



Khatra Adibasi Mahavidyalaya

Khatra, Bankura, West Bengal

Department of Mathematics

Academic Audit: 2022-2023



Academic Audit: - Department of Mathematics

Period of Audit: 2022-2023

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: 9732329199	E-mail: math.rima@kamv.ac.in			
2	Name of the HOD, email & Mob. No.	Name: Dr. Rima Barik Mobile No:9732329199	E-mail: math.rima@kamv.ac.in			
3	Name of the IQAC Coordinator, email & Mob. No.	Name: Dr. Arindam Chakrabarti Mobile No:9051051243	E-mail: phys.arindam@kamv.ac.in			
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 <u>enrolled</u> Students- strength particulars	No. of Students [Honours]+	Year 22-23	1 st year [05] + { 01 }	2 nd year [08] + { 01 }	3 rd year [09] + { 00 }



Course wise & Year wise <u>passed</u> Students- strength particulars	{General/ Program me}	22-23	[00] + { }	[00] + { }	[03] + { }
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II-CURRICULAR ASPECTS (with Attachments)		Session	Statement	Impression/Recommendation/ Remark by Academic Advisors	Status
1	Departmental Annual Curricular Plans	22-23	<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. 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 (Annexure 2).</p> <p>Departmental meeting regarding the distribution of the syllabus and preparation of departmental routine was held on 19/07/2022.</p> <p>Departmental meeting regarding the distribution of mentorship was held on 26/09/2022.</p> <p>Departmental meeting regarding the internal assessments were held on 04/11/2022 and 27/04/2023.</p> <p>PO, CO & PSO were also formulated (Annexure 3).</p>		



2	Departmental Activities and Records of students' and Teachers' participation for the Academic Year	22-23	<p>Every activity is recorded such as Orientation Programme, Departmental meetings, Departmental Seminar, Student-Seminar, Class Tests, Meetings of committees etc.</p> <p>Orientation Programme was held on 20/09/2022.</p> <p>Departmental meetings were held on 19/07/2022, 26/09/2022, 4/11/2022 and 27/04/2023.</p> <p>Internal Assessment of odd Semester students was held on 16/11/2022 and 17/11/2022. Internal examination of even Semester students was held on 11/05/2023 and 12/05/2023.</p>		
3	Add-on/Certificate Courses completed during Academic Year	22-23	NIL		
4	Plan for introduction of new Add-on/Certificate Courses in Academic Year	22-23	NIL		



5	Coverage of Syllabus (Average Percentage)	22-23	Syllabus is covered for all courses of UG program within the stipulated time period. In each semester 100% syllabus is completed.		
6	Maintenance of Student Attendance Registers	22-23	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 held on 13/11/2022, 14/11/2022, 01/12/2022, 02/12/2022 and 05/12/2022.		
7	Feedback forms on Mentorship from students	22-23	Yes (Annexure 4)		

III - TEACHING, LEARNING & EVALUATION (with Attachments)		Year	Statement	Impression/Recommendation/ Remark by Academic Advisors	Status
1	Teaching Diaries & Plans in the Prescribed Formats	22-23	Record of Plan of Action and Achieved of each session is well maintained by the department.		



2	Co-Curricular Activities (Departmental Level)	22-23	Students of the department participated in different cultural programmes held in the college in the session 2022-2023.		
3	Degrees offered	22-23	UG programs are run by the department.		
4	Conduct of Internal Examinations-continuous assessment & Mid-Term Test	22-23	Continuous assessment is carried out by the department in the form of Class Test carried out in written form. Internal Assessment of odd Semester students was held on 16/11/2022 and 17/11/2022. Internal examination of even Semester students was held on 11/05/2023 and 12/05/2023.		

