



# 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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## 2.2.1 For Advance learners

Departments	Date/Year	Method Adopted for Advance learners	No. of participants	Objectives	Learning outcomes	Photo proof/ News
Botany	20/04/2023	Power point presentation	18 MSc 3 semester	To enhance their knowledge about subject (Botany)	Learned about subject	
	21/04/2023	Power point presentation	20 MSc 1 semester	To enhance their knowledge about subject (Botany)	To enhance their knowledge about subject (Botany)	

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10/2/24




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Mathematics	29/01/2023	Madhava Mathematics Competition 2023	45	To preparing students for entrance exam for higher studies in MATHEMATICS	To develop problem solving ability amongs the students	
						

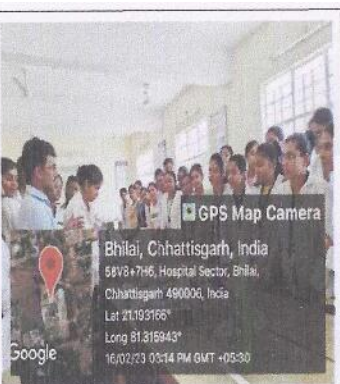
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	05/05/2023	Educational Tour	17	They came to know the glorify prosperity, authentic Culture, Traditional Values		 
Education	6-4-2023 to 25-4-2023	Teaching for teacher eligibility test	63	To provide qualified and quality teacher in government and other school	Attain harmonious development	

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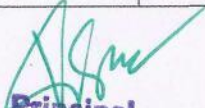
Biotechnology	16/2/23	One Day Workshop on PCR and SDS Page	55	HAND'S ON TRAINING PCR & SDS PAGE	<p><b>PCR:</b></p> <ul style="list-style-type: none"> <li>• <b>Molecular Techniques Mastery:</b> Participants gain practical skills in PCR, an essential molecular biology technique used in DNA amplification and analysis.</li> <li>• <b>Genetic Research Empowerment:</b> Knowledge of PCR enables researchers to amplify specific DNA sequences, supporting genetic research and diagnostics.</li> <li>• <b>Diagnostic Applications:</b> Participants learn how PCR is used in medical diagnostics, such as identifying pathogens or detecting genetic mutations.</li> <li>• <b>Forensic Science Understanding:</b> PCR's role in forensic DNA analysis is highlighted, demonstrating its significance in solving criminal cases.</li> <li>• <b>Biotechnology Proficiency:</b> PCR is a cornerstone of biotechnology processes like genetic engineering and recombinant DNA technology.</li> <li>• <b>Laboratory Techniques Improvement:</b> Participants learn precision techniques, enhancing their overall laboratory skills and safety awareness.</li> </ul> <p><b>SDS-PAGE:</b></p> <ul style="list-style-type: none"> <li>• <b>Protein Analysis Expertise:</b> Participants acquire hands-on experience in SDS-PAGE, a technique used to separate proteins based on size.</li> <li>• <b>Biomedical Research Support:</b> SDS-PAGE plays a crucial role in protein analysis for</li> </ul>	
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					<p>medical research, drug development, and disease understanding.</p> <ul style="list-style-type: none"> <li>• <b>Quality Control Assurance:</b> Industries use SDS-PAGE for quality control of protein products, ensuring consistency and purity.</li> <li>• <b>Enzyme Characterization:</b> The technique aids in enzyme analysis and characterization, helping researchers understand enzyme properties.</li> <li>• <b>Laboratory Skill Advancement:</b> Participants refine skills in gel preparation, electrophoresis, staining, and data interpretation.</li> </ul> <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>	
	08/3/23	<b>Online Quiz Competition on the occasion of Women's Day</b>	47	<b>Online Quiz Competition on the Occasion of Women's Day</b>	<ul style="list-style-type: none"> <li>• <b>Awareness and Education:</b> Participants and the audience gain a better understanding of women's achievements, history, and contributions.</li> <li>• <b>Promotion of Gender Equality:</b> The quiz raises awareness about gender equality issues, promoting discussions and reflections on the topic.</li> <li>• <b>Empowerment:</b> Highlighting women's achievements and stories can inspire both men and women to break gender stereotypes and pursue their goals.</li> </ul>	

  
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• **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.

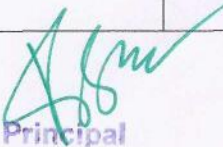
• **Discussion and Dialogue:** The quiz prompts discussions on gender roles, women's rights, and the challenges they face in various spheres.

