



BHILAI MAHILA MAHAVIDYALAYA

HOSPITAL SECTOR, BHILAI NAGAR (C.G.) 490 009

(Managed by Bhilai Education Trust)

(Affiliated to Hemchand Yadav Vishwavidyalaya, Durg)

Recognized Under Section 2(f) and 12(B) of the UGC Act 1956

NAAC Accredited with B⁺ Grade

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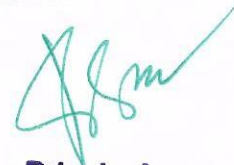
2.3.1 Students centric methods such as experimental learning participative learning and problem solving methodologies are used for enhancing learning experiences.

Departments	Date/Year	Name of student centric method /activity	No of participants	Objectives	Learning outcomes	Photo proof/News
Botany	26/08/2022	Botanical Garden visit	16	To Explore the vegetation ,Specific characteristic feature and disease identification .	Thoroughly knowledge of plant species in surrounding ecosystem	
Botany	04/03/2023	Excursion trip in Panchmarhi	17	To explore the biodiversity of hilly area of Panchmarhi Madhya Pradesh	Identification and Collection of plant species their Ethnobotanical properties.	


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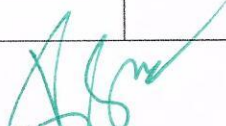
Education	2022-2023	Seminar	80	The purpose of education of gaining a better insight into the subject	Descriptions of the specific knowledge ,skill or expertise that the learner will get from a learning activity.	
Education	2022-23	Educational Movie	60	Aim to inform target audiences about designated educational issues	Observe with knowledge and reflect upon the articulation of a film's content ,from and structure	
Biotechnology and Microbiology	31/8/2022	Ganesh Chaturthi	67	We Celebrate Ganesh Chaturthi to preserve cultures and tradition.	To enhance unity among students. The sole purpose of celebration to let the students stay rooted in Indian culture and enable them to understand the significance of festival. Lord Ganesha teaches us how to use knowledge in enhancing the life skill.	
	05/9/2022	Teacher's Day	47	In the Memory of Dr. Sarvepalli Radhakrishnan.	This day is specially celebrated every year to honour the teachers and appreciate their special contribution towards education. Students gave gift to the teacher sing song for them, felicitate them and do lots of similar things to show their love and respect.	



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	17/9/2022	Vishwakarma Pooja	41	Inspire people to work hard and get success through work	<p>This festival is celebrated to spread joy, love and encourage people to do their work with sincerity.</p> <p>Lord Vishwakarma has been gifted with the science of mechanics, here in our department all the work are done with the help of instrument which work in the principle of mechanics.</p>	
	17/9/2022	International Microorganism Day	54	To celebrate International Microorganism Day	<p>Celebrating International Microorganisms Day could involve educational activities like Poster Competition, workshops, talks, and exhibitions to raise awareness about the importance of microorganisms in various aspects of life, such as medicine, agriculture, and environmental sustainability.</p> <p>Organizing interactive experiments or demonstrations to showcase their role in processes like fermentation, decomposition, and more</p>	
	20/9/2022-20/10/2022 20/09/2023 27/9/2023	Value Added Course on Mushroom Cultivation 1. Inaugural Lecture by Dr. Pragya Kulkarni, Govt. VYTPG Science College, Durg.	54	Value Added Course on Mushroom Cultivation	<p>Participants can gain various profit to attend this courses such as:</p> <ul style="list-style-type: none"> • Skill Development • Entrepreneurship Opportunities • Nutritional Awareness: • Sustainability • Income Generation • Value Addition • Waste Reduction • Research and Innovation 	


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2. Guest
Lecture by Dr.
Trilok Dev,
Govt. Digvijay
College,
Rajnandgaon.
3. Guest
Lecture by Dr.
Trilok Dev,
Govt. Digvijay
College,
Rajnandgaon.

- Local Food Systems
- Awareness of Environmental Impact

Overall, this course can contribute to individual growth, community development, and sustainable agricultural practices while promoting the use of mushrooms as a valuable food source.

