



# **Khatra Adibasi Mahavidyalaya**

**Khatra, Bankura, West Bengal**

**Department of Physics**

**Academic Audit: 2021-22**






## Academic Audit of Department of Physics

Period of Audit: 2021-22

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

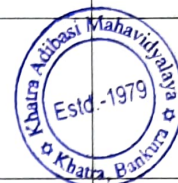
1	Name of the Department, Website, email and Ph. No.	Department: Physics E-mail: <a href="mailto:phys.arindam@kamv.ac.in">phys.arindam@kamv.ac.in</a> Mobile No: 8697342455				
2	Name of the HOD, email & Mob. No.	Name: Dr. Arindam Chakrabarti E-mail: <a href="mailto:phys.arindam@kamv.ac.in">phys.arindam@kamv.ac.in</a> Mobile No: 8697342455				
3	Name of the IQAC Coordinator, email & Mob. No.	Name: Dr. Arindam Chakrabarti E-mail: <a href="mailto:phys.arindam@kamv.ac.in">phys.arindam@kamv.ac.in</a> Mobile No: 8697342455				
4	Year of Establishment/ Year of Affiliation	2008: General Course under Burdwan University (BU); (Intake Capacity 40) 2017: Honours & Program Courses under Bankura University (BKU); (Intake Capacity 20)				
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	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:		00	00	
		Invitee Lecturer:		NA	Nil	
9	Course wise & Year wise Registered Students	No. of Students Honours {Progam}	Year	1 <sup>st</sup> Sem	3 <sup>rd</sup> Sem	5 <sup>th</sup> Sem
	Passed Students in 2022		2021-2022	08{02}	06{01}	03{01}
			Appeared in the Final Year Exam		03{01}	
		Passed (Exit Batch in 2022)		03{01}		

II- CURRICULAR ASPECTS(with Attachments)	Session	Statement	Impression/Recommendation/ Remark by Academic Advisors	Status
1 Departmental Annual Curricular Plans	21-22	<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 4</b>). Departmental meeting regarding the distribution of the syllabus of the 3rd Semester was held on 25/08/2021. Departmental meeting regarding the distribution of the syllabus of the 4th Semester was held on 18/02/2022. Other departmental meetings were held on 6/07/2021, 12/11/2021 and 3/12/2021. 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	<p>All classes are taken in <b>offline mode</b> except for the months of December 21, January 22, during which Covid-19 protocols were relaxed and classes reverted to <b>offline mode</b>.</p> <p>IA for 3<sup>rd</sup> &amp; 5<sup>th</sup> sem students were however held in <b>online mode</b> in the period from 28/12/2021 to 31/12/2021. For 1<sup>st</sup> sem students IA in <b>online mode</b> was held from 16/01/2022 to 24/01/2022.</p> <p>IA for 2<sup>nd</sup>, 4<sup>th</sup> &amp; 6<sup>th</sup> sem students were held in <b>offline mode</b> in the period from 27/04/2022 to 30/04/2022.</p> <p>Conducted, along with other Pure Science departments a <b>One day Webinar</b> on "<i>Decoding brighter future opportunities after B.Sc.</i>" on 06.06.2022</p>		
3	Add-on/Certificate Courses completed during Academic Year	NIL		
4	Coverage of Syllabus (Average Percentage)	100% syllabus is covered for all courses of UG program within the stipulated time period. Records are kept in the individual Teacher's Diary. 3rd semester classes began on 1/09/2021, syllabus was completed on 4/01/2022 and classes were dissolved on 4/01/2022. 4th semester classes began on 2/03/2022, syllabus was completed on 21/05/2022 and classes were dissolved on 4/06/2022.		
5	Maintenance of Student Attendance Registers	Attendance was recorded in the college registers as classes resumed in online mode.		



III - TEACHING, LEARNING & EVALUATION (with Attachments)		Year	Statement	Impression/Recommendation/ Remark by Academic Advisors	Status
1	Teaching Diaries & Plans in the Prescribed Formats	21-22	Record of Plan of Action and Achieved of each session is well maintained by the department and also reflected in website.		
2	Co-Curricular Activities (Departmental Level)	21-22	Nil		
3	Degrees offered		B.Sc. Hons., GE and Program (BKU)		
4	Conduct of Internal Examinations-continuous assessment & Mid-Term Test		IA for 3 <sup>rd</sup> & 5 <sup>th</sup> sem students were held in <b>online mode</b> in the period from 28/12/2021 to 31/12/2021. For 1 <sup>st</sup> sem students IA in <b>online mode</b> was held from 16/01/2022 to 24/01/2022.  IA for 2 <sup>nd</sup> , 4 <sup>th</sup> & 6 <sup>th</sup> sem students were held in <b>offline mode</b> in the period from 27/04/2022 to 30/04/2022.		
5	Result Analysis		Result analysis is done according to the result sheet provided by the University ( <b>Annexure 4</b> ). After critical analysis of the results in departmental meeting, the students are advised about how to improve in the term end examinations.		





