



# Khatra Adibasi Mahavidyalaya


Khatra :: Bankura :: West Bengal

## Department of Chemistry

### Plan of Actions and Achievement

Academic Year: 2023-24



Sl . No.	Plan of Action	Details of the Plan	Achieved or not	Reason/ Remarks
1	Orientation or Induction Programme	<p><b>Introduction:</b> The Departments of Chemistry, Physics, Mathematics, Economics, and Geography at Khatra Adibasi Mahavidyalaya jointly organized an induction program for newly admitted students from all Science departments on August 9th and 10th, 2023, held at the college's Language Laboratory.</p> <p>The induction program successfully introduced the freshers to the vibrant academic and extracurricular life at Khatra Adibasi Mahavidyalaya. The diverse range of activities ensured that the students were well-oriented and felt welcomed into the college community. Feedback from the participants indicated a high level of satisfaction and enthusiasm for the upcoming academic year.</p> <p><b>Details of Activities:</b></p> <ul style="list-style-type: none"> <li>• Introduction by the Principal</li> <li>• Overview of the College and Department</li> <li>• Dissections about different Scholarship for the students</li> <li>• Address by Heads of Departments</li> <li>• Interactive session with senior students</li> <li>• Career Guidance</li> </ul> <p><b>NEP Syllabus Pattern:</b> It includes an overview of the curriculum, emphasizing the National Education Policy (NEP) syllabus pattern, evaluation methods like Cumulative Grade Point Average (CGPA) and Semester Grade Point Average (SGPA), and information on the feedback mechanism for continuous improvement.</p> <p><b>Extra-Curricular Activities:</b> Students were introduced to various clubs, societies, and cultural events, fostering a sense of community and encouraging participation beyond the academic realm. The program encompasses various social activities organized through National Service Scheme (NSS) and National Cadet Corps (NCC), along with extracurricular and cultural events to encourage holistic development.</p> <p><b>Campus Tour:</b></p> <p><b>Lab Visit:</b> Introduction to Laboratory Facilities and Equipment</p> <p><b>Library Visit:</b> Orientation on Library Resources and Services</p> <p><b>Campus Tour:</b> Guided Tour of Campus Facilities, including Hostels, Canteen, Sports Complex, and Administrative Offices</p> <p><b>Laboratory Safety:</b> Training on Basic Laboratory Safety and Protocols</p>	Yes	<p>Orientation Programme Conducted on 9<sup>th</sup> &amp; 10<sup>th</sup> August, 2023</p> <p><b>Link:</b>  <a href="https://kamv.ac.in/dept_catg/1727940637_Academic%20Activities%202023-24%20final_compressed.pdf">https://kamv.ac.in/dept_catg/1727940637_Academic%20Activities%202023-24%20final_compressed.pdf</a></p> 

2	Curriculum Module Allocation	<p>a) The department adheres to the curriculum and syllabus outlined by the affiliating university (Bankura University). Each semester's syllabus is organized into modules, ensuring that the prescribed syllabus is covered thoroughly. Topics are taught according to the allocated credits for each.</p> <p>b) The division of syllabus into modules and the unitization of syllabus are meticulously planned prior to the start of classes, and they are implemented in a systematic manner.</p> <p>c) Additionally, Course Outcomes, Program Outcomes, and Program Specific Outcomes are formulated as part of the academic framework.</p>	<p>Yes</p> <p><b>(Annexures 1)</b></p> <p><b>Syllabus Module</b></p> <p>(Link: <a href="https://kamv.ac.in/dept_contents.php?id=13&amp;item_id=2">https://kamv.ac.in/dept_contents.php?id=13&amp;item_id=2</a>)</p> <p><b>CO &amp; PO</b></p> <p>(Link: <a href="https://kamv.ac.in/course_outcome.php">https://kamv.ac.in/course_outcome.php</a>)</p>	<p>Distribution of the class routine &amp; Syllabus Module for 1<sup>st</sup>, 3<sup>rd</sup> and 5<sup>th</sup> Semesters was done at Departmental Meeting held on <b>25.07.2023</b>.</p> <p>Departmental meeting regarding the distribution of syllabus of the 2<sup>nd</sup>, 4<sup>th</sup> and 6<sup>th</sup> Semester was held on <b>11/03/2024</b>.</p> <p>Assigning the mentors to the newly admitted students of 2023-24 session done at departmental meeting held on <b>31.08.2023</b>.</p>
3	Maintenance of Students Attendance Register	Attendance is recorded daily in the Student Attendance Registers.	Yes	
4	Continuous Assessment of Students	The department conducts continuous assessment through various methods including written class tests and verbal assessments. Internal assessment examinations take the form of assignments and viva-voce interviews.	Yes	<p>Internal Examination of Semesters- III &amp; V started on and from 15/12/2023 to 18/12/2023 and for 1<sup>st</sup> semester was held from 05/02/2024 to 06/02/2024.</p> <p>Internal Examination of Semesters- II, IV &amp; VI Started on &amp; from 17/05/2024 to 18/05/2024.</p>
5	Completion of syllabus	<p>The syllabus for all courses in the undergraduate program is completed within the allocated time frame.</p> <p style="text-align: center;"><b>Class opening:</b></p> <p>1<sup>st</sup> Semester: 01/08/2023 3<sup>rd</sup> &amp; 5<sup>th</sup> Semester: 31/08/2023</p> <p>2<sup>nd</sup>, 4<sup>th</sup> &amp; 6<sup>th</sup> Semester: 22/03/2024</p>	Yes	<p>The syllabus for all undergraduate program courses is almost covered within the stipulated time period each semester.</p> <p>1<sup>st</sup>, 3<sup>rd</sup> &amp; 5<sup>th</sup> semester almost 95% of the syllabus was completed on 24<sup>th</sup> February 2024 And almost 90% syllabus was completed for 2<sup>nd</sup>, 4<sup>th</sup> and 6<sup>th</sup> semester on July 8<sup>th</sup> 2023.</p>