26/10/2023

M.Sc.
Fresher's &
Farewell

80

To Celebrate PG
FRESHER'S &
FAREWELL

Importance of Fresher and Farewell Parties for College Students:

Fresher's Party:


- Social Integration
- Welcoming Atmosphere
- Building Relationships
- Cultural Exchange
- Confidence Building
- Positive Experience

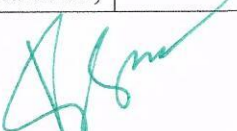
Farewell Party:

- Memorable Farewell:
- Expression of Gratitude
- Networking
- Reflection and Nostalgia
- Transition Preparation
- Emotional Closure
- Legacy and Inspiration


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					Both fresher and farewell parties contribute to the college's vibrant social fabric, fostering a sense of belonging, camaraderie, and unity among students across different academic years.	
	18/11/2023	Industrial Visit- SRT Agro Chemical, Patan	114	To Enculcate Scientific Temperament and Team Work among the students.	To visit SRT Agro Chemical, Patan of students gain to knowledge about the production of agriculture Biofertilizers , insights into industry practices, production processes, quality control, and more. Overall, industrial visits play a crucial role in enriching students' education, preparing them for their future careers, and fostering a deeper understanding of how theoretical knowledge is applied in practical settings.	
	12/2/2023	Value Added Course on Production of Vermicompost	46	Value Added Course Production of Vermicompost.	Participants learn to produce nutrient-rich Vermicompost, contributing to sustainable and organic farming practices, and different aspects such as Soil Health Improvement, Waste Management, Nutrient-Rich Plants, Cost Savings, Increased Crop Yield, Environmental Awareness, Entrepreneurship Opportunities,	

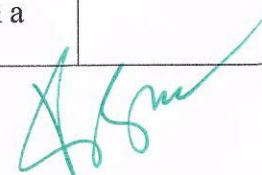

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					Compost Quality Control, Public Health Benefits, Educational Outreach, Research and Innovation, Contribution to Biodiversity, Eco-conscious Mindset.	
	16/2/2023	One Day Workshop on PCR and SDS Page	55	HAND'S ON TRAINING PCR & SDS PAGE	<p>HAND'S ON TRAINING on PCR give the knowledge about Molecular Techniques Mastery, Genetic Research Empowerment, Diagnostic Applications,</p> <p>Forensic Science Understanding: PCR's role in forensic DNA analysis is highlighted, demonstrating its significance in solving criminal cases.</p> <p>Biotechnology Proficiency: PCR is a cornerstone of biotechnology processes like genetic engineering and recombinant DNA technology.</p> <p>Laboratory Techniques Improvement: Participants learn precision techniques, enhancing their overall laboratory skills and safety awareness.</p> <p>SDS-PAGE:</p> <p>Protein Analysis Expertise: Participants acquire hands-on experience in SDS-PAGE, a technique used to separate proteins based on size.</p>	

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					<p>Biomedical Research Support: SDS-PAGE plays a crucial role in protein analysis for medical research, drug development, and disease understanding.</p> <p>Quality Control Assurance: Industries use SDS-PAGE for quality control of protein products, ensuring consistency and purity.</p> <p>Enzyme Characterization: The technique aids in enzyme analysis and characterization, helping researchers understand enzyme properties.</p> <p>Laboratory Skill Advancement: Participants refine skills in gel preparation, electrophoresis, staining, and data interpretation.</p> <p>Both PCR and SDS-PAGE workshops provide practical skills applicable in various fields such as molecular biology, genetics, biotechnology, and medical research. These outcomes empower researchers, students, and professionals with valuable tools to advance their careers and contribute to scientific progress.</p>	
	08/3/2023	Online Quiz Competition on the occasion	47	Online Quiz Competition on the Occasion of Women's Day	Awareness and Education: Participants and the audience gain a better understanding of women's	



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**of Women's
Day**

achievements, history, and contributions.

Promotion of Gender Equality: The quiz raises awareness about gender equality issues, promoting discussions and reflections on the topic.

Empowerment: Highlighting women's achievements and stories can inspire both men and women to break gender stereotypes and pursue their goals.

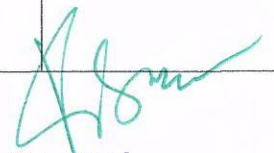
Critical Thinking: Participants engage in thought-provoking questions, enhancing their critical thinking and problem-solving skills.

Promotion of Female Role Models: The quiz highlights contemporary women who serve as role models, inspiring others to pursue their aspirations.

Discussion and Dialogue: The quiz prompts discussions on gender roles, women's rights, and the challenges they face in various spheres.