• **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.

• **Inspiration for Change:** The quiz can inspire participants to become advocates for gender equality and contribute to positive change.

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.



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07/4/23

**Advance Instrumentation  
Central Lab Visit,  
Kalinga University,  
Raipur**

25

**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.
- **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.



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- |  |  |  |  |   |  |
|--|--|--|--|---|--|
|  |  |  |  | <ul style="list-style-type: none"><li>• <b>Project Ideas:</b> Observing instruments may spark ideas for research projects, experiments, or dissertations.</li><li>• <b>Resume Enhancement:</b> Visiting a central instrumental lab can be a valuable addition to students' resumes, showcasing their interest in practical learning.</li><li>• <b>Scientific Literacy:</b> The visit contributes to students' scientific literacy, making them more informed citizens about technological advancements.</li></ul> |  |
|--|--|--|--|---|--|

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.



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Home Science	2022-23	<ul style="list-style-type: none"> <li>.Discussion</li> <li>.Problem solving</li> <li>.jig saw puzzle</li> <li>. personal contact classes</li> <li>. extra assignments</li> <li>. issuing books from reference section</li> <li>. guidance and assistance for competitive exams</li> <li>. sharing special notes</li> </ul>	3	<ul style="list-style-type: none"> <li>.To develop their personal, intellectual and professional abilities</li> <li>. to develop positive attitude towards learning</li> </ul>	<p>Need based personal, academic, psychological and career counseling is done for both slow and advanced learners. Students were benefitted with improvement of marks in university exam and participation in various competitions.</p> <p>3 of our students qualified the competitive exams and admitted for higher studies in ahemdabad, pune and banglore</p> <div style="text-align: center;">   <b>Principal</b>          Ethilal Mahila Mahavidyalaya          Hospital Sector, Bhilai, Durg (C.G.)       </div>
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individualized instruction - using audio visual aids

Zoology

28/12/23

Presentations

4

Improve student personally development

Students have confidence in themselves and have the ability to represent themselves.



Computer Science

22.10.2022

Additional mentoring sessions are organized,

MOOCs are offered to students so that their existing knowledge may be enhanced.,

Assistance/guidance for participation

10




Students can take up higher level learning and academic responsibilities.

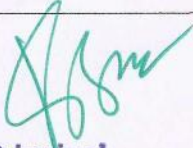
The above steps are showing positive results by way of an improvement in the overall performance and confidence level of students who need special help and assistance. Their overall SGPA and the overall performance is surely paying off.





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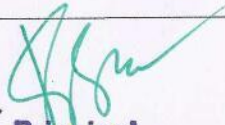
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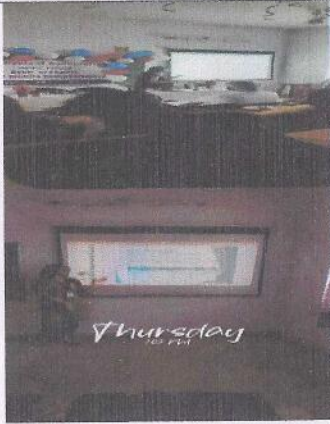
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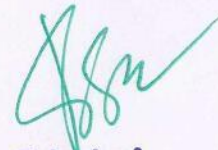
		in national level competitions				
Commerce	20 <sup>th</sup> July 2022	Carrier Awareness Programme on 'Banking Services and Finance'	45	Opportunities in Banking and Finance Sector.	Participative (Students awered about different scope available in Banking and Finance Sector)	
	19 <sup>th</sup> Sep 2022	Guest Lecture on the strategy of preparation for CAT/MA T/IBSAT	84	Awareness about the Management Aptitude Test	Participative Learning	
	29 <sup>th</sup> and 30 <sup>th</sup> Sep 2022	Power Point Presentati on by Students	21	Financial Market Operaions	Participative Learning	

  
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	20 <sup>th</sup> October 2022	Commencement of TALLY	54	'GST Training on TALLY'	Participative Learning	
	23 <sup>rd</sup> feb 2023	"Start-up India Policy" under Youth-20 Summit	182	Inspiration to the youth	Participative Learning	
	2 <sup>nd</sup> May 2023	"Lecture by Alumini"	23	Motivational Lecture	Experiential & Participative Learning	
	3 <sup>rd</sup> May 2023 to 4 <sup>th</sup> May 2023	National Seminar	280	Financial Awareness for women	Experiential & Participative Learning	

  
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	6 <sup>th</sup> May 2023	Faculty Developm ent Programm e	131	Investment Planning	Experiential & Participative Learning	
Physics	28.12.22	Presentatio n	8	To enhance the capacity building and personality of the student	Students get to know about Semiconductor Devices, their properties, use and advantages in real time.	