6	Result Analysis	Result analysis is conducted based on the result sheets provided by the University. After a thorough examination of the results, students are provided with guidance on areas for improvement in preparation for the University examinations.	Yes (Annexure 2 stating result analysis of Semester VI are attached)	
7	Remedial Classes	Remedial classes are organized each semester based on suggestions put forth by students, who identify topics requiring special attention. During these sessions, evaluated answer scripts are sometimes showcased to students, aiding in their self-analysis and fostering a deeper understanding of the subject matter.	Yes	Through ERP
8	Students Support Facilities	<ul style="list-style-type: none"> <li>• Spacious airy clean classrooms</li> <li>• Clean and maintained toilets</li> <li>• Clean drinking water facilities</li> <li>• Concessions and free-ship to economically weak students.</li> <li>• Ragging free campus</li> <li>• Free wifi facilities</li> <li>• Career guidance</li> <li>• Curricular and extra-curricular activities</li> <li>• NCC training opportunity</li> <li>• Sports and Gym facilities</li> <li>• Library and Labs</li> <li>• Merit-based scholarships</li> </ul>	Yes	
9	Library Facilities	<ul style="list-style-type: none"> <li>• Central Library is a rich storehouse of primary and secondary resources.</li> <li>• The central library is automated and students have bar-coded library cards.</li> <li>• The central library has a spacious reading hall.</li> </ul>	Yes	
10	Student Seminar	<p>Student seminars are organized with the objectives of: a) Extending ken of knowledge in the domain of literature. b) Enhancing students' communication skills. b) Boosting their confidence levels. c) Developing their presentation abilities. d) Helping them overcome the fear of public speaking.</p> <p>Seminar topics is based on syllabus.</p>	Yes	Link: <a href="https://kamv.ac.in/dept_catg/1727940637_Academic%20Activities%202023-24%20final_compressed.pdf">https://kamv.ac.in/dept_catg/1727940637_Academic%20Activities%202023-24%20final_compressed.pdf</a>
11	Co-curricular Activities	Students of the department participate in various co-curricular activities such as Quiz contest, participation in seminar on science topic in our college along with other MoU colleges.	Yes	Students of the department participated in various cultural programmes held in the college
12	Students Feedback	Feedback is collected from students regarding individual teachers and is carefully analyzed for future improvement purposes.	Yes	Link: <a href="https://kamv.ac.in/student_feedback.php">https://kamv.ac.in/student_feedback.php</a>

