



ST. ALOYSIUS' INSTITUTE OF TECHNOLOGY, JABALPUR

Recognised by N.C.T.E. Affiliated to R.D.V.V. Jabalpur

M.P.B.S.E Bhopal

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Motto: Invention, Innovation & Creation

Aarambha

*The Era of Technological Integration
in Education*

Teachers at all levels of education, from preschool to college-level courses, might use a wide range of technological tools to teach content and build skills. This process, called technological integration, can transform students' learning experiences and provide a range of benefits. Learning about technological integration can help an educator create lesson plans that use digital tools effectively to meet curriculum goals.



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What does Technological Integration in Education mean?

Technological integration in education refers to the incorporation of various technologies, such as computers, tablets, smartphones, virtual reality tools, software, and online platforms, into the learning environment. It aims to enhance teaching methods, engage students, and improve overall educational outcomes by leveraging the benefits of digital tools. Effective technological integration supports the existing curriculum and is one part of the educational experience, along with traditional teaching methods and group work.



The four levels of technological integration:-

1. **Entry Level:-** Basic use of technology to support existing teaching methods. - Examples: Using presentation software, using word processing programs to write essays or learning management systems.
2. **Adoption Level:-** Integrating technology for specific tasks or units. - Examples: Incorporating multimedia resources, educational apps, or interactive simulations
3. **Adaptation Level:-** Restructuring lessons to fully leverage technology's potential. - Examples: Implementing flipped classrooms, blended learning, or project-based activities with tech tools
4. **Transformation Level:-** Radically transforming the learning environment using technology. - Examples: Virtual reality experiences, online collaborative projects, or utilizing AI for personalized learning.

What are the benefits of technological integration in classroom?

Benefits of technological integration in the classroom includes improved student engagement, personalized learning opportunities, enhanced collaboration, access to a wealth of information, development of critical thinking skills, and preparation for future workforce demands in a technology-driven world.

Types of technology for integration:-

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1. **Computers and Laptops:** - Essential for various educational tasks, from research to content creation.
2. **Interactive Whiteboards:** - Facilitate dynamic lessons with touch-sensitive surfaces for collaboration.
3. **Tablets and Smartphones:-** Provide portable and interactive learning tools with a wide range of educational apps.
4. **Educational Software:** - Includes learning management systems, simulations, and subject-specific software.
5. **Online Resources:** - Web-based materials, e-books, and educational websites for diverse learning content
6. **Virtual Reality (VR) and Augmented Reality (AR):** - Immersive technologies for interactive and experiential learning
7. **Cloud Computing:-** Enables easy access to shared resources, collaboration, and remote learning.
8. **Adaptive Learning Platforms:-** Tailor instruction to individual student needs based on performance.
9. **Robotics and Coding Tools:-** Promote STEM education and critical thinking through hands-on experiences.
10. **Video Conferencing Tools:-** Facilitate remote learning, virtual guest speakers, and global collaboration.
11. **Artificial Intelligence (AI):-** Supports personalized learning, automated assessments, and data analysis.
12. **3D Printing:-** Enhances hands-on learning by creating physical objects from digital designs.

In conclusion, technological integration in education has made educators and students more efficient and productive. Many educational institutions have introduced advancements in teaching to facilitate their students with a holistic development and mindset to face the competition of existing and coming times.



ACTIVITIES



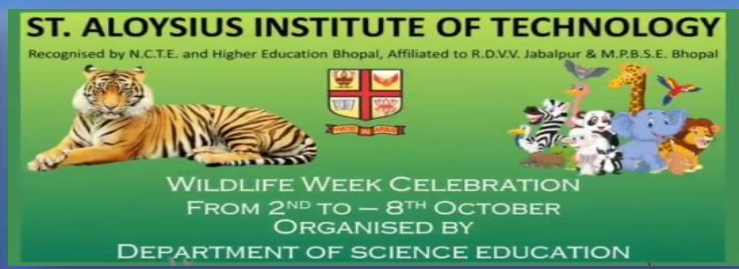
Community Living program Anand Utsav 5.0 celebrated on 13 January, 2024



Wildlife Nature Walk by Science Education Students on 08-10-23 in Dumna Nature Park



Art and Craft exhibition held on 03-11-23



MOU signed with Wildlife NGO on 04-10-23

ACTIVITIES

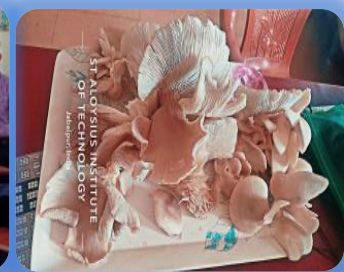


Vermicompost Preparation done by Science Education Students on 06-02-23



Workshop on Mathematics Teaching Aids on 16-12-23

Workshop on "Wonders and Threats of AI" held on 22-12-23



7 days Workshop on Mushroom Cultivation organized from 7th – 14th December 2023



Workshop on Technology Integration in Teaching Learning & Evaluation Process on 09-12-23

CHAMPION CREW



Sunakshi Jindal secured 3rd position in Debate competition in Youth Competition



Siddhant Jain participated in Trekking camp under NCC National Camp



Naaz Shaheen secured 2nd position in Youth Fest



Ankush Rai participated in National NSS Camp, Patna. Also he was NSS Camp leader for Camp held at Paraswara, Jabalpur



Damini Batav secured 1st position in Inter College Youth Fest Group Dance Competition



Aastha Chandrol appointed as SGT



Subodh Dubey secured 3rd position in Intercollege Speech Competition



Reshu Patel completed her certificate course on Best out of Waste



Aditi Verma secured 1st position in Collage in Inter District University Youth Fest




Anushka Soni secured 1st position in Rangoli in Inter District University Youth Fest

FACULTY ACHIEVEMENTS

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- 1. Patent on ‘A method for Mathematical Modeling of the Responses of Focus Group Participants’ was granted to Dr. Rashmi Jaiswal and Dr. Aradhana Dhanaraj on 31st May 2023.**
- 2. 2 books titled ‘Scientific Approach for Self Reliant India’ and ‘Role of Education in Making India Self Reliant and Globally Competent’ were published by Dr. Renu Pandey, Dr. Rashmi Jaiswal and Dr. Aradhana Dhanaraj.**
- 3. International Conference on Role of Science, Education and Technology in Making India Self Reliant and Globally Competent was organised by Dr. Rashmi Jaiswal and Dr. Aradhana Dhanaraj on 3rd-4th March 2023.**
- 4. National Conference on Atmanirbhar Bharat- Role of Science, Education and Technology sponsored by MPCST was organised by Dr. Rashmi Choubey on 15th-16th September 2023.**
- 5. Mr. Aman Singh Bais and Ms. Vaishali Uikey qualified MPSET, 2023.**
- 6. Dr. Aparajita Sengupta received a position among the top 30 percentile globally in the International Teacher’s Olympiad held on 7th October, 2023.**





**B.Sc. B.Ed. Toppers
(2019-2023)**



**Divya Patel
First Rank
88.50%**



**Khushboo Matriya
Third Rank
87.00%**



**Anushka Shrivastava
Second Rank
88.33%**