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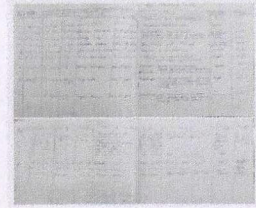
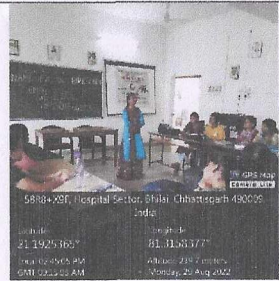
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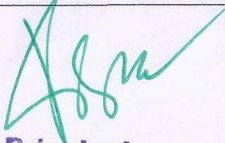
website : www.bmmbhilai.com



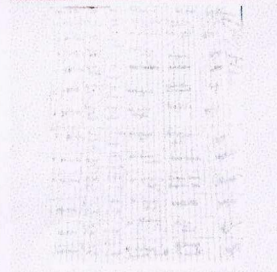
Email : bmmprnci19@gmail.com

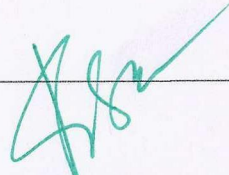
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## 2.2.1 For Slow Learners

Departments	Date/Year	Method Adopted for slow learners	No. of participants	Objectives	Learning outcomes	Photo proof/News
Botany	2022-23	Special class	21	To enhance their knowledge about subject (Botany)	Learned about subject and how to prepare for exam	
	29-08-2022	Guest lecture by Alumni Bharti Sen	37	To enhance their knowledge about subject (Botany)	Learned about subject and how to prepare for exam	

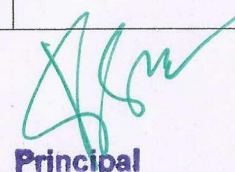
  
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	01-09-22	Guest lecture by Alumni Jyoti Sungaria	38	To enhance their knowledge about subject (Botany)	Learned about subject and how to prepare for exam	
Mathematics	2022-23	SPECIAL CLASSES	44	To providing students a comfortable environment for basic skills such as group activities, oral activities	To develop problem solving ability amongs the students	
Education	2022-23	Remedial classes	59	To make a remedy on an existing learning issue that hinders the progress and development of learner's needed competencies and	A remedial educator can assist the students by teaching the fundamental strategies can improve their learning	



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				learning objectives	
Biotechnology	18/11/23	Industrial Visit- SRT Agro Chemical, Patan	114	To Enculcate Scientific Temperament and Team Work among the students.	<p>Industrial visits for college students offer several important benefits and outcomes:</p> <ul style="list-style-type: none"> <li>•<b>Practical Exposure:</b> Industrial visits provide students with real-world exposure to the operations, processes, and technologies used in various industries. This bridges the gap between theoretical knowledge and practical application.</li> <li>•<b>Industry Insights:</b> Students gain insights into the functioning of different industries, allowing them to understand the challenges, trends, and opportunities in their chosen field of study.</li> <li>•<b>Networking Opportunities:</b> Industrial visits enable students to interact with professionals, managers, and experts in the industry. This networking can lead to potential internships, job opportunities, and mentorship.</li> <li>•<b>Career Clarity:</b> Students can observe different job roles and responsibilities within the industry, helping them make informed decisions about their future career paths.</li> </ul>

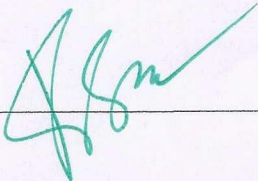


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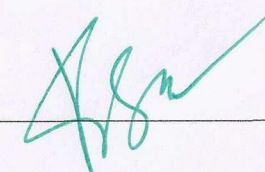


