

BANKI COLLEGE AUTONOMOUS
DEPARTMENT
OF
PHYSICS

1a PHYSICS

Program name	Data type	Number and % of students securing marks in the categories				
		>75%	≤75%-60%	<60%-45%	<45%- ≥Pass %	Total
UG – PHYSICS	No.	26	14	1	1	42
	%	61.9	33.33	2.38	2.38	100
	Score	61.9	24.99	1.19	0.59	88.67

1b Seminar Delivered

Name of the program	Number of seminars delivered by each student in the final year	Number of seminars delivered by each student per semester
PHYSICS	14	7

1c PROJECT WORK/FIELD STUDY

Name of the program	Department	Project work, etc. assigned	Project work, etc. completed [%]
UG PHYSICS	PHYSICS	40	100

1d PROGRESSION TO HIGHER STUDY

Name of the program	Department	UG to PG [%]	PG to Ph.D. [%]
UG PHYSICS	PHYSICS	>10	NIL

1e DROP OUT

S. No.	Name of the program	Number of students enrolled	Number of students who have left the program	Dropouts [%]
1	PHYSICS	126	3	2.38

1f PTR

S No.	Department	Regular teachers	Ad-hoc/Part time teachers	Guest teachers	Total teachers [a]	Total students [b]	PTR [b/a]
1	PHYSICS				6	123	20.5

1g ACHIEVEMENTS

S. No.	Department	Activity	First prize	Second prize	Third prize	Participation
1	PHYSICS					

1h RESEARCH FELLOWSHIP/SCHOLARSHIP

S. No.	Department	RA/PDF	NET/GATE	Scholarship [State/University level]	Research Assistant
1	PHYSICS			65	

1i NO. OF UP SKILLING /RESKILLING COURSES OFFERED

S. No.	Department	Name of the skilling course	Date introduced [dd/mm/yy]
1	PHYSICS		

2a TEACHING BY FACULTY

Sl No	Subject	Name of the faculty	Number of periods assigned per week in the time table (a)	Name of periods actually engaged per week (b)	Ratio (b/a)
1	Physics	Dr. Saroj Kumar Sahu	33	32	0.96
2	Physics	Sri Nirakar Prasad Samantaray	22	20	0.90
3	Physics	Mrs. Debasmita Rout	25	24	0.96
4	Physics	Sri Manoranjan Sahoo	24	21	0.87
5	Physics	Miss B.Pritibanya Subhalaxmi	26	25	0.96
6	Physics	Sri Brundaban Pradhan	27	25	0.92
7	Physics	Sri Satyabrata Dash	27	25	0.92

2c RESEARCH PROJECT PER INDIVIDUAL TEACHER

S. No.	Subject	Name of the Faculties	Project details					
			Title of the project	Funding agency	Tenure:	Amount sanctioned	Major/Minor	Ongoing/
					From - To			Completed
1	Physics	Dr. Saroj Kumar Sahu						
2	Physics	Sri Nirakar Prasad Samantaray						
3	Physics	Mrs. Debasmita Rout						
4	Physics	Sri Manoranjan Sahoo						
5	Physics	Miss B.Pritibanya Subhalaxmi						
6	Physics	Sri Brundaban Pradhan						
7	Physics	Sri Prasanta Kumar Tripathy						
8	Physics	Sri Satyabrata Dash						

2d PUBLICATIONS PER INDIVIDUAL TEACHER

S. No	Department	Name of the author/s	Year of publication	Title of paper	Name of journal	Volume and Page numbers	ISSN/e-ISSN, if any
1		Dr Nirakar Samantray		Studies of Structural, Dielectric and Impedance Spectroscopy of Ca/Zr Modified BiFeO ₃ Ceramics	Materials Chemistry and physics		https://doi.org/10.1016/j.matchemphys.2020.124115
2		Dr Nirakar Samantray		Studies of Structural, Dielectric and Impedance Spectroscopy of Sr/ Zr Modified BiFeO ₃ ceramics	Physica B: Physics of Condensed Matter		https://doi.org/10.1016/j.physb.2021.413546
3		Dr Nirakar Samantray		Studies of Structural, Dielectric and Impedance Spectroscopy of Electroceramics: (Ba _{0.05} Bi _{0.95})(Fe _{0.95} Zr _{0.05})O ₃	Ferroelectrics		https://doi.org/10.1080/00150193.2022.2034433
4		Dr Nirakar Samantray		Studies of Structural, Dielectric and Electrical Properties of Ba/ Zr Modified BiFeO ₃ Electroceramics	Journal of Electroceramics		https://doi.org/10.1007/s10832-023-00307-z

2e PATENT/PRODUCT/COPY RIGHT/POLICY DOCUMENT

S No.	Name of the faculty	Patent/Product/Copyright/Policy document code	International/ National	Date submitted	Date registered/approved