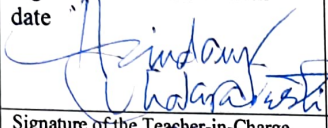
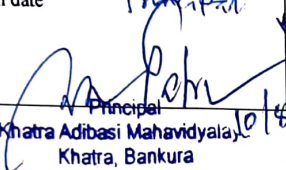
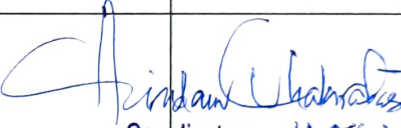
IV - RESEARCH AND CONSULTANCY (with Attachments)		Yr	Statement			Impression/Recommendation/Remark by Academic Advisors	Status
1	Faculty registered/pursuing PhD	21-22	Nil				
2	Number of Research Papers Published in (Internationals/Nationals Journals)		International	National	State Level		
			Nil	Nil	Nil		
3	Number of Papers Presented in (International/National/State Level Conference) & Invited Lectures [Annexure 5]		International	National	State Level		
			00	00	Nil		
4	Number of Books Published in (Single		As a Single Author	As a Co-Author			



	Author/Co Author)		Nil		Nil						
5	Number of Book Chapters		Nil								
6	Number of Seminars / Workshops / Training Program Conducted in the Academic year (International / National / State) (attach details)  [ I – International, N – National, S – State Level		Seminars			Workshops			Training Program		
			I	N	S	I	N	S	I	N	S
			0	0	0	0	0	0	0	0	0
7	Student Seminars/ Departmental Seminar/Workshop/ Exhibition/ Project in the Academic Year (other than University)		Seminar			Workshop			Exhibition		Project
			01			Nil			Nil		Nil
8	Record of MoUs in Academic year (attach details)	21 - 22	Nil								

V – Extension Activities (with Attachments)	Year	Statement	Impression/Recommendation/ Remark by Academic Advisors	Status
Record of Subject/Department Related Extension Activities	21-22	One day Webinar on <b>“Decoding brighter future opportunities after B.Sc.”</b> , conducted by Departments of Physics, Chemistry & Mathematics on 06.06.2022		
Any other social service activity undertaken by the students and teachers/students/teachers of the department	21-22	Dr. Arindam Chakrabarti, HoD acted as technical support in one-day seminar on <b>“Motivation for Blood Donation”</b> and <b>“Awareness on AIDS”</b> (organised by NSS) on 31.03.2022		

**Recommendation/Suggestions by Academic Advisors**

Suggestions for improvement /progress of the department	Sheet attached	
	Signatures of Academic Advisor with designation	Seal
		
Signature of the HOD with date  <b>Head Department of Physics Khatra Adibasi Mahavidyalaya</b>		
Signature of the Teacher-in-Charge with date  <b>Principal Khatra Adibasi Mahavidyalaya Khatra, Bankura</b>		 <b>Coordinator IQAC 10.08.2022</b> <b>Khatra Adibasi Mahavidyalaya Khatra : Bankura</b>

**Declaration by the Principal/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: 10.08.2022

  
 Signature of Principal/TIC  
 Principal  
 Khatra Adibasi Mahavidyalaya  
 Khatra, Bankura



### List of Annexure

#### Annexure 1: Staff Pattern of Department of Physics

Name	Qualification	Designation	Specialization	No. of Years of Experience
Dr. Siddhartha Sinha	M.Sc, PhD	Assistant Professor	Gravitational Waves & Cosmology	18.03.2015 continuing
Dr. Arindam Chakrabarti	M.Sc., PhD	Assistant Professor	Correlated Systems, Phase Transition & Superconductivity	17.12.2019 continuing

#### Faculty Profile:

<https://kamv.ac.in/biodata/Siddhartha%20Sinha.pdf> (Dr.Siddhartha Sinha)

<https://kamv.ac.in/biodata/ARINDAM%20CHAKRABORTI.pdf> ( Dr. Arindam Chakrabarti)

#### Annexure 2: Syllabus Module (Unitization of Syllabus through teaching assignment distribution with specified lectures)

Session	Link
2021-22	<a href="https://kamv.ac.in/dept_contents.php?did=12&amp;item_id=2">https://kamv.ac.in/dept_contents.php?did=12&amp;item_id=2</a>

#### Annexure 3: CO, PO & PSO

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

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

#### Annexure 4: Result Analysis of Dept. of Physics, 2021-2022 session

No of Students Appeared in 6 <sup>th</sup> Sem (BKU)	Course	No of Students Appeared	Course Qualified	Not Qualified	Percentage of Qualified students
6 <sup>th</sup> Sem	Hons	03	03	00	100%
6 <sup>th</sup> Sem	Program	01	01	00	100%



**N.B.** The following three Honours students passed out in this session (admitted in the 2019-20 academic session.).

Name	Session (1 <sup>st</sup> yr)	UID	Percentage	Current Position	Contact
Shantanu Patra	2019-20	19113124001	76.7%	Completed B.Ed. from Swarajnagar Teachers Training College, 2024	7047981001
Sourav Patra	2019-20	19113124002	75.7%	Completed B.Ed. from Bankura College of Education, 2024	9382003651
Sujata Kundu	2019-20	19113124003	Above 75% (76.7%)	Not Known	9339486331



**Resolution and Recommendation:** The result indicates a 100% success rate for both Honours & Program students, inspite of the fact that a significant proportion of their classes were taken in online mode.