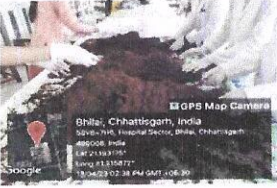
Promotion of Inclusion: The event underscores the importance of inclusivity and diversity, encouraging participation from all genders.

Educational Entertainment: The quiz combines education with entertainment, making the learning process engaging and enjoyable.



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					<p>Inspiration for Change: The quiz can inspire participants to become advocates for gender equality and contribute to positive change.</p> <p>Overall, a quiz competition on Women's Day serves as an engaging platform to celebrate women's accomplishments, educate participants, and promote important discussions about gender equality empowerment.</p>
15/3/2023-15/4/2023	Value Added Course on Production of Biofertilizer	52	Value Added Course Production of Biofertilizer.	<ul style="list-style-type: none"> • Enhanced Agricultural Productivity: Participants can learn to produce biofertilizers containing Rhizobium bacteria, which help fix atmospheric nitrogen in soil, enhancing plant growth and crop yield. • Sustainable Agriculture Practices: Knowledge gained from the course can promote the use of biofertilizers as an eco-friendly alternative to chemical fertilizers, reducing environmental impact. • Soil Health Improvement: Proper use of Rhizobium biofertilizers can improve soil fertility, structure, and nutrient content over time. • Cost Savings for Farmers: Farmers can benefit from reduced fertilizer costs, as biofertilizers can supplement or replace chemical fertilizers. 	 

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• **Nutrient-Rich Crops:** Biofertilizers can lead to healthier crops with higher nutrient content, contributing to improved food quality.

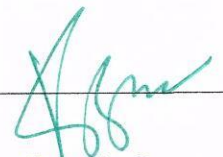
• **Promotion of Legume Cultivation:** Rhizobium bacteria are particularly beneficial for leguminous crops, so the course can encourage the cultivation of these nitrogen-fixing plants.

• **Knowledge Transfer:** Participants can become sources of knowledge in their communities, promoting the adoption of biofertilizers and sustainable farming practices.

• **Entrepreneurship Opportunities:** The course can empower individuals to start small-scale biofertilizers production ventures, catering to local agricultural needs.


• **Reduced Environmental Pollution:** Biofertilizers reduce the risk of nutrient runoff and water pollution associated with excessive chemical fertilizer use.

• **Research and Innovation:** Learners may be inspired to further explore the



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					<p>potential of biofertilizers and contribute to research and innovation in the field.</p> <ul style="list-style-type: none"> • Participation in Agricultural Extension Services: Course participants can become valuable resources for agricultural extension services, educating farmers about the benefits of biofertilizers. • Community Sustainability: Encouraging the use of biofertilizers contributes to the overall sustainability of farming communities and their ecosystems. <p>By imparting the skills and knowledge needed to produce and use Rhizobium-based biofertilizers, this value-added course can play a significant role in promoting sustainable agriculture and improving food security.</p>	
	01/4/2023	Guest Lecture by Dr. A.K. Shrivastava, Govt. D.T. College, Utai	61	Guest Lecture by Dr. A. K. Shrivastava on the topic “Protein Localization”.	<p>Enhanced Learning: Guest lecturers deepen students' understanding of subjects, providing practical insights beyond what's covered in classrooms.</p> <ul style="list-style-type: none"> • Career Readiness: Exposure to industry professionals prepares students for the demands and 	


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expectations of the professional world.

• **Networking Opportunities:**

Interaction with guest speakers can lead to valuable networking connections, internships, and job offers.

• **Critical Thinking:** Students develop critical thinking skills by analyzing and evaluating the insights shared by guest speakers.

• **Motivated Learning:** Engaging talks from experts can motivate students to take a proactive approach to their studies and future careers.

• **Future Directions:** Guest lecturers can guide students in making informed decisions about their academic and career paths.

Overall, guest lecturers play a vital role in enriching students' education, offering them the chance to learn from those who have practical experience in their fields of interest.



