



# **Khatra Adibasi Mahavidyalaya**

**Khatra, Bankura, West Bengal**

**Department of Physics**

**Academic Audit: 2020-21**





## Academic Audit of Department of Physics

Period of Audit: 2020-21

### 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.siddhartha@kamv.ac.in">phys.siddhartha@kamv.ac.in</a> Mobile No: 8697342455				
2	Name of the HOD, email & Mob. No.	Name: Dr. Siddhartha Sinha E-mail: <a href="mailto:phys.siddhartha@kamv.ac.in">phys.siddhartha@kamv.ac.in</a> Mobile No: 8697342455				
3	Name of the IQAC Coordinator, email & Mob. No.	Name: Dr. Alope Bhowmik E-mail: <a href="mailto:alokebhowmik.b05@gmail.com">alokebhowmik.b05@gmail.com</a> Mobile No: 9475623715				
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}	<b>Year</b>	<b>1<sup>st</sup>Sem</b>	<b>3<sup>rd</sup> Sem</b>	<b>5<sup>th</sup> Sem</b>
	Passed Students in 2021		<b>2020-2021</b>	09{04}	03{01}	00{02}
			<b>Appeared in the Final Year Exam</b>	<b>Passed (Exit Batch in 2021)</b>		00{02}

II- CURRICULAR ASPECTS(with Attachments)	Session	Statement	Impression/Recommendation/ Remark by Academic Advisors	Status
1 Departmental Annual Curricular Plans	20-21	<p>With two full time professors, the syllabus distribution, including credit allocation per topic is more complete than the previous sessions. We endeavour to complete the stipulated syllabus in time in each year.</p> <p>Due to absence of online classes due to Covid-19 protocols, online classes using ICT technologies were used by both teachers. Also extensive use of the ERP was made by both teachers and students in regard to uploading of teaching materials and assignments (for teachers) and submission of assignments (for students).</p> <p>Departmental meeting regarding the distribution of the syllabus of the 1st Semester was held on 19/08/2020. Departmental meeting regarding the distribution of the syllabus of the 2nd Semester was held on 4/05/2021. Other departmental meetings were held on 14/08/2020, 25/11/2020, 22/12/2020 and 5/03/2021. PO, CO &amp; PSO were also formulated (<b>Annexure 3</b>).</p>		



<p>2 Departmental Activities and Records of students' and Teachers' participation for the Academic Year</p>	<p>All classes are taken in <b>online mode</b> except for the period from February to April, 2021, during which Covid-19 protocols were relaxed and classes reverted to <b>offline mode</b>.</p> <p>IA for 1<sup>st</sup>, 3<sup>rd</sup> &amp; 5<sup>th</sup> sem students were however held in <b>online mode</b> in the period from 24/2/2021 to 02/03/2021.</p> <p>IA for 2<sup>nd</sup>, 4<sup>th</sup> &amp; 6<sup>th</sup> sem students were held in <b>online mode</b> in the period from 24/6/2021 to 02/07/2021.</p> <p>Dr. Arindam Chakrabarti attended the following seminars/webinars:</p> <ol style="list-style-type: none"> <li>1. Participant in International Webinar on "<b>Physics and Beyond- 2020</b>", organised by BKU, on 6-8 July, 2020</li> <li>2. Active participant in National Webinar "<b>Gender Matters: Texts &amp; Contexts</b>", English Dept &amp; IQAC, KAM, 22<sup>nd</sup> &amp; 23<sup>rd</sup> July, 2020.</li> <li>3. Participant in webinar "<b>NAAC Assessment &amp; Accreditation Process</b>", IQAC, St Xaviers' College, Kolkata, 30<sup>th</sup> &amp; 31<sup>st</sup> July, 2020.</li> <li>4. Participant in State-level webinar on "<b>Administrative affairs thrusting upon promotion of College teachers/Librarians under CAS</b>", City College, Kolkata, 11.07.2020</li> <li>5. Participant in "<b>International Webinar on Basic and Advanced Physics- 2020</b>", BKU, 24-27 August, 2020.</li> <li>6. Participant in National Webinar "<b>Advances of Modern Physical Science</b>", Dept of Physics, Panchmura Mahavidyalaya on 14.09.2020.</li> <li>7. Participant in International webinar "<b>Nano Science &amp; its applications</b>", Bankura Christian College on 19.10.2020</li> <li>8. Successful completion of self-learning Online Course "<b>Understanding Open Educatonal Resources</b>", offered by Commonwealth of Learning, Canada</li> </ol>
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		<p>on 05.11.2020.</p> <p>9. Participated in Faculty Development Program on “<b>Learning Management Systems &amp; Open Educational Resources</b>”, Krishna Chandra College on 04.11.2020 to 10.11.2020.</p> <p>10. UGC sponsored <b>Online Faculty Induction Programme</b>, Aligarh Muslim University, 13.11.2021 to 17.12.2021, <b>obtained Grade A.</b></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. 1st semester classes began on 21/12/2020, syllabus was completed on 13/03/2021 and classes were dissolved on 20/03/2021. 2nd semester classes began on 6/05/2021, syllabus was completed on 24/06/2021 and classes were dissolved on 21/07/2021.		
5	Maintenance of Student Attendance Registers	Attendance was recorded in the college ERP as classes were taken 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	20-21	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)	20-21	Nil		
3	Degrees offered		B.Sc. Hons., GE and Program (BKU)		
4	Conduct of Internal Examinations-continuous assessment & Mid-Term Test		IA for 1 <sup>st</sup> , 3 <sup>rd</sup> & 5 <sup>th</sup> sem students were held in <b>online mode</b> in the period from 24/2/2021 to 02/03/2021. IA for 2 <sup>nd</sup> , 4 <sup>th</sup> & 6 <sup>th</sup> sem students were held in <b>online mode</b> in the period from 24/6/2021 to 02/07/2021.		
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	20 -	Nil						
2	Number of Research Papers Published in (Internationals/Nationals Journals)	21	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 Author/Co Author)		As a Single Author	As a Co-Author					
			Nil	Nil					
5	Number of Book Chapters		Nil						
6	Number of Seminars / Workshops / Training Program Conducted in		Seminars		Workshops	Training Program			
			I	N	S	I	N	S	