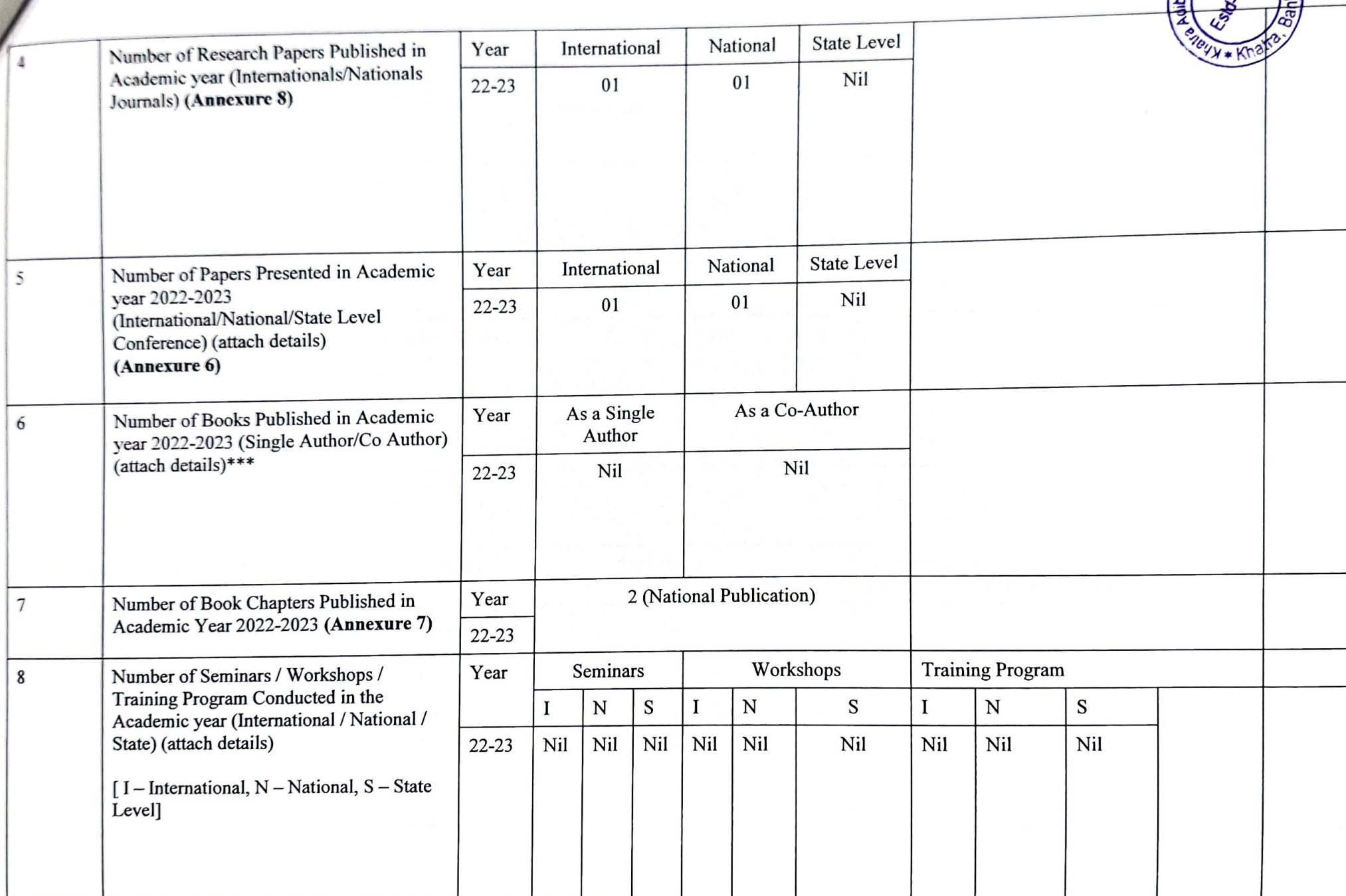


5	Remedial Classes	22-23	<p>Remedial classes are conducted for each semester on the basis of suggestions provided by the students who propose the topics that require special attention. Sometimes in the remedial classes, evaluated and assessed answer scripts are shown to the students for their self-analysis and better understanding of the subject.</p> <p>Remedial classes of 3rd and 5th semester were held on 2/12/2022, 3/12/2022, 5/12/2022 and 6/12/2022. Remedial classes of even semester students were taken on 9/06/2023, 10/06/2023, 16/06/2023 and 17/06/2023.</p>		
6	Record of Mentoring of students by teachers	22-23	<p>Record of mentoring of students by teachers is maintained by the department. However, mentoring is also provided outside the class.</p> <p>Mentor- Mentee meets were held on 13/11/2022, 14/11/2022, 01/12/2022, 02/12/2022 and 05/12/2022.</p>		