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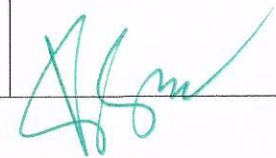
07/4/2023

Advance Instrumentation Central Lab Visit, Kalinga University, Raipur

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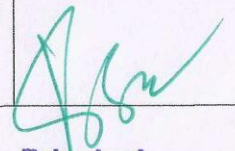
Central Instrumentation Lab Visit in Kalinga University, Raipur

- **Practical Exposure:** Students gain hands-on exposure to advanced laboratory equipment and instruments used in research and analysis.
- **Enhanced Technical Skills:** Interaction with specialized instruments improves students' proficiency in using complex tools relevant to their field.
- **Application of Theory:** Students witness the practical application of theoretical concepts they've learned in their coursework.
- **Research Understanding:** The visit helps students understand how various instruments are used in scientific research, experimentation, and data collection.
- **Real-world Context:** Students can see how instrumental analysis fits into real-world scenarios, including industries and research projects.
- **Problem-solving Skills:** Exposure to the instruments encourages critical thinking and problem-solving, especially when observing data interpretation.



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- **Innovation and Creativity:** Exposure to advanced technology can inspire students to think innovatively and consider new research avenues.
- **Professional Etiquette:** Students learn about lab protocols, safety measures, and professional behaviour within a laboratory setting.
- **Motivation and Aspiration:** The visit can motivate students to excel academically and aspire to work with advanced instrumentation.
- **Project Ideas:** Observing instruments may spark ideas for research projects, experiments, or dissertations.
- **Resume Enhancement:** Visiting a central instrumental lab can be a valuable addition to students' resumes, showcasing their interest in practical learning.
- **Scientific Literacy:** The visit contributes to students' scientific literacy, making them more informed citizens about technological advancements.



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Overall, a central instrumental lab visit enriches students' educational experience, bridges the gap between theory and practice, and prepares them for future careers in scientific research, analysis, and innovation.

12/5/2023

Guest Lecture by Dr. D. K. Shrivastava, Govt. ERR Science College, Bilaspur

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Guest Lecture by Dr. D. K. Shrivastava on the topic "New Education Policy".

- **Enhanced Learning:** Guest lecturers deepen students' understanding of subjects, providing practical insights beyond what's covered in classrooms.
- **Career Readiness:** Exposure to industry professionals prepares students for the demands and expectations of the professional world.
- **Networking Opportunities:** Interaction with guest speakers can lead to valuable networking connections, internships, and job offers.
- **Critical Thinking:** Students develop critical thinking skills by analyzing and evaluating the insights shared by guest speakers.
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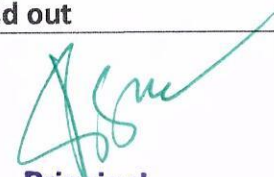
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					<p>decisions about their academic and career paths.</p> <p>Overall, guest lecturers play a vital role in enriching students' education, offering them the chance to learn from those who have practical experience in their fields of interest.</p>	
Home Science	23-05-2022	Exhibition on hand made garments and tie and dyed garments made by students	16	To teach students stitching and dyeing	Help students to become entrepreneur	
	17-08-2022	Demonstration of Dry Cleaning Machine		To teach students working of commercial dry cleaning machine	Help students to develop skill for entrepreneurship	
	12-09-2022 to 30-09-2022	Workshop by pedilite art class	45	To learn new styles of art by pedilite experts	10 students kept their articles in the exhibition of department of H.Sc. during NAAC visit and they got orders of that article and some of them were sold out	 







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	03-12-2022	Demonstration by students	12	To introduce about digital facilities and services and enhancing internet connectivity	India will become digitally empowered society and provide advantage for growing entrepreneur and other facilities	 
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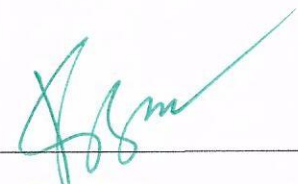
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	03-12-2022	Demonstration by students	12	To introduce about digital facilities and services and enhancing internet connectivity	India will become digitally empowered society and provide advantage for growing entrepreneur and other facilities	 
Zoology	20/08/2022	STUDY OF BIODIVERSITY	18	COLLECTION OF PROTOZOANS, STUDY OF POND ECOSYSTEM	The aim of Biodiversity is to raise an appreciation and deeper understanding of species, ecosystems and the interconnectedness of the living world and thereby avoid the mismanagement, misuse and destruction of biodiversity.	 
	20/08/2022	STUDY OF BIODIVERSITY	18	STUDY OF GRASSLAND ECOSYSTEM	The aim of study of grassland ecosystem student have knowledge about food chain, food web and energy transportation.	




