A.S.D GOVT. DEGREE COLLEGE FOR WOMEN (A),

(Re- Accredited by NAAC with B Grade)

Jagannaickpur, Kakinada-533002, East Godavari, AP

DEPARTMENT OF ZOOLOGY & AQUACULTURE TECHNOLOGY

2018-2025

Best practice

ICT integration in curriculum transaction

Title of the Practice: ICT integration in curriculum transaction.

Objectives of the Practice:

The primary objective of this best practice is to leverage Information and Communication Technology (ICT) to enhance the quality of education for students in Zoology & Aquaculture technology. The initiative aims to improve accessibility, engagement, and efficiency in the learning process by making complex concepts into simpler ones. By incorporating digital tools, online resources, and interactive learning methods, the practice seeks to create a more flexible and student-centric learning environment. It also supports the development of digital literacy skills among students, preparing them for future academic and professional pursuits.

The Context:

Nowadays the students require access to updated information, real-time collaboration, and self-paced learning options. The COVID-19 pandemic further emphasized the need for a robust ICT framework to support uninterrupted learning.

The initiative was designed to address these issues by implementing LCD projectors, digital classrooms, online learning platforms, etc.,. The goal was to create an inclusive and technologically advanced education system that enhances the overall learning experience, especially by enhancing practical skills in an eco-friendly way.

The Practice:

The integration of ICT in higher education was implemented through the following steps:

1. Smart Classrooms and Digital Infrastructure: Equipping classrooms with projectors, and high-speed internet to facilitate digital learning.

2. Learning Management Systems (LMS): Adoption of platforms like university-specific LMS to enable seamless content delivery, assignments, and discussions.

3. Online Resources and E-Libraries: Providing access to e-books, research papers, and digital content to support independent learning and research through N-List, DELNET, J-Store, NDL etc.

4. Virtual Labs and Simulations: Implementing subject-specific virtual labs for fields like zoology & Aquaculture to facilitate practical learning without physical constraints.

5. AI in Education: Utilizing AI-based tools for personalized learning experiences.

Constraints and Limitations:

- Ensuring equal access to digital resources for students from diverse socio-economic backgrounds.
- Training faculty members to effectively use ICT tools and digital teaching methodologies.

Evidence of Success:

The implementation of ICT in higher education has significantly improved student engagement and learning outcomes. There has been an increase in student access to study materials, and improved performance in assessments. Digital records indicate higher completion rates in usage of e-libraries.

Problems Encountered:

- Internet connectivity issues in remote areas.
- Limited digital literacy among some students and faculty.
- High initial investment in infrastructure and software.
- Need for continuous technical support and maintenance.

Conclusion:

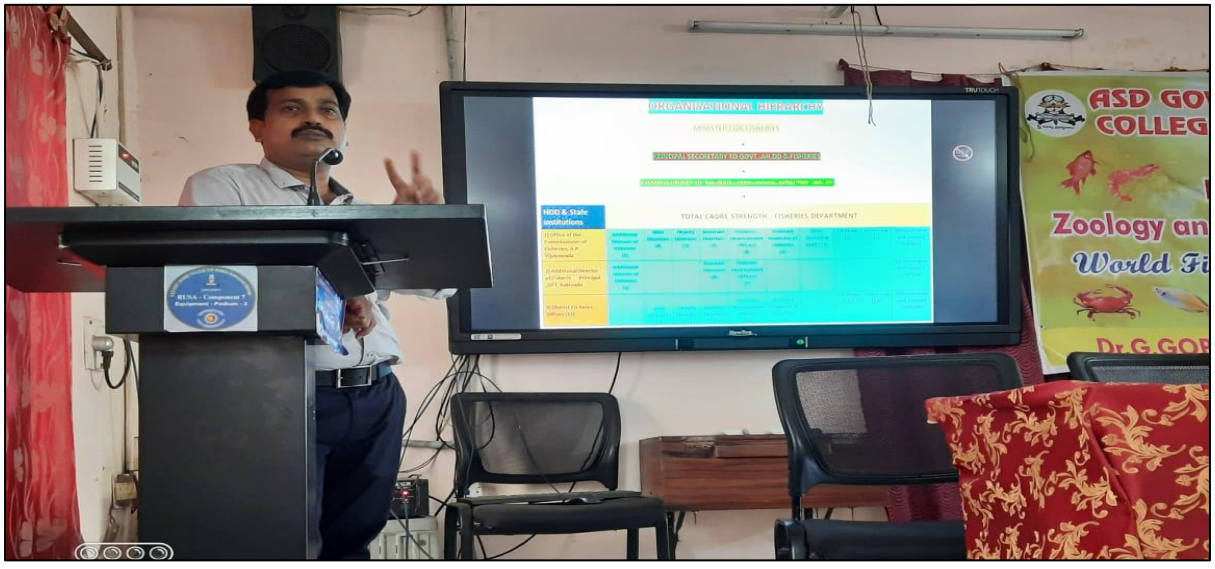
Integrating ICT in higher education aligns with the department's commitment to innovation, inclusivity, and academic excellence. By fostering a technology-driven learning environment, the department can bridge the digital divide, improve learning efficiency, and prepare students for a digitally advanced workforce. Establishing a strong digital culture between faculty and students in digital learning process makes a successful ICT integration in the curriculum. Continuous evaluation and updates to technology-based learning methods will enhance long-term benefits of ICT to the students.