				<ul style="list-style-type: none"><li>•<b>Innovation and Creativity:</b> Exposure to innovative processes and technologies can spark students' creativity and inspire them to think critically about problem-solving.</li> <li>•<b>Motivation and Inspiration:</b> Witnessing successful industrial operations can motivate students to strive for excellence in their studies and future careers.</li> <li>•<b>Practical Knowledge:</b> Students gain practical insights into industry practices, production processes, quality control, and more.</li> <li>•<b>Skill Enhancement:</b> Observing machinery, equipment, and operations can enhance technical skills relevant to their field of study.</li> <li>•<b>Project and Research Ideas:</b> Students may identify potential project topics, research questions, or innovations based on their observations during the visit.</li> <li>•<b>Confidence Boost:</b> Interaction with industry experts and professionals boosts students' confidence in their knowledge and abilities.</li> <li>•<b>Industry Awareness:</b> Students become more informed about the industry's contribution to the economy, job opportunities, and market trends.</li></ul>	
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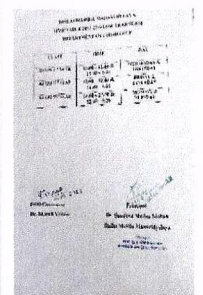


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				<p>•<b>Holistic Development:</b> Industrial visits contribute to the holistic development of students by combining academic learning with real-world experience.</p> <p>Overall, industrial visits play a crucial role in enriching students' education, preparing them for their future careers, and fostering a deeper understanding of how theoretical knowledge is applied in practical settings.</p>	
01/4/23	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><b>Enhanced Learning:</b> Guest lecturers deepen students' understanding of subjects, providing practical insights beyond what's covered in classrooms.</p> <ul style="list-style-type: none"> <li>• <b>Career Readiness:</b> Exposure to industry professionals prepares students for the demands and expectations of the professional world.</li> <li>• <b>Networking Opportunities:</b> Interaction with guest speakers can lead to valuable networking connections, internships, and job offers.</li> <li>• <b>Critical Thinking:</b> Students develop critical thinking skills by analyzing and evaluating the insights shared by guest speakers.</li> <li>• <b>Motivated Learning:</b> Engaging talks from experts can motivate students to take a proactive approach to their studies and future careers.</li> <li>• <b>Future Directions:</b> Guest lecturers can guide students in making informed</li> </ul>	





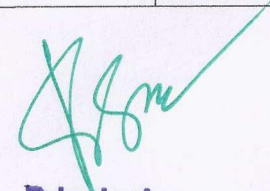
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					<p>decisions about their academic and career paths.</p> <p>Overall, guest lecturers play a vital role in enriching students' education, offering them the chance to learn from those who have practical experience in their fields of interest.</p>	
Home Science	2022-23	<p>.Peer- tutoring</p> <p>.Doing small task</p> <p>.Using audio visual aids</p> <p>.Reading aloud</p> <p>.Parental counselling</p>	11	To develop interest towards learning	Students become faster in learning their syllabus	
Computer Science	08.03.2023	Schedule for extra classes is prepared for remedial sessions.	01	The above steps are showing positive results by way of an improvement	Result Of PGDCA I SEM – 52% PGDCA I SEM – 55.4%	
Commerce	2022-23	Remedial Classes	B.com Part-I B.com Part-II B.com Part-III	To Provide additional classes for the slow learners of different classes & subjects and make them to improve their performance in the end of examination.	All the teachers/mentors from various subjects of commerce provided study material in different forms to slow as well as advanced learners on WhatsApp group as well as in physical classes. As the Internal examination results, students were benefited. It help them to proceed towards confidence building an overall personality development.	

  
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
						 
Physics	21/8/22	Class Room Teaching	17	To Make students know about LASER, its type ,uses and applications	The concept regarding the topic of students is cleared and they gain confidence in knowing about the topic versely.	NIL

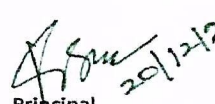


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**TIME TABLE FOR SLOW LEARNER**  
**Mathematics Department**  
**Session : 2022-23**

	12:40 - 1:30	2:30-3:10	3:10 - 3:50
MONDAY		B.Sc I & B.Sc II	BCA I
TUESDAY		B.Sc I & B.Sc II	BCA I
WEDNESDAY	B.Com I	B.Sc II & B.Sc III	BCA II
THURSDAY	B.Com I	B.Sc II & B.Sc III	BCA II
FRIDAY		B.Sc I & B.Sc III	BCA III
SATURDAY		B.Sc I & B.Sc III	BCA III

  
H.O.D.  
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