1 3	Research & Publications	Faculty members are consistently involved in publishing papers, contributing to book chapters, and presenting papers in seminars.	Yes (Annexure 3 stating departmental publications in the session 2023-2024 is attached)	
1 4	Developing E-Content	Faculty members upload e-notes to the Study Materials Section of the College ERP, providing students with free access to study materials. Additionally, essential e-materials covering important topics are made available on the college website for students' convenience.	Yes	Link: <a href="https://kamv.ac.in/e_materials.php">https://kamv.ac.in/e_materials.php</a>
1 5	Perspective Plan	5 years Perspective Plan is framed after discussion in departmental meeting with suggestions from student's representative and IQAC Coordinator	Yes (Annexure 4) Perspective Plan is attached	Link: <a href="https://kamv.ac.in/dept_contents.php?did=13&amp;item_id=11">https://kamv.ac.in/dept_contents.php?did=13&amp;item_id=11</a>

## Annexures 1

### 1. Allocation and CO, PO respectively are attached

Link: [https://kamv.ac.in/course\\_outcome.php](https://kamv.ac.in/course_outcome.php)

### 2. Syllabus Module:

Link: [https://kamv.ac.in/dept\\_contents.php?did=13&item\\_id=2](https://kamv.ac.in/dept_contents.php?did=13&item_id=2)

## Annexure 2

### Result Analysis of Chemistry Department for the session 2023- 2024

Name	Semester	Student ID	CGPA	Phone Number
SUPRIYO MANDA	Semester VI	21113114001	<b>7.09</b>	8653097419
SUBHAJIT RAY	Semester VI	21113114002	<b>7.70</b>	8927916206
MANIDIPA SINGHA MAHAPATRA	Semester VI	21113114003	<b>7.62</b>	9635946708



2023-24

Annexure 3: Research & Publications

Faculty Name	Name of journal	ISSN number Link to website of the Journal	Impact Factor	Link to website of the Journal	Link to article / paper / abstract of the article	Is it listed in UGC Care list
Dr. Swarup Kumar Maji & Dr. Ramakanta Mondal	ACS Applied Nano Materials	2576-6422	5.9	<a href="https://pubs.acs.org/journal/aanmf6">https://pubs.acs.org/journal/aanmf6</a>	<a href="https://pubs.acs.org/doi/abs/10.1021/acsnm.4c00325">https://pubs.acs.org/doi/abs/10.1021/acsnm.4c00325</a>	Yes
Dr. Swarup Kumar Maji	ACS Applied Nano Materials	2470-1343	5.9	<a href="https://pubs.acs.org/journal/aanmf6">https://pubs.acs.org/journal/aanmf6</a>	<a href="https://pubs.acs.org/doi/abs/10.1021/acsnm.2c05129">https://pubs.acs.org/doi/abs/10.1021/acsnm.2c05129</a>	Yes



## Perspective Plan of the Department 2023-24 onwards

The prospective development of the Department of Chemistry at Khatra Adibasi Mahavidyalaya revolves around a comprehensive approach to student enrichment through both curricular and various student-oriented activities. The following points outline our perspective plan for the enhancement and growth of the department, aligning with the overarching goal of holistic student development:

1. **Extension and Upgradation of Library:** To take step for making well equipped and advanced laboratory for better practical sessions.
2. **State and National Level Seminars:** Organize State and National Level Seminars sponsored by various funding agencies.
3. **Research Facility:** Enhance the research facility and actively engage students in upcoming research projects.
4. **Expert Guest Lectures:** Conduct guest lectures featuring experts from diverse branches of Chemistry, fostering interdisciplinary knowledge and exposing students to a broader spectrum of the subject.
5. **Research Exposure for Students:** Provide students with hands-on experience through small research projects and paper presentations, encouraging a culture of inquiry and academic exploration.
6. **ICT-Enabled Teaching Methods:** Integrate more Information and Communication Technology (ICT) enabled teaching methods.
7. **Certificate Courses:** Introduce research skill enhancement certificate courses related to Project writing, PPT/poster presentation, Excell/Origin software, Python programming, etc.
8. **Internship Opportunities in Nearby Industries.:** Internship Courses in Neighbouring Industry: To make arrangements so that our students are permitted to conduct internship courses in neighboring industries.
9. **Collaborative Academic Ventures:** Engage in collaborative ventures with other institutions under MoU, including joint publication books or journals, organizing seminars, invited lectures, and preparing course modules.
10. **Faculty Development and Research:** Motivate faculty members to pursue research and publication, encouraging their participation in seminars, workshops, faculty development programs, orientation, and refresher courses.

This comprehensive perspective plan underscores our commitment to fostering an enriching academic environment, where students are not only well-versed in the theoretical aspects of Chemistry but also equipped with practical skills and a holistic development approach.

