



DEPARTMENT OF BIOTECHNOLOGY

In association with

INSTITUTION INNOVATION COUNCIL (IIC)

Organized

" Outreach activity on Innovative Projects for School Teachers "

Event Overview

The Department, in collaboration with Agasthya International Foundation, Bengaluru, organized a highly engaging and impactful brainstorming session titled “ **Outreach activity on Innovative Projects for School Teachers**” on **30th December 2023**. The session was designed to provide insights into modern teaching methodologies and promote the use of innovative models to enhance the learning experience. It was attended by **30 school teachers from across Karnataka** who participated actively in discussions on improving their teaching techniques.

Objective of the Session

The primary objective of the session was to empower school teachers with innovative teaching strategies and approaches. Specifically, the session aimed to:

1. Demonstrate how to incorporate **innovative models** and projects in teaching to make learning more interactive and engaging.
2. Discuss and explore **strategies for motivating students** through creative teaching methodologies.
3. Facilitate the exchange of ideas and experiences among educators to foster a collaborative learning environment.

Session Highlights

The brainstorming session was structured into key segments to maximize interaction and learning. Below are some of the highlights:

1. Welcome and Introduction:

The session commenced with a welcome address, introducing the partnership between the department and Agasthya International Foundation. The objectives of the session were briefly outlined to the participants, setting the tone for the interactive learning experience ahead.

2. Demonstration of Innovative Teaching Models:

Faculty members from the department presented **innovative teaching models** that could

be adopted in classrooms to simplify complex concepts and make learning more hands-on. These models emphasized experiential learning and the application of knowledge in practical scenarios.

3. Interactive Discussion on Teaching Challenges:

Teachers from various schools shared the **challenges they face** in engaging students, particularly in rural settings. The discussion explored how innovative projects could bridge the gap between traditional teaching methods and the need for a more student-centered approach.

4. Innovative Strategies for Student Motivation:

Strategies such as using **project-based learning, gamification, and real-world problem-solving** were discussed. Faculty members demonstrated how these strategies have been successfully used to foster **critical thinking, creativity, and student engagement**.

5. Hands-On Activity Session

Teachers participated in hands-on activities where they used **simple, cost-effective materials** to create learning tools for classroom use. These activities provided a practical approach to implementing the discussed teaching techniques.

6. Faculty Engagement and Support:

All faculty members from the department were actively involved throughout the session, offering guidance and support to the teachers. Faculty members also shared their experiences in **developing innovative teaching methodologies** that have proven successful in their own classrooms.

Key Takeaways

1. Enhanced Teaching Skills:

The session demonstrated how **innovative projects and models** can be effectively used to enhance teaching skills, making complex topics easier to understand for students.

2. Increased Student Motivation:

Teachers learned strategies to **motivate and engage students**, particularly through the use of project-based and experiential learning models that align with students' interests.

3. Collaborative Learning Environment:

The session fostered a **collaborative environment**, where educators shared experiences and learned from each other's teaching practices, promoting a continuous exchange of

innovative ideas.

4. Practical Application of Innovative Models:

The hands-on activities enabled teachers to see the **practical application** of the discussed models, giving them the tools and confidence to implement these approaches in their own classrooms.

Feedback and Participation

The feedback from the participating teachers was overwhelmingly positive. They appreciated the department's efforts in organizing such a **relevant and timely session**, particularly the focus on practical, low-cost teaching models that could be easily implemented in schools with limited resources. Many participants expressed interest in **further collaboration** with the department to continue improving their teaching skills.

Conclusion

The brainstorming session on **“Innovative Projects and Teaching Skills”** was a resounding success, achieving its goal of providing educators with new tools and strategies to enhance their teaching methods. The active participation of teachers from across Karnataka and the full engagement of the department's faculty members contributed to the creation of an innovative and collaborative atmosphere. Moving forward, the department and Agasthya International Foundation plan to continue their partnership, offering more such sessions to promote educational innovation.

Organized By

The Department in collaboration with **Agasthya International Foundation, Bengaluru**

Date: 30th December 2023

Participants: 30 school teachers from across Karnataka

40 students