



# Khatra Adibasi Mahavidyalaya

Khatra, Bankura, West Bengal

Department of Mathematics

Academic Audit: 2020-2021



## Academic Audit: - Department of Mathematics

Period of Audit: 2020-2021

### I - COLLEGE PROFILE (To be filled in by the IQAC Coordinator)

1	Name of the Department, Website, email and Ph. No.	Department: Mathematics Phone no: 9614804084	E-mail: <a href="mailto:aikbalin@gmail.com">aikbalin@gmail.com</a>			
2	Name of the HOD, email & Mob. No.	Name: Dr. Md. Asif Ikbali Mobile No: 9614804084	E-mail: <a href="mailto:aikbalin@gmail.com">aikbalin@gmail.com</a>			
3	Name of the IQAC Coordinator, email & Mob. No.	Name: Dr. Dr. Alok Bhowmik Mobile No: 8910120338	E-mail: : <a href="mailto:aloke.b05@rediffmail.com">aloke.b05@rediffmail.com</a>			
4	Year of Establishment/ Year of Affiliation	2008 (started B.Sc. General), 2012 (started B.Sc. Honours )				
5	NAAC Grade with Cycle, Accredited Year (if not Accredited Status of Preparations)	Grade B+ (2.64) Cycle 2, 2016				
6	UGC Recognition (2F & 12 B)	YES				
7	Departmental Working Hours (if shift system, mention details of both shifts & give reasons for shift system)	10.00 a.m-5.00 p.m (Monday to Saturday)				
8	No. of Posts Sanctioned for the Department and Present Strength of the Department: (Annexure 1)		Govt. Approved Sanctioned teaching post	Present strength		
		Full time Teacher:	02	02		
		Govt. approved SACT:	02	02		
		Invitee Lecturer:	NA	Nil		
9	Course wise & Year wise <b>enrolled</b> Students- strength particulars	No. of Students [Honours] +	Year	1 <sup>st</sup> year	2 <sup>nd</sup> year	3 <sup>rd</sup> year
			20-21	[ 09 ] + { 01 }	[ 08 ] + { 01 }	[ 07 ] + { 00 }



Course wise & Year wise <u>passed</u> Students- strength particulars	{General/ Program me}	20-21	[ 10 ] + { }	[ 09 ] + { }	[ 07 ] + { }
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II-CURRICULAR ASPECTS (with Attachments)		Session	Statement	Impression/Recommendation/ Remark by Academic Advisors	Status
1	Departmental Annual Curricular Plans	2020-21	<p>The department follows the curriculum and syllabus as prescribed by the affiliating university (Bankura University). In each semester the syllabus is distributed in modules and the stipulated syllabus is completed, and the topics are taught as per the credits allocated to each topic.</p> <p>Distribution of syllabus in modules and unitization of syllabus were prepared well before the commencement of classes and executed in a planned and systematic manner (<b>Annexure 2</b>).</p> <p>Departmental meetings regarding the distribution of the syllabus of odd Semesters was held on 19/08/2020 in online mode.</p> <p>Departmental meeting regarding the distribution of the syllabus of even Semester was held on 04/05/2021 in online mode.</p> <p>Departmental meeting was held on 18/08/2020, regarding mentorship distribution, in online mode.</p> <p>PO, CO &amp; PSO were also formulated (<b>Annexure 3</b>).</p>		





2	Departmental Activities and Records of students' and Teachers' participation for the Academic Year	20-21	<p>Every activity is recorded such as Orientation Programme, Departmental meetings, Departmental Seminar, Student-Seminar, Class Tests, Meetings of Mentors with the mentees etc.</p> <p>Orientation Programme was held on 21/09/2020 in online mode.</p> <p>Departmental meetings were held on 19/08/2020, 18/08/2020 and 04/05/2021 in online mode.</p> <p>Internal examination of odd Semester students was held on 27/02/2021 in online mode through college ERP. Internal examination of even Semester students was held on 29/06/2021 in online mode through college ERP.</p> <p>A one day webinar was organised by the department, together with the departments of Physics and Chemistry, named "Exploring Science : Its Beauty &amp; Necessity" on 20/09/2020.</p>		
3	Add-on/Certificate Courses completed during Academic Year	20-21	NIL		
4	Plan for introduction of new Add-on/Certificate Courses in Academic Year	20-21	NIL		