2f SEMINAR/SYMPOSIUM etc. ATTENDED PER INDIVIDUAL TEACHER

S. No.	Department	Name of the faculty	Name of the Seminar/ Symposium, etc.	Date:	International/ National	Paper presented/ Attended
				From - To		
1	Physics	Sri Nirakar Prasad Samantaray	NATIONAL SEMINAR ON FERROELECTRICS AND DIELECTRICS - 2018,			Dielectric and Impedance Spectroscopy of Lead-Free Electroceramics: (Ba _{0.05} Bi _{0.95})(Fe _{0.95} Zr _{0.05}) O ₃
		Sri Nirakar Prasad Samantaray	NATIONAL CONFERENCE ON SCIENCE AND TECHNOLOGY OF FUNCTIONAL MATERIALS (STFM-2019), S'O'A (Deemed to be University),			Studies of Structural, Dielectric and Impedance Spectroscopy of Lead-Free Electroceramics: (Ca _{0.1} Bi _{0.9})(Fe _{0.9} Zr _{0.1})O ₃
		Sri Nirakar Prasad Samantaray	NATIONAL WORKSHOP ON SCIENCE AND TECHNOLOGY OF LOW DIMENSIONAL SYSTEMS (STLD-2019), S'O'A (Deemed to be University)			Studies of Structural, Dielectric and Impedance Spectroscopy of Lead-Free Electroceramics: (Ca _{0.1} Bi _{0.9})(Fe _{0.9} Zr _{0.1})O ₃
		Sri Nirakar Prasad Samantaray	NATIONAL SEMINAR ON FERROELECTRICS AND DIELECTRICS- 2021, RTM, NAGPUR UNIVERSITY, NAGPUR			Studies of Structural, Dielectric and Impedance Spectroscopy of Lead-Free Electroceramics: (Ba _{0.05} Bi _{0.95})(Fe _{0.95} Zr _{0.05})O ₃
		Sri Nirakar Prasad Samantaray	INTERNATIONAL CONFERENCE OF INTERNATIONAL ACADEMY OF PHYSICAL SCIENCES (CONIAPS XXVII), University of Kashmir (UOK)			Studies of Structural, Dielectric and Impedance Spectroscopy of Lead-Free Electroceramics: (Ba _{0.1} Bi _{0.9})(Fe _{0.9} Zr _{0.1})O ₃

2g SERVED AS RESOURCE PERSON, etc. PER INDIVIDUAL TEACHER

S. No.	Department	Name of the faculty	Name of the Seminar/ Symposium, etc.	Date:	International/ National	Type of contributions
				From - To		
1	PHYSICS					

2h MEMBERSHIP IN EDITORIAL BOARD OF RESOURCE JOURNALS

S. No.	Department	Name of the faculty	Status (Editor/Associate Editor/Member)	Name of the Research journal	ISSN/e-ISSN
1	Physics				

2i EXECUTIVE POSITION IN PROFESSIONAL BODIES

S. No.	Department	Name of the faculty	Name of the professional body	Type of position	Tenure:
					From – To
1	PHYSICS				

2k TRAINING PROGRAMME

S. No.	Department	Name of the faculty	FDP/FI P/RC/O P	Internatio nal/ National	Name of the organizer of the FDP/FIP	Tenure:
						From – To
1	PHYSICS					

2j MEMBERSHIP IN PROFESSIONAL BODIES

S. No.	Department	Name of the faculty	Name of the professional body	International/ National	Life member / Annual/ Sessional member	Tenure:
						From – To
1	PHYSICS					

2| AWARDS/HONOURS

S. No.	Department	Name of the faculty	Name of the Fellowship/Award	Name of the National/State Academy	Name of the Government (Central/State)	Year of the Award
1	PHYSICS					

2m ADMINISTRATIVE POSITIONS

S. No.	Department	Name of the faculty	Administrative position (mention tenure in the cell)			
			Dean/Director	Chairman, BoS/	Proctor Superintendent of Hostel	Mention others, if any
				HoD/Coordinator		
1	PHYSICS					

2n CONTRIBUTION TO UNIVERSITY/COLLEGE EXAMINATION

S. No.	Department	Name of the faculty	Contribution to University/College			
			Superintendent/ Assistant Superintendent	Paper setter/ Evaluator	Invigilation/ Flying squad member	Mention others, if any
1	PHYSICS					

3a INFRASTRUCTURE DEVELOPMENT

S. No.	Year of Assessment	Computers added	
		Number of Computers	Specifications
1	PHYSICS		

3b BOOKS INCLUDING E-BOOK ADDED PER STUDENT

S. No.	Department	Year of assessment	Book/e-Books added		
			Number of books added per student	e-books added per student	Total number added per student
1	PHYSICS				