7	Result Analysis	22-23	Result analysis is done according to the result sheet provided by the University (Annexure 5). 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	22-23	Nil				
2	No. of Faculty registered for Ph. D	22-23	Nil				
3	Number of Major/Minor/Other Research Projects	Year	Major	Minor	Others		
		22-23	Nil	Nil	Nil		





9	Student Seminars/ Departmental Seminar/Workshop/ Exhibition/ Project in the Academic Year (other than University)	Year	Seminar	Workshop	Exhibition	Project	
		22-23	01 (Annexure 9)	Nil	Nil		
10	Record of Consultancy in Academic year (attach details)	22-23	Nil				
10	Record of MOUs in Academic year (attach details)	22-23	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)	22-23	NIL		
2	Field Visit (attach records)	22-23	NIL		

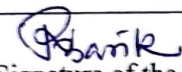


3	Industry Visit (attach records)	22-23	NIL		
4	Any Other Club (attach records)	22-23	NIL		
5	Any other social service activity undertaken by the students and teachers/students/teachers of the department (attach records)	22-23	NIL		

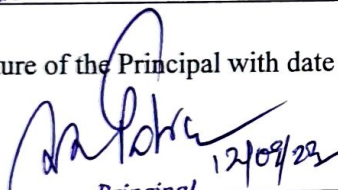


Recommendation/Suggestions by Academic Advisors

Suggestions for improvement /progress of the department		Sheet attached		
1			Signatures of Academic Advisor with designation	Seal
2		1	 Principal Jamini Roy College Bankura (W.B.)	
		2		
3		3		


Signature of the HOD with date
Head
Department of Mathematics
Khatra Adibasi Mahavidyalaya

Signature of the Principal with date


Principal
Khatra Adibasi Mahavidyalaya
Khatra :: Bankura



Coordinator
IQAC
Khatra Adibasi Mahavidyalaya
Khatra : Bankura
12-09-23



Declaration by the Principal

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: 12.09.2023


Signature of Principal
Principal
Khatra Adibasi Mahavidyalaya
Khatra :: Bankura



Annexure 1: Staff Pattern of Department of Economics

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	6 Years +	Nil
2	Dr. Rima Barik	Ph.D.	Assistant Professor	Functional Analysis, Set Topology, Real Analysis	3 Year	Nil
3.	Sri Madhab Nandi	M.Sc.	SACT	Pure Mathematics	7 Years+	Nil
4.	Sri Chandi Das Gop	M.Sc.	SACT	Operation Research, Turbulent Flows	3Years+	Nil



Annexure 2: Syllabus Module

Session	Link
2022-2023	https://kamv.ac.in/dept_catg/1718823378 syllabus%20module%20-%202022-23.pdf



Annexure 3: CO, PO

Link for CO, PO of CBCS Syllabus for Three Years Undergraduate Course in Mathematics under Bankura University:

https://kamv.ac.in/co_po/1653725684_CO%20PO%20BKU%20KAM.pdf



Annexure 4: Feedback Form 2022-2023

STUDENT FEEDBACK ON MENTORSHIP [July 20²²:- June 20²³]

NAME OF THE MENTOR: Dr. Pima Barik

DESIGNATION: Assistant Professor

DEPARTMENT: Mathematics

Sl. No.	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 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	Initial/Signature of Student (with Phone Number)
1	Subrata Pujaru ✓	10	10	9	10	9	10	9	10	9	9	95	Subrata Pujaru
2	Punam Rakshit ✓	9	10	10	9	10	9	10	9	10	9	95	Punam Rakshit



STUDENT FEEDBACK ON MENTORSHIP | July 2022-June 2023

NAME OF THE MENTOR: Dr. Asif Iqbal

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 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	Initial/Sig nature of Student (with Phone Number)
1	Shreya Patra ✓	10	10	9	9	10	9	10	10	9	9	35	Shreya Patra
2	Sumanta Paine ✓	10	10	10	9	9	9	10	9	10	9	35	Sumanta Paine



STUDENT FEEDBACK ON MENTORSHIP (July 20²³ - June 20²³)