5	Coverage of Syllabus (Average Percentage)	20-21	Syllabus is covered for all courses of UG program within the stipulated time period. In each semester 100% syllabus is completed. 1 <sup>st</sup> semester classes began on 21/12/2020, syllabus was completed on 13/03/2021 and classes were dissolved on 20/03/2021. Even semester classes began on 6/05/2021, syllabus was completed on 24/06/2021 and classes were dissolved on 21/07/2021.		
6	Maintenance of Student Attendance Registers	20-21	Day to day attendance is recorded in the Student Attendance Registers. Students were made aware about the importance of their percentage of attendance in classes in the Mentor-Mentee meetings.		
7	Feedback forms on Mentorship from students	20-21	Yes ( <b>Annexure 4</b> )		



III - TEACHING, LEARNING & EVALUATION (with Attachments)		Year	Statement	Impression/Recommendation/ Remark by Academic Advisors	Status
1	Teaching Diaries & Plans in the Prescribed Formats	20-21	Record of Plan of Action and Achieved of each session is well maintained by the department.		
2	Co-Curricular Activities (Departmental Level)	20-21	None		
3	Degrees offered	20-21	UG programs are run by the department.		
4	Conduct of Internal Examinations-continuous assessment & Mid-Term Test	20-21	Continuous assessment is carried out by the department in the form of Class Test carried out in written form. Internal assessment examinations are held in the form of assignments, due to lock down. Internal examination of odd Semester students was held on 27/02/2021 in online mode through college ERP. Internal examination of even Semester students was held on 29/06/2021 in online mode through college ERP.		

5	Remedial Classes	20-21	Remedial classes are conducted for each semester on the basis of suggestions provided by the students, the topics that require special attention are revised.		
6	Record of Mentoring of students by teachers	20-21	<p>Mentorship is introduced from this academic year.</p> <p>Record of mentoring of students by teachers is maintained by the department.</p> <p>Mentor- Mentee meet for 1<sup>st</sup> semester students was held on 04.11.2020</p> <p>and that for the 3<sup>rd</sup> Semester students was held on 10.11.2020</p> <p>and that for the 5<sup>th</sup> Semester students was held on 11.01.2020</p>		





7	Result Analysis	20-21	Result analysis is done according to the result sheet provided by the University ( <b>Annexure 5</b> ). After critical analysis of the results, the students are advised about how to improve in the University examination.		
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IV - RESEARCH AND CONSULTANCY (with Attachments)		Year	Statement			Impression/Recommendation/Remark by Academic Advisors	Status
1	No. of Research Guides in the Department	20-21	Nil				
2	No. of Faculty registered for Ph. D	20-21	Nil				
3	Number of Major/Minor/Other Research Projects	Year	Major	Minor	Others		
		20-21	Nil	Nil	Nil		







9	Student Seminars/ Departmental Seminar/Workshop/ Exhibition/ Project in the Academic Year (other than University)	Year	Seminar	Workshop	Exhibition	Project	
		20-21	Nil	Nil	Nil	Nil	
10	Record of Consultancy in Academic year (attach details)	20-21	Nil				
11	Record of MOUs in Academic year (attach details)	20-21	Nil				

V - EXTENSION ACTIVITIES (with Attachments)		Year	Statement	Impression/Recommendation/ Remark by Academic Advisors	Status
1	Record of Subject/Department Related Extension Activities (attach details)	20-21	NIL		
2	Field Visit (attach records)	20-21	NIL		
3	Industry Visit (attach records)	20-21	NIL		



9	Student Seminars/ Departmental Seminar/Workshop/ Exhibition/ Project in the Academic Year (other than University)	Year	Seminar	Workshop	Exhibition	Project	
		20-21	Nil	Nil	Nil	Nil	
10	Record of Consultancy in Academic year (attach details)	20-21	Nil				
11	Record of MOUs in Academic year (attach details)	20-21	Nil				

V - EXTENSION ACTIVITIES (with Attachments)		Year	Statement	Impression/Recommendation/ Remark by Academic Advisors	Status
1	Record of Subject/Department Related Extension Activities (attach details)	20-21	NIL		
2	Field Visit (attach records)	20-21	NIL		
3	Industry Visit (attach records)	20-21	NIL		

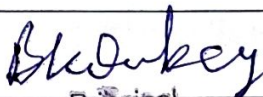
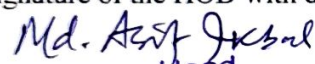




