

6.8 Teachers Innovative Ideas:

Implemented:

- Organized international conference on emerging issues of biodiversity and environment for sustainable development
- Lifesciences club is contributing to society and working on creating awareness for helping stray animals dogs, cattles and also working for minimising plastic use and carbon credit.
- Students participated in organic farming techniques and vermiculture. All of them prepared vermicompost and bioenzymes by discarded fruits and vegetables."
- Organised Plasma Exhibition
- Ad on courses implemented
- Lab training Programme implemented by for various Laboratory staff.
- "Under the DEST-awarded project focused on wild food plants (WFPs), Innovated value added recipes with herbs, filed patent for 5 recipes, out of these 4 got published. These publications aim to disseminate knowledge about WFPs, their nutritional value, and their role in sustainable agriculture. Patent Published=04
- Recipe for herbal Burans Tea. Published as caffeine Free. Herbal Tea Composition of *Rhododendron arboreum* and Method of Preparation Thereof (2023). Application No.202211029393 A. Publication Date: 29/12/2023. No. of Pages: 22 No. of Claims :2
- Recipe for Value added Sepu-badi (With addition of *Kalanchoe pinnata* & *Euphorbia hirta*). Published as nutritionally enriched black Gram Dumpling (Sepu Vadi) and Method of Preparation Thereof (2024). Application No.202211049534 A. Publication Date: 01/03/2024. No. of Pages: 18 No. of Claims :5
- Recipe for Value added pasta (With addition of *Tinospora cordifolia* & *Euphorbia hirta*). Application No.202311004925 A. Publication Date : 26/07/2024. No. of Pages : 16 No. of Claims : 3.
- Recipe for Amla-lukath (*Phyllanthus emblica* & *Eriobotrya japonica*) herbal Tea. Application No.202311004924 A. Publication Date : 26/07/2024. No. of Pages : 29 No. of Claims : 4
- Presentations, assignments and class tests on different topics related to subject should be given to students in online and offline mode of teaching. Students should be taken

to visit different historical buildings and places to understand art and architecture of past.

- Established Yuva Tourism Club at Vallabh Govt. College, Mandi.
- Organized variety of outdoor activities for students of Vallabh Govt. College, Mandi."
- Use of ICT tools and techniques in education: The class of environment science make best use of the technology to cater the needs of large strength of students. Projectors and powerpoint presentations are being used for classroom teaching with voice amplification tools to make it audible clearly to the student sitting on last bench.
- Youtube Channel for students: An initiative have been taken to create a youtube channel named as "" Environment matters"" where all the classroom topics are provided in the form of recorded powerpoint lectures to easy revision by the students. Along with the syllabus the students are also being made aware about the various environmental issues through short videos, shorts and reels etc. https://youtu.be/7YDEHNvI_h8?si=T3dWn3ITr8KPbHBi"
- Organized orientation and refresher programme in the college
- Use of google classrooms for attendance during covid period
- Use of Microphone with speaker in classroom for better reach to students"
- "Teacher focuses on enhancing, engagement, improving learning outcomes and integrating technology.
- Flipped classroom, Project based learning, Gamification, Differentiated instruction, Technology integration, Peer teaching, Service learning, Socratic Seminars play very role in quality education."

Proposed:

- Learning is not a spectator sport. Students do not learn much just by sitting in classes listening to teachers, memorizing pre-packaged assignments, and spitting out answers. They must talk about what they are learning, write about it, relate it to past experiences and apply it to their daily lives. They must make what they learn part of themselves. Active learning essentially strives to make students understand the concept that needs to be covered to fulfil the outcomes. In this type of setting, the focus entirely shifts from the lecture to activity. There should not be more than 20% of lecturing in any class and rest of the 80% should be spent on student activities.
- Helping students for competitive exam through IT Source

- Profess secular thoughts among people and uplifting their educational understanding
- Classes should be digitalized
- Focus should be on practical learning"
- Every teacher should teach regularly using ICT and colleges should have biometric attendance for students.
- Educational games should be incorporated which align with teacher's lesson objectives. Positive reinforcement enhances participation of the students and increases enthusiasm for learning. Quizzes must be integrated into lessons and an element of competition should be added.
- Operating system of Old PC in every department can be replaced with Linux free operating system. In this way they can be utilized for C++/FORTRAN pROGRAMMING
- "Project-Based Learning (PBL): Encourage students to work on real-world projects that integrate various subjects, fostering critical thinking and collaboration.
- Peer Teaching: Allow students to teach each other concepts they've mastered, reinforcing their understanding and building confidence.
- Use of Technology Tools: Integrate apps and tools (like Kahoot, or Google Classroom) to facilitate interactive lessons and assessments."
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 - Gamification: Incorporate game-like elements into lessons to make learning more engaging and fun.
 - Project-Based Learning: Assign students real-world projects that require them to apply their knowledge and skills.
 - Flipped Classroom: Have students watch lectures or videos at home and use class time for discussions, activities, and problem-solving.
 - Peer Teaching: Encourage students to teach each other concepts they have mastered.
 - Use of Technology: Utilize tools like interactive whiteboards, educational apps, and online resources to enhance learning experiences.
 - Differentiated Instruction: Tailor instruction to meet the individual needs of different students.
 - Real-World Connections: Relate classroom material to real-world examples to make it more relevant and meaningful.

- Outdoor Learning: Take classes outside to learn about nature, science, or history in a hands-on way.
 - Growth Mindset: Foster a positive and growth-oriented mindset in students to encourage resilience and perseverance.
 - Collaborative Learning: Promote teamwork and cooperation among students through group activities and projects."
- "Flipped classroom : Students watch lectures or videos at home and engage on activities or discussions in class
 - For the upliftment of college sports and overall fitness of students we can introduce theme-based intramurals where every week or month will focus on a particular theme, such as "Olympic Week" (different Olympic sports), "Retro Sports" (classic games like dodgeball, tug of war), or "Outdoor Adventure" (Rafting, Kayaking & Canoeing, Mountaineering courses etc).