



# Khatra Adibasi Mahavidyalaya

Khatra :: Bankura :: West Bengal

## Department of Chemistry

### Plan of Actions and Achievement

Academic Year: 2022-23



## Plan of Action and Achieved of Chemistry Department for the session 2022-2023

Sl. No.	Plan of Action	Details of the Plan	Achieved or not	Reason/ Remarks
1	Orientation or Induction Programme	<p>a) <b>Introduction:</b> The orientation program aims to familiarize students with the college environment, including its facilities such as the hostel, labs, library, and gymnasium. It also provides a brief overview of the college website.</p> <p>b) <b>Scholarships and Financial Aid:</b> The importance of scholarships and financial aid programs was highlighted during a session dedicated to informing students about available opportunities. Details regarding eligibility criteria, application procedures, and deadlines were provided to ensure that deserving students could benefit from these</p> <p>c) <b>CBCS Syllabus Pattern:</b> It includes an overview of the curriculum, emphasizing the Choice Based Credit System (CBCS) 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>d) <b>Extra-Curricular Activities:</b> Recognizing the importance of holistic development, the induction programme incorporated a segment on extra-curricular activities. 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>e) <b>Campus Tour:</b> A guided campus tour was organized to familiarize students with the college's infrastructure. This included visits to academic blocks, laboratories, the library, recreational areas, and administrative offices. The objective was to make students comfortable with the campus layout and facilitate a smooth transition into their academic journey.</p>	Yes	<p style="text-align: center;">Orientation Programme Conducted on 28/09/2022 to 05/10/2022</p> <p style="text-align: center;"><b>Link:</b></p> <p style="text-align: center;"><a href="https://kamv.ac.in/dept_catg/1715427799_Academic%20Activities%202022-23%20final.pdf">https://kamv.ac.in/dept_catg/1715427799_Academic%20Activities%202022-23%20final.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>(Annexures 1) Allocation and CO, PO respectively are attached</p> <p>Link:  <a href="https://kamv.ac.in/co_po/1717490555_CO%20&amp;%20PO%20Chemistry-2022-23.pdf">https://kamv.ac.in/co_po/1717490555_CO%20&amp;%20PO%20Chemistry-2022-23.pdf</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 01.08.2022. 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 08/02/2023.</p> <p>Assigning the mentors to the newly admitted students of 2022-23 session done at departmental meeting held on 02.09.2022.</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- I, III &amp; V started on and from 10/11/2022 to 17/11/2022</p> <p>Internal Examination of Semesters- II, IV, VI Started on &amp; from 03.05.2023- 08/05/2023</p>

5	Completion of syllabus	The syllabus for all courses in the undergraduate program is completed within the allocated time frame.	Yes	The syllabus for all undergraduate program courses is covered within the stipulated time period each semester, achieving 95% completion. 5 <sup>th</sup> semester classes began on 02/08/2022, and more than 90% theory syllabus was completed and around 80% practical syllabus was completed. 6 <sup>th</sup> semester classes began on 21/03/2023, and almost 95% theory and 80% practical syllabus was completed.
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 <b>(Annexure 2</b> 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	Remedial classes of Semester V taken on 1 <sup>st</sup> December 2022 to 20 <sup>th</sup> December 2022.  Remedial classes of Semester VI taken on 4 <sup>th</sup> June 2023 to 20 <sup>th</sup> June 2023

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>• Prize Awarded as encouragement to achievers in studies or sports</li> </ul> <p>Merit-based scholarships</p>	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 may be based on departmental syllabi or interdisciplinary areas, encouraging participation from students of various departments.</p>	Yes	
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	
13	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 2022-2023 is attached)	
14	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	

15	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 stating the Perspective Plan is attached)	
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## Annexures 1

Allocation and CO, PO respectively are attached

Link:

[https://kamv.ac.in/co\\_po/1717490555\\_CO%20&%20PO%20Chemistry-2022-23.pdf](https://kamv.ac.in/co_po/1717490555_CO%20&%20PO%20Chemistry-2022-23.pdf)

## Annexure 2

### Result Analysis of Chemistry Department for the session 2022- 2023

Name	Semester	Student ID	Percentage	Current Position	Phone Number
Joydeep Mandal	Semester VI	20111114005	<b>7.82</b>	B.Ed. In Swarajnagar Teachers Training College	8167650721
Rudra Layek	Semester VI	20113114001	<b>9.05</b>	M.Sc in Bankura University	6290078278
Himalaya Singhamahapatra	Semester VI	20113114003	<b>7.98</b>	Preparation for Competitive Exam	8942907900
Santanu Bid	Semester VI	20113114004	<b>7.93</b>	WB Police	8617544839

### Annexure 3: Research & Publications

Faculty Name	Name of journal	ISSN number	Link to website of the Journal	Link to article / paper	Is it listed in UGC Care list
Dr. Swarup Kumar Maji	ACS Applied Nano Materials	2574-0970	<a href="https://www.scopus.com/sourceid/21100914527">https://www.scopus.com/sourceid/21100914527</a>	<a href="https://pubs.acs.org/doi/10.1021/acsanm.2c05129">https://pubs.acs.org/doi/10.1021/acsanm.2c05129</a>	Yes

**Grants received from Government and non-governmental agencies for research projects/endowments in the institution during the last five years (INR in Lakhs)**

Year	Name of the Funding Agency	Name of the Research Project/Endowments	Duration of the Project	Amount Sanctioned
2023	SCIENCE & ENGINEERING RESEARCH BOARD (SERB)	Direct Plasmon-Enhanced Electrocatalysis by Plasmonic-Semiconductor@2-D Nanosheet for Biosensing of Crucial Molecules and Cancerous Cells	3 Years	22.55 Lakhs

### Annexure 4:

### Perspective Plan of the Department

Link: [https://kamv.ac.in/dept\\_contents.php?did=13&item\\_id=11](https://kamv.ac.in/dept_contents.php?did=13&item_id=11)