA meeting for the VI Semester B.Sc. Zoology students was held on 12 January 2026 at 11:00 AM in the Department of Zoology. Parents attended the meeting and interacted with the faculty members regarding the academic performance of their wards. The teachers presented an overview of the syllabus coverage, internal assessment procedures, and upcoming university examinations. Special attention was given to guiding final year students regarding examination preparation, higher education opportunities, and career prospects in zoology and related fields.

The PTA meetings for the IV Semester and II Semester B.Sc. Zoology students were conducted on 20 February 2026 at 10:30 AM. These meetings served as an important platform to review students' academic progress and discuss matters related to attendance, internal assessment marks, and participation in departmental activities. Faculty members explained the evaluation methods and emphasized the importance of consistent academic engagement and active participation in classroom learning.

During the meetings, parents were encouraged to share their observations and concerns regarding the academic development of their wards. Constructive discussions took place regarding study habits, time management, and the importance of maintaining a balanced approach to academics and extracurricular activities.

The PTA meetings helped to create a supportive academic environment by strengthening cooperation between parents and teachers. Parents appreciated the opportunity to directly interact with faculty members and gain insights into the academic expectations of the department. The discussions also helped faculty members understand the students' learning challenges and address them effectively.

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### **Department Merit Day and Distribution of P. B. Salim Memorial Educational Award**

**Date: 24 February 2026**

**Venue: Zoology Laboratory, KKTM Government College, Pullut**

The Department of Zoology celebrated its Department Merit Day on 24 February 2026 in the Zoology Laboratory. The programme aimed to recognize academic excellence among students and to encourage them to pursue their academic goals with dedication.

The programme began with a prayer song rendered by Malavika T. M. and Vrinda P., students of III B.Sc. Zoology. The welcome address was delivered by Dr. Prasad N. K., Assistant Professor in the Department of Zoology, who welcomed the dignitaries, faculty members, students, and guests.

The programme was inaugurated by Prof. (Dr.) Bindu Sharmila T. K., Principal of the college. In her address, she emphasized the importance of perseverance and determination in achieving academic success.

The presidential address was delivered by Prof. (Dr.) Shaji E. M., Head of the Department of Zoology. He highlighted the achievements of students and acknowledged the contribution of alumni who instituted the P. B. Salim Memorial Educational Award.

Felicitations were offered by distinguished alumnae Dr. Sumathi Achuthan and Prof. Subaida V. K., who shared inspiring experiences from their academic journeys and encouraged students to remain committed to their goals.

The award distribution ceremony was the highlight of the programme. Meritorious students were honoured with awards and certificates in recognition of their academic achievements.

The programme concluded with a vote of thanks delivered by Dr. Soumya K. C., Assistant Professor in the Department of Zoology.

### **Field Visits – FYUGP Students**

**28/10/2025, 29/10/2025, 05/02/2026, 23/02/2026 and 06/03/2026**

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The FYUGP students actively participated in a series of field visits across different semesters as part of their academic curriculum, aimed at enhancing practical knowledge and experiential learning.

During the I Semester, students undertook a minor visit to Pullut Mangroves on 28/10/2025, where they observed the unique ecosystem, biodiversity, and ecological importance of mangrove forests. This was followed by a major visit to Life Line Diagnostic Lab, Pullut on 29/10/2025, which provided insights into laboratory procedures, diagnostic techniques, and healthcare services.

In the II Semester, students visited Life Line Diagnostic Lab, Pullut again on 05/02/2026 as a minor visit to reinforce their understanding of clinical practices and laboratory management. A major visit was conducted to the Mangrove Forest at Chappara, Kodungallur on 06/03/2026, where students studied coastal ecology, conservation practices, and environmental sustainability.

Additionally, in the IV Semester, a major field visit was organized to Azhikode Harbour, Kodungallur on 23/02/2026. This visit exposed students to marine activities, fishing practices, and the socio-economic aspects of coastal communities.

Overall, these field visits significantly contributed to bridging theoretical knowledge with real-world applications, fostering observational skills, environmental awareness, and professional understanding among students.

### Conclusion

During the academic year 2025–2026, the Department of Zoology successfully organized a wide range of academic programmes, extension activities, awareness campaigns, and student-centered initiatives. These activities strengthened the academic environment of the department and contributed to the holistic development of students.