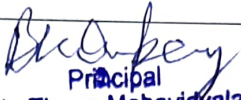
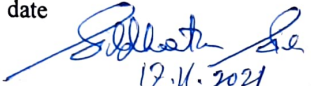
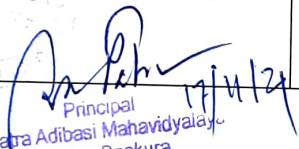

	the Academic year (International / National / State) (attach details)  [ I – International, N – National, S – State Level	0	0	0	0	0	0	0	0	0		
7	Student Seminars/ Departmental Seminar/Workshop/ Exhibition/ Project in the Academic Year (other than University)	Seminar			Workshop		Exhibition		Project			
		Nil			Nil		Nil		Nil			
8	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
Record of Subject/Department Related Extension Activities	20-21	Nil		





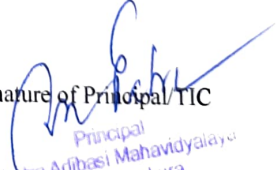
**Recommendation/Suggestions by Academic Advisors**

Suggestions for improvement /progress of the department	Sheet attached	
	Signatures of Academic Advisor with designation	Seal
	<p align="center">   <b>Principal</b>  <b>Onda Thana Mahavidyalaya</b>  <b>P.O.-Murakata, Dist.-Bankura</b> </p>	
Signature of the HOD with date	<p>   <b>Head</b>  <b>Department of Physics</b>  <b>Khatra Adibasi Mahavidyalaya</b> </p>	
Signature of the Teacher-in-Charge with date	<p>   <b>Principal</b>  <b>Khatra Adibasi Mahavidyalaya</b>  <b>Khatra, Bankura</b> </p>	<p>   <b>Coordinator</b>  <b>IQAC</b>  <b>Khatra Adibasi Mahavidyalaya</b>  <b>Khatra : Bankura</b> </p>

**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: 17.11.2021

  
**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
2020-21	<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 <sup>Physics</sup> 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, 2020-2021 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	0	0	0	NA
6 <sup>th</sup> Sem	Program	02	02	00	100%

**N.B.:** In this session, three students also passed out, who were admitted in the 2017-18 academic session. The following is their credentials.

Name	Session	UID	Percentage	Current Position	Contact
<b>Mriganka Das</b>	2017-18	17363124004	61.6%	Completed M.Sc. from Aliah University in 2023	7365907703
<b>Nimai Pramanik</b>	2017-18	17363224004	60.8%	Equity Analyst in Peryton Securities Consultants(P) Ltd., from 14.12.2022.	7047129039
<b>Sukdeb Ghosh</b>	2017-18	17363224003	Not Available	Not Known	8617485870

**Resolution and Recommendation:** The result indicates a 100% success rate for program students. The Honours student for the current batch had dropped out of the College in his year of admission (2018-19 session). Apart from that, all papers of all other semesters were cleared by all the students.