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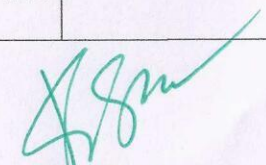
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	18/11/2022	Guest Lecture (Dr. Usha Sahu)	37	Reproductive behavior in animals	Students have knowledge the four stages of reproductive behavior are mate choice, courtship, mating, and parental care. Animals with traits that aid in attracting a partner have a greater likelihood of finding a mate and producing progeny, thus giving them a higher level of evolutionary fitness.	
	5/12/2022	Guest Lecture (Dr. Sanjay Thiske)	18	Types of Microscope	Students have knowledge about principles, types and uses of microscope in field of research.	
	5/12/2022	Guest Lecture (Dr. Sanjay Thiske)	18	Sense Organs of vertebrates	Students have knowledge about different type of sense organ present in vertebrates how they work and controlled by nerve.	
	4/5/2023	Guest Lecture (Dr. Mjid Ali)	32	Gene Structure and its importance	Students have knowledge about genetic structure and function.	



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	07/02/2023	Zoological Excursion Trip	30	STUDY OF fauna Barnavapara (Mahasamund)	Study of natural habitates of animals.	
Computer Science	06.01.2023	Educational Tour	21		<p><u>OUTCOME OF EXCURSION TRIP (SIRPUR)</u></p> <p>Students are tired during internal exam so this trip helps the student for mind refreshing.</p> <p>This trip is knowledgeable for students to connect historical place. The position of Sirpur is at the top of all international famed historical places of South Kosal i.e., present Chhattisgarh. Sirpur, located at the bank of holy Mahanadi river, is completely merged with the cultural and architectural arts. In the old age(at the time of Somavanshiya emperors) Sirpur was known as 'Shripur' and was the capital of South Kosal. Sirpur has very special position in the history of Indian art due to the value of vital and original experimentals as well as religious and spiritual knowledge and science.</p>	



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Dating back to 625-650 AD, the Laxman Temple in Sirpur is one of the most famous structures in the city. It is believed to be one of the best examples of brick temples in India and is dedicated to Lord Vishnu. The intricate carvings on the exterior of the temple make it special. These designs include Lord Vishnu, Krishna Leela symbols, Vaishnava Dwarpal, and pictures bearing resemblance to the famous erotic work as in the Khajuraho Temple. In Sirpur trip students are very enjoyed and get the knowledge for historical places.

09.11.2022
-
15.11.2022




Hardware Exhi
bition

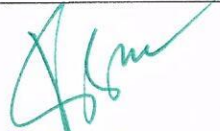
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It provides a platform for the student to use their hardware knowledge. It also allows students to work together in groups and learn from each other. It helps to develop communication skills. Enhance presentation skills. Opportunity for students to showcase their talent.

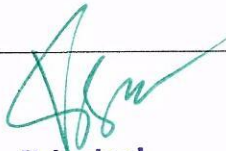






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	17.09.2022	Shri Vishwakarma Puja	85		Machines and tools are worshipped to harbor the prosperity of the institute and are put to rest on this day for smooth functioning in the long run. auspicious for praying growth and success of the institute.	
Commerce	20 th July 2022	45	Carrier Awareness Programme on 'Banking Services and Finance'	Opportunities in Banking and Finance Sector.	Participative (Students awered about different scope available in Banking and Finance Sector)	
	5 th Sep 2022	100	Teacher s day celebrat ion	Sarvepalli Radha Krishnan's Birth Anniversary	Participative Learning	


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	19 th Sep 2022	84	Guest Lecture on the strategy of preparation for CAT/MAT/IBSAT	Awareness about the Management Aptitude Test	Participative Learning	
	29 th and 30 th Sep 2022		Power Point Presentation by Students	Financial Market Operations	Participative Learning	
	20 th October 2022	54	Commencement of TALLY	'GST Training on TALLY'	Participative Learning	
	23 rd feb 2023	182	"Start-up India Policy"	Inspiration to the youth	Participative Learning	


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			under Youth-20 Summit			
	2 nd May 2023	23	"Lecture by Alumini "	Motivational Lecture	Experiential & Participative Learning	
	3 rd May 2023 to 4 th May 2023	280	National Seminar	Financial Awareness for women	Experiential & Participative Learning	
	6 th May 2023	131	Faculty Development Programme	Investment Planning	Experiential & Participative Learning	


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