3c INTERNET/WIFI/INTRANET FACILITY WITH COVERAGE IN THE DEPARTMENT

S. No.	Department	Year of assessment	Internet coverage	
			LAN	WiFi
			1	PHYSICS

3d LAB EQUIPMENT ADDED TO THE DEPARTMENT

S. No.	Department	Year of assessment	Equipment added		
			Up to 2.0 lakh	Up to 10.0 lakh	>10.0 lakh
1	PHYSICS				

3e SMART/SEMI-SMART CLASSROOMS AVAILABLE IN THE DEPARTMENT

S. No.	Department	Year of assessment	Smart/Semi-smart classroom available		
			Up to 2.0	Up to 4.0	>4.0
1	PHYSICS				

3f EXPENDITURE ON OTHER INFRASTRUCTURE IN THE DEPARTMENT

S. No.	Department	Year of assessment	Other infrastructure added, other than mentioned under 3(a-e)		
			Up to 1.0 lakh	Up to 5.0 lakh	>5.0 to ≥10.0 lakh
1	PHYSICS				

4a POPULARITY OF PROGRAMS OFFERED BASED ON SAMS DATA

S. No.	Department	Number of first preferences based on SAMS data [a]	Total number of approved and available seats [b]	Popularity Index [a/b]
1	PHYSICS			

4b SEMINAR/SYMPOSIUM

S. No.	Department	Name of the event	Date [dd/mm/yy]:	Internati onal	National	Numbe r of particip ants	Numbe r of invited speaker s
			From - To				
1	PHYSICS	Current Trends in Physics	17.02.2 023		Department Level	90	

4c STAFF COUNCIL MEETING

S. No.	Department	Date [dd/mm/yy]	Number of members attended	Proceedings circulated [Y/N]	Posted to the HEI's website [Y/N]
1	PHYSICS				

4d DRC MEETING

S. No.	Department	Date [dd/mm/yy]	Number of members attended	Proceedings circulated [Y/N]	Posted to the HEI's website [Y/N]
1	PHYSICS				

4e BOS MEETING/SYLLABUS REVISION

S. No.	Department	Date [dd/mm/yy]	Number of members attended	Proceeding s circulated [Y/N]	Posted to the HEI's website [Y/N]	Syllabus revision
						(in %)
1	PHYSICS	18.11.2022	09	YES	NO	0

4f VISIT OF PEERS/EXPERTS

S. No.	Department	Name of the visitor	Specialization of the visitor	Date of visit [dd/mm/yy]	Delivered lecture [Y/N]	Interaction with students and teachers [Y/N]
1	PHYSICS					

4g GRANTS RECEIVED FROM FUNDING AGENCY

S. No.	Department	Title of the project	The thrust area of research	Name of the funding agency	Amount of grants received [in lakh]	Tenure of the project
						From – To
1	PHYSICS					

4h DEPARTMENT MAGAZINE/JOURNAL

S. No.	Department	Title of the serials/ periodicals	Broad area of coverage	If submissions are peer-reviewed [Y/N]	Frequency	ISSN/e-ISSN or Registration No.	If cited in UGC-CARE list of journals [Y/N]
1	PHYSICS						

4i CONSULTANCY OFFERED

S. No.	Department	Areas in which consultancy offered	Names of the faculty involved	Funds mobilized through consultancy			If consultancy offered is published on the website
				Up to 1.0 lakh	Between 1.0 and 10.0 lakh	>10.0 lakh	
1	PHYSICS						

4j k | ALUMNI ASSOCIATION REGISTRATION/MEETING/CONTRIBUTION

S. No.	Department	If Alumni Association is registered [Y/N]	Frequency of meetings of the Alumni Association	Funds mobilized through Alumni			If details of the Alumni Association are published on the website
				Up to 1.0 lakh	Between 1.0 and 10.0 lakh	>10.0 lakh	
1	PHYSICS						

4m PARENT TEACHER MEETING

S. No.	Department	Frequency of Parent-Teacher meeting	Date of the last meeting held [dd/mm/yy]	Number of parents attended the last meeting	If, action taken report (ATR) is generated	If, ATR is published on the website
1	PHYSICS	02	25.02.2023	24	YES	NO

4n o COLLABOARTIVE JOINT PROGRAM/MOU SIGNED

S. No.	Department	Name of peer institutions with whom collaborative programs/MoUs signed	Number of collaborative programs/MoUs			Output: Publication/Product/	If, collaborative programs and MoUs are published on the website [Y/N]
			Foreign	National	State/Regional	Programs [Give numbers only]	
1	PHYSICS						

4p OUTREACH ACTIVITY

S. No.	Department	Do you have a public outreach cell (POC) in your HEI? [Y/N]	Number of outreach activities			If, POC activities are published on the website [Y/N]
			Public lectures	Village adoption	Others, if any	
1	PHYSICS					

4q MENTOR-MENTEE MEETING IN A SEMESTER

S. No.	Department	Frequency of Mentor-Mentee meeting	Date of the last meeting held [dd/mm/yy]	The number of mentees who benefited	If proceedings of the meeting drafted [Y/N]	If, proceedings are published on the website
1	PHYSICS	03	28.03.2023	16	YES	NO

THANK YOU