GOVERNMENT COLLEGE JUKHALA
DISTRICT BILASPUR, H.P. 174033
Phone No: 01978-286201
email: principaljukhala@gmail.com
Website: https://gcjukhala.ac.in/

BEST PRACTICES ADOPTED BY GOVT. COLLEGE JUKHALA, DISTRICT BILASPUR (H.P) 2024-25

5.1 FOLLOWING BEST PRACTICES HAVE BEEN ADOPTED BY THE COLLEGE:-

Best Practice-1.

Adoption of Five Local Schools under the School Adoption Programme

Objectives

1. To provide informed career counseling to school students across academic streams.
2. To promote awareness on adult education and its role in community empowerment.
3. To guide learners on career possibilities in sports and the importance of structured physical fitness.
4. To introduce students to vocational education pathways aligned with emerging employability trends.
5. To facilitate academic cooperation and resource sharing between Govt. College Jukhala and the adopted schools.

The Context

Under the directives of Letter No. EDN-H(8) B(6) 2024 dated 22 October 2024, Govt. College Jukhala adopted **five local schools**—

1. **MMA Govt. Sr. Sec. School Jukhala**
2. **GSSS Rani Kotla**
3. **GSSS Niharkhanvasla**
4. **GSSS Namhol**
5. **GHS Siyonla**

The School Adoption Programme aims to strengthen academic linkages between higher education institutions and neighbouring schools, particularly in rural and semi-rural settings. Through this initiative, the college seeks to support school communities by providing academic guidance, pedagogical reinforcement, and exposure to emerging educational avenues. The programme reflects a broader governmental vision of enhancing educational inclusivity and fostering a robust school–college ecosystem.

The Practice

As part of the School Adoption Programme, a dedicated team from Govt. College Jukhala conducted outreach visit to MMA Govt. Sr. Sec. School Jukhala on 19 February, 2025 and Govt. Sen. Sec. School Ranikotla on 15 Nov,2025 respectively. The visiting team comprised erudite faculty members namely Sh. Rajesh Kumar, Associate Prof. Economics, Sh. Virender Kumar, Assistant Prof. Commerce, Dr. Devender Singh, Assistant Prof. Zoology, Dr. Raj Kumar, Assistant Prof. Physics and Dr. Rajesh Thakur, Assistant Prof. Hindi.

During the visit, the committee:

- Interacted extensively with students and faculty.
- Delivered career counseling sessions tailored to different academic streams.
- Spread awareness regarding adult education and community literacy.
- Engaged learners in discussions on sports-related career opportunities.
- Oriented students toward vocational courses and skill-based pathways.
- Explored avenues for resource sharing, including infrastructure, academic materials, and institutional support.

The visit also served as a pilot engagement model to be replicated across the other three adopted schools.

Evidence of Success

The visit generated a strong response from students, who displayed enthusiasm, curiosity, and active participation. There was a notable rise in awareness regarding academic careers, vocational prospects, and sports opportunities. Teachers reported renewed student interest in seeking guidance for higher studies. The programme also strengthened the rapport between the college and the school, laying the foundation for continuous academic collaboration. The positive outcomes observed during the visit indicate the potential impact of similar engagements with the remaining adopted schools.

Problems Encountered:

- Limited time for deep and personalized student interactions.
- Inadequate digital infrastructure, restricting the use of audio-visual tools during counseling sessions.
- Variation in student readiness levels, affecting the uniformity of engagement.
- Insufficient space for conducting multiple parallel sessions.

Resources Required:

- Enhanced digital facilities (projectors, screens, internet connectivity) at the adopted schools.
- Printed counseling material, vocational education brochures, and career guidance booklets.
- Reliable transport arrangements to facilitate regular college–school interactions.
- Additional sports equipment and vocational demonstration kits for hands-on sessions.

Notes

The adoption of five schools positions Govt. College Jukhala as a key institutional mentor within the region. Continued visits, structured interventions, and periodic assessments are essential to

Principal
G. C, Jukhala
Bilaspur (H P

Best Practice–2

Bio-Enzyme Practice: A Sustainable Initiative at Government College Jukhala

Objectives

1. To inculcate sustainable waste-management habits among students and staff.
2. To reduce the quantity of biodegradable waste reaching landfills.
3. To promote the use of eco-friendly and non-toxic cleaning agents on the campus.
4. To sensitise learners to circular-economy principles and low-carbon, environmentally responsible lifestyles.

The Context

The Bio-Enzyme Practice was introduced in 2022 by the Department of Zoology in collaboration with the Eco-Club at Government College Jukhala. It was initiated in response to rising concerns about waste generation and the reliance on chemical-based cleaning agents. The institution recognised the need to shift towards sustainable and scientifically grounded waste management practices. Bio-enzyme production emerged as an effective approach to encourage environmental awareness, reduce organic waste, and familiarise students with sustainable living concepts.

The Practice

The initiative involves the systematic conversion of organic waste—primarily citrus peels and vegetable residues—into bio-enzymes through a controlled microbial fermentation process. Faculty and students collect organic waste, prepare fermentation mixtures, monitor the fermentation period, and finally utilise the bio-enzyme solution for campus cleaning and soil nourishment. The process not only reduces waste but also creates naturally derived products that serve as an environmentally benign substitute for synthetic cleaning chemicals. The practice reinforces scientific learning, hands-on skills, and ecological responsibility among the student community.

Evidence of Success

The initiative has noticeably reduced the volume of organic waste generated on campus. Bio-enzyme solutions have been effectively used in gardening activities and as eco-friendly cleaning agents within the college. Students gained practical exposure to microbial fermentation and bio-product development, contributing to increased environmental consciousness. The low-cost, non-toxic bio-enzyme solutions offer a sustainable alternative to commercial detergents and hold the potential to minimize chemical load in wastewater as their usage increases.

Problems Encountered:

- Initial lack of knowledge and technical understanding among students regarding the fermentation process.
- Occasional contamination of fermentation batches due to improper sealing or proportion inaccuracies.
- Requirement of dedicated space for storing fermentation containers.
- Variability in the consistency of organic waste collection.

Resources Required:

- Clean plastic containers for fermentation.
- Organic waste such as citrus peels and vegetable residues, along with jaggery or sugar.
- Adequate storage space for fermenting containers and finished bio-enzyme products.
- Instructional materials, awareness posters, and training sessions.
- Basic laboratory assistance (optional) for microbial observation and quality control.

Notes

The practice holds strong potential for future expansion. Increasing production capacity, integrating community outreach and training programmes, and collaborating with local administrative bodies can enhance its reach and impact. With further refinement and scientific assessment, the initiative can develop into a regional model for sustainable waste utilisation and environmental innovation.

Principal
G. G. Jukhala
Bilaspur (H. P.)