JSS MAHAVIDYAPEETHA

J S S COLLEGE FOR WOMEN(AUTONOMOUS

(An Autonomous College of University of Mysore: Re-Accredited by NAAC with 'A' Grade (CGPA 3.07)

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DEPARTMENT OF MICROBIOLOGY

EXTENSION ACTIVITY

AWARENESS PROGRAMME ON WATER BLOOM (ALGAL BLOOM)

Date: 28/10/2025

Place: Government High School, Kukkarahalli, Saraswathipuram, Mysuru- 570009

Number of beneficiaries: 25

Objective:

The main objective of this extension activity is to create awareness among high school students about the phenomenon of "**Algal bloom - causes, consequences, and control measures".** The programme aims to simplify scientific concepts related to water pollution and eutrophication through interactive sessions, visual presentations, and demonstrations.

This activity seeks to develop scientific curiosity and environmental consciousness among students, encouraging them to observe, understand, and protect their local water bodies. It also aims to bridge the gap between higher education institutions and school-level learners by promoting community-based scientific outreach and environmental education.

Brief write up on the programme:

The Department of Microbiology, JSS College for Women, Saraswathipuram, Mysuru, organized an Extension Activity from Microvision Club at Government High School, Kukkarahalli, Mysuru, on 28th October 2025.

The main objective of this programme was to create awareness among students about the causes, effects, and prevention of algal blooms, and to emphasize the importance of conserving water bodies from pollution.

During the session, Mr. Girish M., Head of the Department of Microbiology, explained the topic "Algal Bloom – Causes and Control". He discussed in detail about the environmental hazards of algal blooms, their impact on aquatic life, and the health risks to humans. Students learnt how nutrient enrichment (eutrophication) occurs from the disposal of domestic and agricultural wastes leads to excessive algal growth in water bodies.

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As part of the practical demonstration, students observed various cyanobacteria under microscopes. Students were guided by the faculty members of the Microbiology Department, to identify and understand the morphology of the microorganisms responsible for Algal bloom formation.

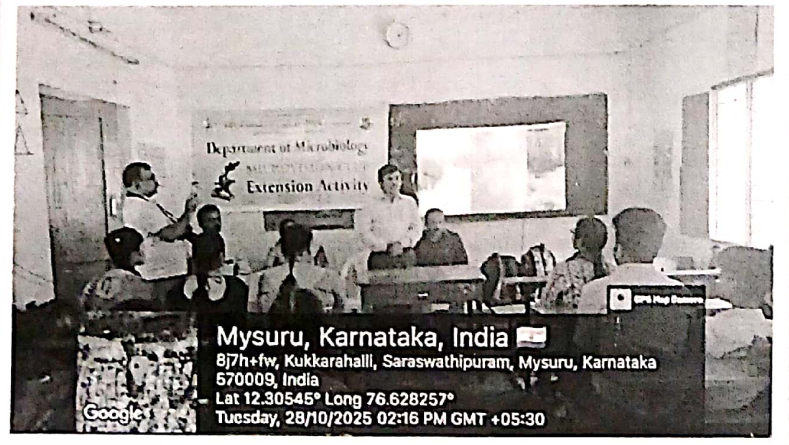
The Headmaster, Mr. Chandra, and science teacher, Mr. Vajramuni, of the host school extended their full support in organizing the programme. Their cooperation ensured that the activity was interactive, educational, and impactful, fostering scientific curiosity among the students.

Overall, the extension activity served as a valuable community outreach initiative, combining scientific education, environmental awareness, and hands-on learning. It helped students understand their role in protecting the ecosystem and preventing pollution that leads to harmful algal blooms.