4	Any Other Club (attach records)	20-21	NIL		
5	Any other social service activity undertaken by the students and teachers/students/teachers of the department (attach records)	20-21	NIL		





### Recommendation/Suggestions by Academic Advisors

Suggestions for improvement /progress of the department		Sheet attached		
1			Signatures of Academic Advisor with designation	Seal
2		1	 Principal	
		2	Onda Thana Mahavidyalaya P.O.-Murakata, Dist.-Bankura	
3		3		
Signature of the HOD with date  17.11.21 Head Department of Mathematics Khatra Adibasi Mahavidyalaya		 Coordinator 17.11.2021 IQAC Khatra Adibasi Mahavidyalaya Khatra : Bankura		
Signature of the TIC with date  17/11/21 Teacher-in-Charge Khatra Adibasi Mahavidyalaya Khatra :: Bankura				



**Declaration by the Teacher-In-Charge**

On behalf of the College Governing Body and as Institutional Head, I will forward the observations by the Academic Advisors to IQAC and also to the Governing Body of the Institution for further necessary action regarding Academic development of the department.

Date: 17-11-2021

A handwritten signature in blue ink, appearing to be "K. K. S." or similar, written in a cursive style.

Signature of Teacher-in-charge  
*Teacher-in-Charge*  
Khatra Adibasi Mahavidyalaya  
Khatra :: Bankura

**Annexure 1: Staff Pattern of Department of Mathematics**



Faculty profile with name, qualification, designation, specialization (D.Sc./ D.Litt./ Ph.D/ M.Phil. etc.,)						
Sl. No	Name	Qualification	Designation	Specialization	No. of Years of Experience	No. of Ph.D. Students guided for the last 4 years
1	Dr. Md. Asif Ikbal	Ph.D.	Assistant Professor	Bio Mathematics	4 Years +	Nil
2	Dr. Rima Barik	Ph.D.	Assistant Professor	Functional Analysis, Set Topology, Real Analysis	1 Year	Nil
3.	Sri Madhab Nandi	M.Sc.	Guest Lecturer	Pure Mathematics	5 Years+	Nil
4.	Sri Chandi Das Gop	M.Sc.	Guest Lecturer	Operation Research, Turbulent Flows	1 Years+	Nil

**Annexure 2: Syllabus Module**



Session	Link
2020-2021	<a href="https://kamv.ac.in/dept_catg/1718823264_syllabus%20module%20-20-21.pdf">https://kamv.ac.in/dept_catg/1718823264 syllabus%20module%20-20-21.pdf</a>





### **Annexure 3: CO, PO**

Link for CO, PO of CBCS Syllabus for Three Years Undergraduate Course in Economics Programme under Bankura University (w.e.f. 2017):

[https://kamv.ac.in/co\\_po/1653725684\\_CO%20PO%20BKU%20KAM.pdf](https://kamv.ac.in/co_po/1653725684_CO%20PO%20BKU%20KAM.pdf)



STUDENT FEEDBACK ON MENTORSHIP [July 2020- June 2021]

NAME OF THE MENTOR: Dr. Asif Ikbal

DESIGNATION: Assistant Professor (H.O.D.)

DEPARTMENT: Mathematics

Sl	Student Name & Semester	He/she is expert in his/her field of study. (10)	He/she is enthusiastic and always motivates to all. (10)	He/she shows respect to all. (10)	He/she meets frequently. (10)	He/she possesses great adaptability. (10)	He/she encourages to value learning. (10)	He/she is supportive & tries to solve our problems. (10)	He/she is responsive to our needs. (10)	He/she is an active learner also. (10)	He/she is helpful in achieving our goal. (10)	Total/10	Initial Signature of Student (with Phone Number)
1	Apurba Mahanta	10	9	10	9	9	9	10	10	9	9	94	Apurba Mahanta
2	Kallol Malik	10	9	9	10	10	10	9	9	10	9	95	Kallol Malik



STUDENT FEEDBACK ON MENTORSHIP (July 2020... June 2021)