Link:

https://asdgdcw.ac.in/resource/download/1741453729ICT_Record_proof_2018-2025.pdf

Gallery


ASD Government Degree College for Women (A),
KAKINADA
Induction Programme for
First Year Students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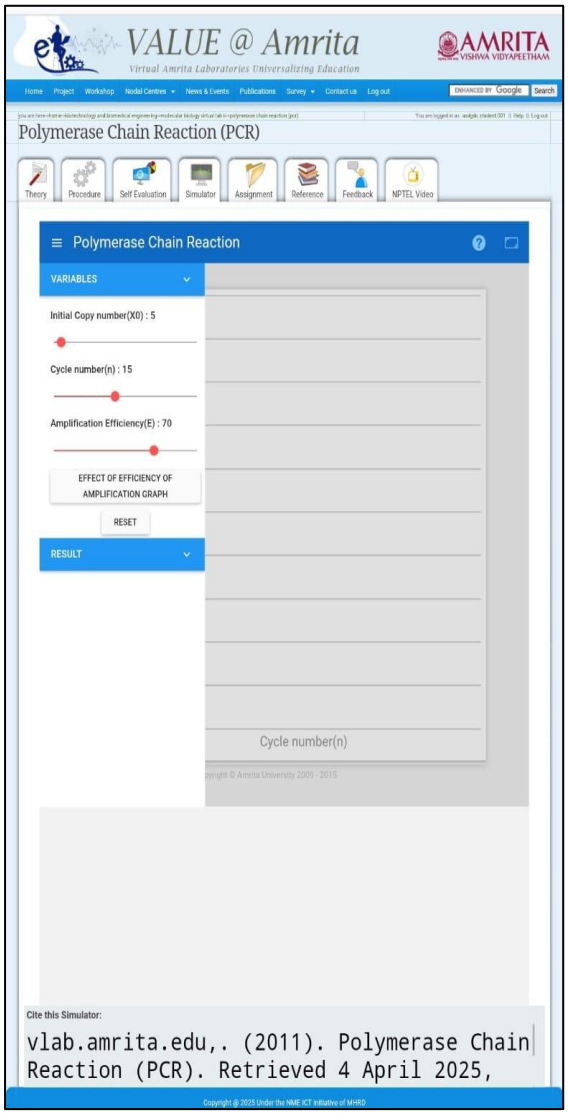
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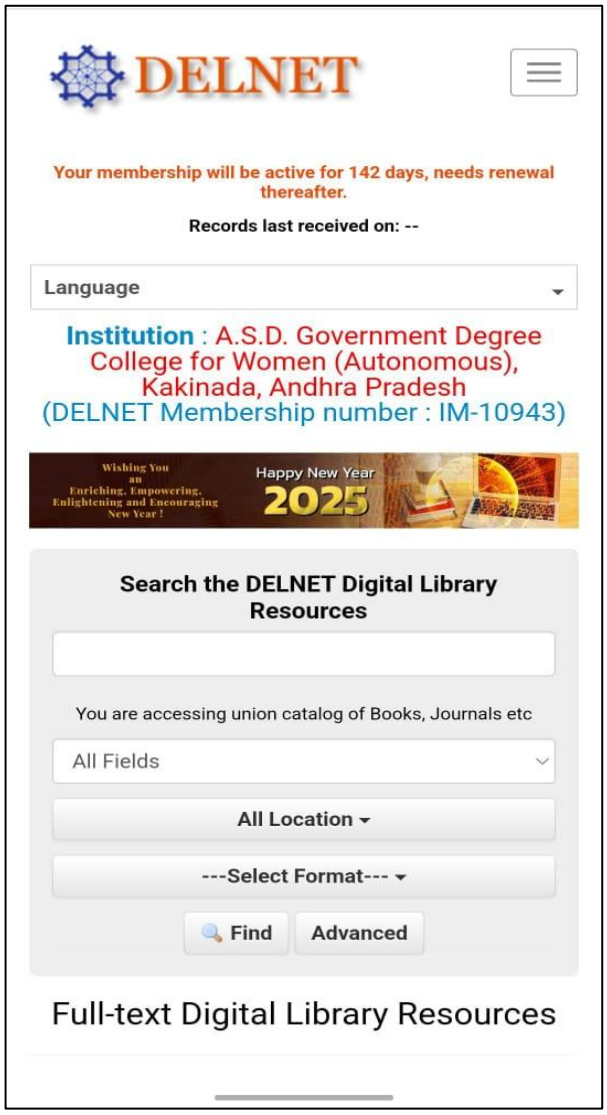
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