NAME OF THE MENTOR: Madhab Nanoli

DESIGNATION: SACT

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 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	Initial/Signature of Student (with Phone Number)
1	Rajesh Mandal ✓	10	10	9	10	9	9	10	9	9	9	94	Rajesh Mandal
2	Lokesh Majhi ✓	10	10	9	10	9	9	9	10	9	10	95	Lokesh Majhi



NAME OF THE MENTOR:

STUDENT FEEDBACK ON MENTORSHIP [July 20²² - June 20²³]

CHANDI DAS GOP

DESIGNATION:

SACT

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 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	Initial/Signature of Student (with Phone Number)
1	Dayanar Konar V	10	10	10	9	9	10	9	10	9	9	95	Dayanar Konar
2	Rakhi Mondal V	9	9	10	9	10	9	10	9	10	9	94	Rakhi Mondal
3	Sukanta Patra III	10	10	10	9	9	10	9	10	9	9	95	Sukanta Patra
4	Tufan Kar III	9	9	9	10	9	10	9	10	9	10	94	Tufan Kar
5	Rakesh Pain III	10	9	10	9	10	10	9	9	9	10	95	Rakesh Pain

Annexure 5: Result Analysis of 2022-2023 session



Result Analysis of the Department of Mathematics in the AY 2022-2023:

Name of the Course/programme	Total No. of Students Appeared	No of Students Passed	Pass Percentage
U.G. 1st Semester (Hons) Bankura University	05	01	20%
U.G. 2nd Semester (Hons) Bankura University	04	00	0%
U.G. 3rd Semester (Hons) Bankura University	07	00	0%
U.G. 4th Semester (Hons) Bankura University	06	00	0%
U.G. 5th Semester (Hons) Bankura University	09	06	75%
U.G. 6th Semester (Hons) Bankura University	09	03	33.3%



Annexure 6: Papers Presented in the session 2022-2023

Sl. No.	Title of the invited lecture / <u>paper presented</u>	Title of Conference/ Seminar with date	Organized by	Whether International/ National/State or University level
1	Presented the paper 'OER in Mathematics: Broadening the Boundaries'	Two Day National Seminar on Use of Open Educational Resources (23/06/2023 and 24/06/2023)	Sponsored by NAAC and organized by IQAC, Banwarilal Bhalotia College	National
2	Presented the paper 'Philosophy of Mathematics: A Review from Ancient to Present'	One Day International Level Seminar on Philosophical Interventions in Language, Literature and Critical Thinking (23/03/2023)	Department of Philosophy, English, Bengali, Sanskrit and Political Science under the aegis of Internal Quality Assurance Cell, Khata Adibasi Mahavidyalaya, Bankura, West Bengal, India	International



Annexure 7: No of Book Chapters published in the session 2022-2023

Sl. No.	Title of the publication with page no. and year of publication	Name of the of publisher	ISSN/ ISBN No.	No. of Co-author	Whether you are the main author
1	<p>Chapter Name: The Use of ICT for Mathematics Teachers' Education;</p> <p>Book Name: Information and Communication Technology in Teacher education</p> <p>Page Number: 168 to 179</p>	Crescent Publishing Corporation, India	ISBN: 978-93-9177146-1	Nil	Yes
2	Calculus and its Application in Economics and Business; (Chapter 3, Limit and Continuity), Page No.- 65-85, 2022	Netaji Nagar Day College, Kolkata- 92, W.B. (National Level)	ISBN: 978-81-956899-0-3	Nil	Yes



Annexure 8: List of publications in the session 2022-2023

Sl. No.	Title of the publication with page no. and year of publication	Name of the of publisher	ISSN/ ISBN No.	No. of Co-author	Whether you are the main author
1	Mathematical Studies of non-Newtonian Blood Flow through a Patient-Specific Atherosclerotic Artery (Page No441-451)	Journal of Applied Nonlinear Dynamics 12(3) 2023	ISSN: 2164-6457 (Print)	2	Yes
2	OER in Mathematics: Broadening the Boundaries <u>Page Number:</u> 113 to 122	Proceedings of Two-day National Seminar On Creation and Use of Open Educational Resources Banwarilal Bhalotia College, Asansol, Paschim Barddhaman, West Bengal, India	ISBN: 978-93-83659-69-2	Nil	Yes