NAME OF THE MENTOR: Dr. Pima Bork

DESIGNATION: Assistant Professor

DEPARTMENT: Mathematics

Sl	Student Name & Semester	He/She is expert in his/her fields of study. (10)	He/She is enthusiastic and always motivates us. (10)	He/She shows respect to all. (10)	He/She meets us frequently. (10)	He/She possesses great adaptability. (10)	He/She encourages us to value learning. (10)	He/She is supportive & tries to solve our problems. (10)	He/She is responsive to our needs. (10)	He/She is an active learner also. (10)	He/She is helpful in achieving anyone's goal. (10)	Total/100	Initials/Signature of Student (with Phone Number)
1	Koushik Patra V	10	9	10	9	9	10	10	9	9	10	95	Koushik Patra
2	Pritya Garai V	10	10	9	9	10	9	10	10	9	9	95	Pritya Garai





STUDENT FEEDBACK ON MENTORSHIP | July 20<sup>th</sup> - June 20<sup>21</sup> |

NAME OF THE MENTOR: Madhab Nandi

DESIGNATION: State Model College Teacher

DEPARTMENT: Mathematics

Sl	Student Name & Semester	He/Sh is expert in his/her fields of study. (10)	He/She is enthusiastic and always motivates us. (10)	He/Sh shows respect to all (10)	He/She meets us frequently (10)	He/She possesses great adaptability (10)	He/She encourages us to value learning. (10)	He/She is supportive & tries to solve our problems. (10)	He/She is responsive to our needs. (10)	He/Sh is an active learner also. (10)	He/She is helpful in achieving anyone's goal. (10)	Total/10	Initial/Signature of Student (with Phone Number)
1	Tamoy Karan v	10	10	10	9	9	10	10	9	9	10	96	Tamoy Karan
2	Sudeha Ganguli (iii)	9	9	9	10	10	9	9	10	9	9	93	Sudeha Ganguli





**STUDENT FEEDBACK ON MENTORSHIP ( July 2020...- June 2021)**

NAME OF THE MENTOR: CHANDI DMS GPT

DESIGNATION: State Aided College Teacher

DEPARTMENT: Mathematics

Sl	Student Name & Semester	He/Sh e is expert in his/her fields of study. (10)	He/She is enthusiastic and always motivates us. (10)	He/Sh e shows respect to all (10)	He/She meets us frequently (10)	He/She possesses great adaptability (10)	He/She encourages to value learning. (10)	He/She is supportive & tries to solve our problems. (10)	He/She is responsive to our needs. (10)	He/Sh e is an active learner also. (10)	He/She is helpful in achieving anyone's goal. (10)	Total/100	Initial/Signature of Student (with Phone Number)
1	Sandip Roy V	10	10	9	9	10	10	9	9	10	10	96	Sandip Roy
2	Somdip Das V	10	10	10	10	9	9	9	9	10	10	96	Somdip Das

## Annexure 5: Result Analysis

### Result Analysis of Department of Mathematics 2020-2021:



Name of the Course/programme	Total No. of Students Appeared	No of Students Passed	Pass Percentage
U.G. 1 <sup>st</sup> Semester (Hons) Bankura University	10	10	100%
U.G. 2 <sup>nd</sup> Semester (Hons) Bankura University	10	10	100%
U.G. 3 <sup>rd</sup> Semester (Hons) Bankura University	12	12	100%
U.G. 4 <sup>th</sup> Semester (Hons) Bankura University	09	09	100%
U.G. 5 <sup>th</sup> Semester (Hons) Bankura University	10	10	100%
U.G. 6 <sup>th</sup> Semester (Hons) Bankura University	07	07	100%

**Annexure 6: Papers Presented in the session 2020-2021**

<b>Sl. No.</b>	<b>Title of the invited lecture /<u>paper</u> presented</b>	<b>Title of Conference/ Seminar with date</b>	<b>Organized by</b>	<b>Whether International/ National/State or University level</b>
1	e-Content Development for Undergraduate Mathematics, Dr. Md Asif Ikbal	e-Learning Experiences: Apps and Tools, 27 Feb., 2021	Barrackpore rashtraguru Surendranath College, West Bengal	National





**Annexure 7: List of programmes attended by the faculty members**

Sl. No.	Name of the Faculty	Title of the program with date of conduction	Organized by	Duration
1	Dr. Rima Barik	Online Summer School-2020 on Mathematics 27 <sup>th</sup> June to 6 <sup>th</sup> July, 2020	Department of Mathematics, Presidency University	10 days
2	Dr. Rima Barik	International e-workshop on Foundation of College Mathematics	Department of Mathematics Saldiha College, Bankura, WB	3 days