The department remained committed to promoting scientific knowledge, environmental responsibility, and community engagement. Through collaborative efforts of faculty members, students, alumni, and partner institutions, the department continues to uphold its mission of nurturing responsible citizens and future scientists.

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*Moments that Matter: Departmental Highlights*



Observance of World Environment day



Environment Day Extension activity in SCGHS, Mala

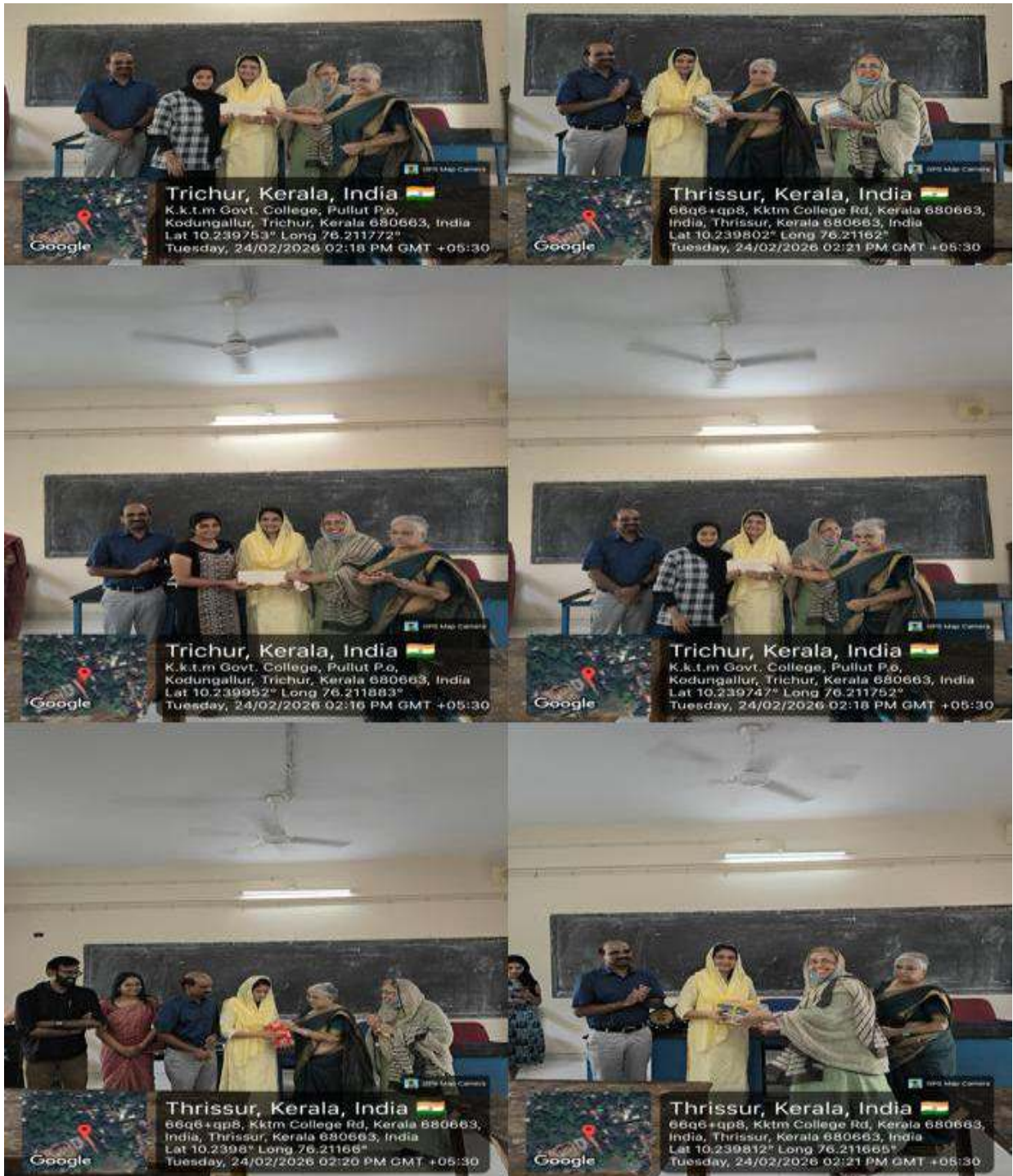
# END PLASTIC POLLUTION





## **Workshop on Plastic Pollution**

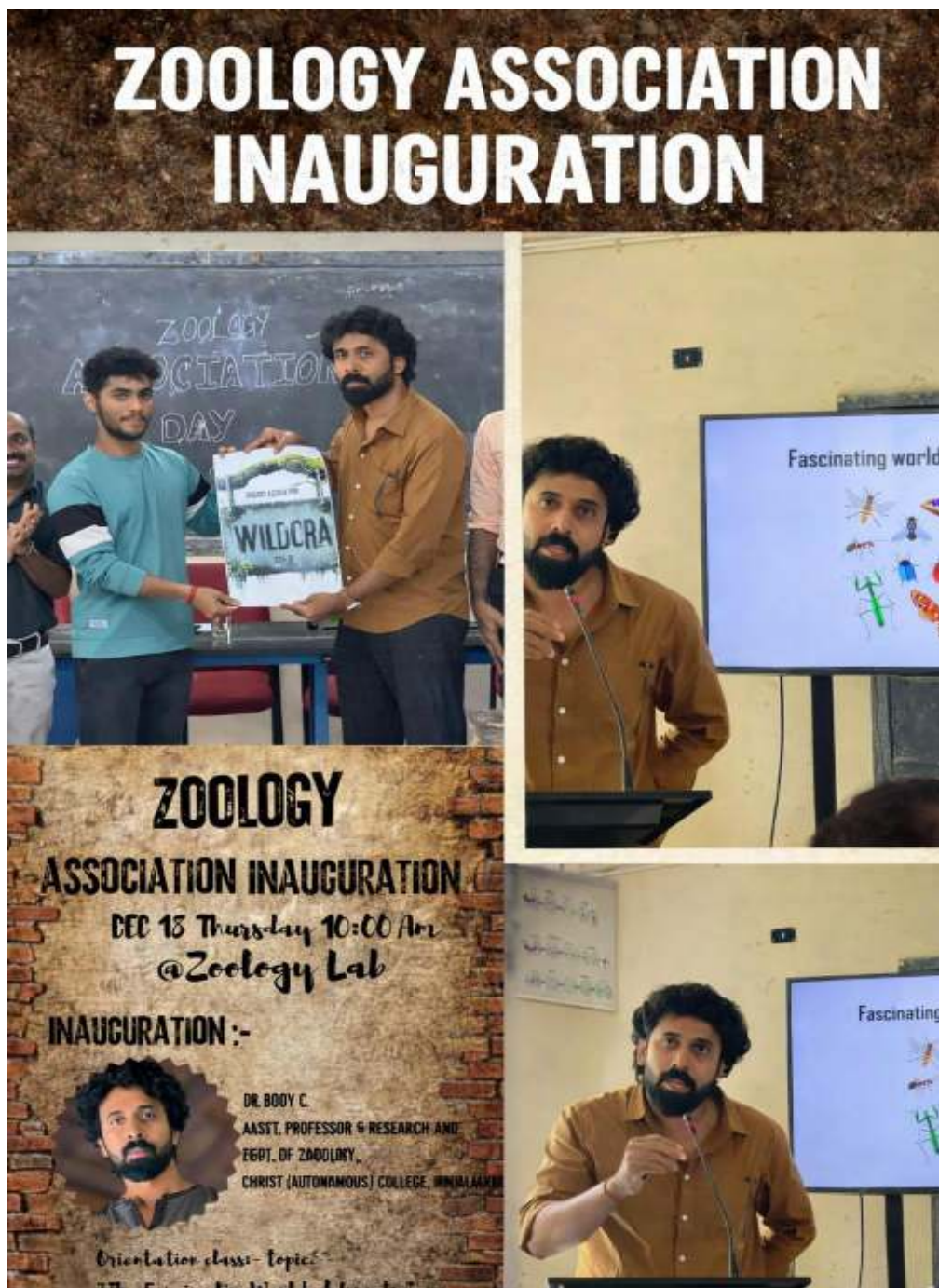
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# Department Merit Day

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# TALK ON AIDS DAY OBSERVANCE PROGRAMME



# 'Field Visits'