PHOTOS:

GEO TAGGED PHOTOS:

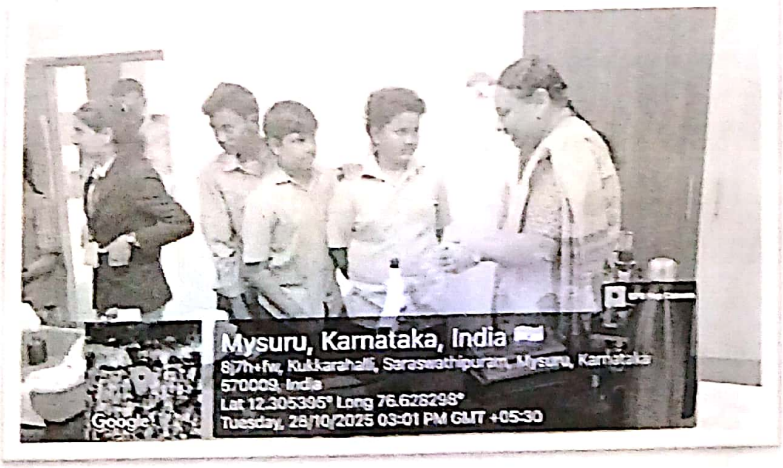




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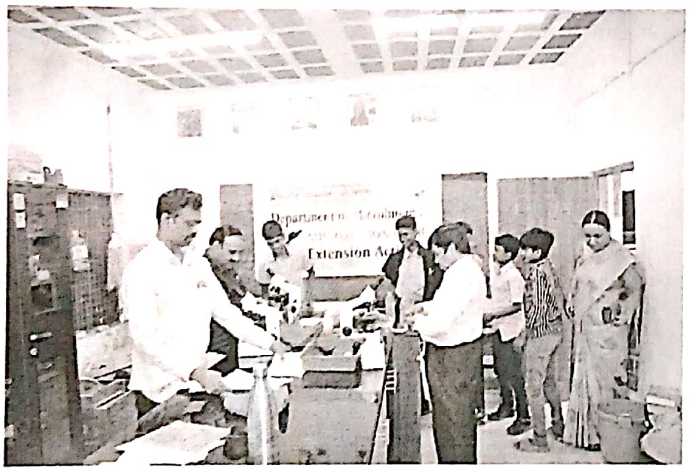


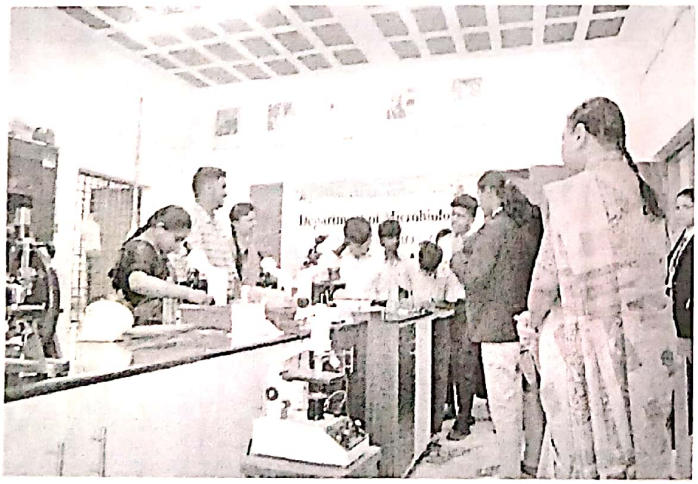


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OTHER PHOTOS:

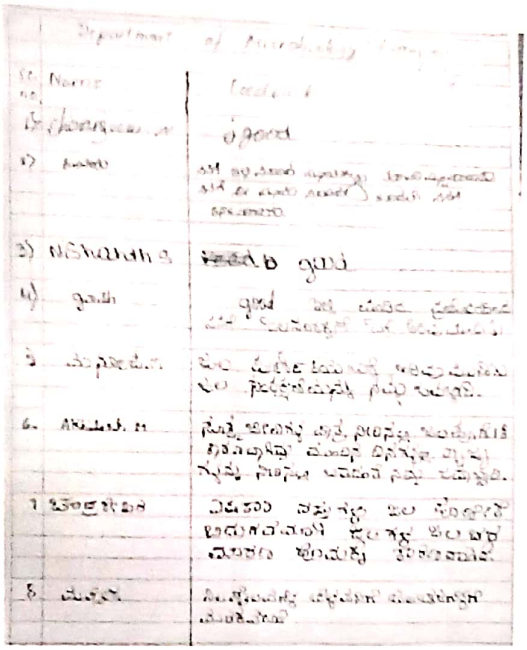


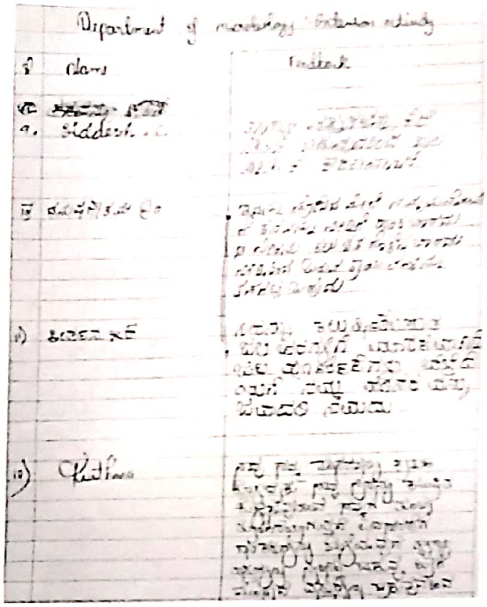


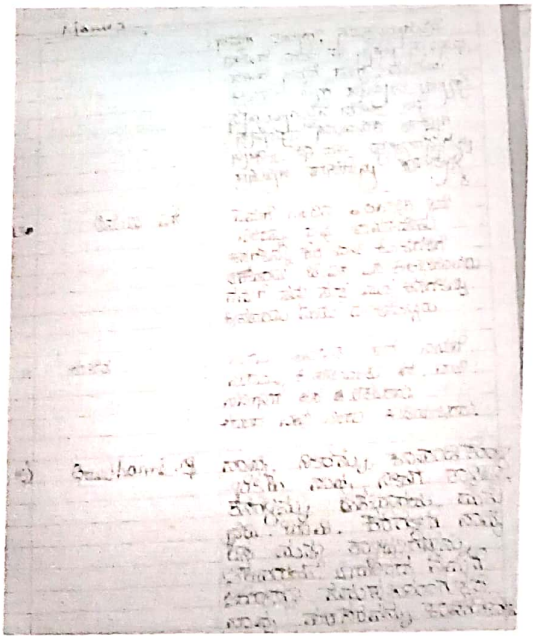


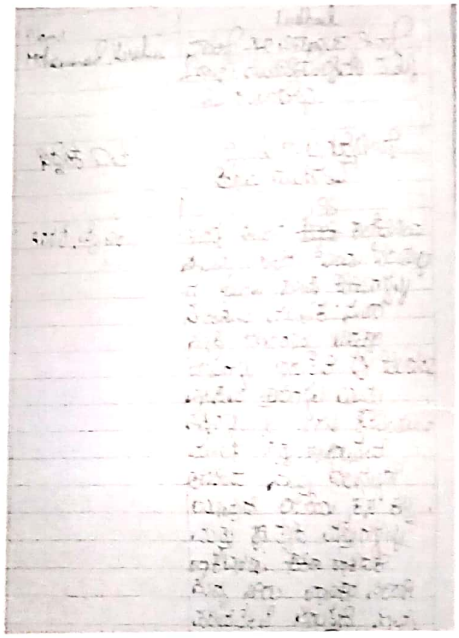
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PARTICIPANT'S LIST AND FEEDBACK :









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Impact:

The extension activity on Algal Blooms, had a meaningful impact on students and the local community. As reflected in the Students Feedback, The awareness programme has enhanced their understanding of how algal blooms develop, their harmful effects on aquatic life, and the importance of controlling water pollution.

The hands-on learning experience, including microscopic observation of cyanobacteria, boosted student's curiosity and practical knowledge in microbiology. It also promoted environmental awareness and inspired participants to adopt eco-friendly practices in their surroundings.

The collaboration between college faculty and school students strengthened community engagement and emphasized the role of education in environmental protection. Overall, the activity contributed to building environmental consciousness and scientific thinking among young learners.

Signature of Principal

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