



QUARTERLY PROFILE OF TEACHING STAFF

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Fields with unavailable data, must be indicated with N/A

1. BASIC INFORMATION											
1	ASSESSMENT YEAR	2022-23									
2	QUARTER (PERIOD)	I (01.02.2022 – 30.04.2022)									
3	NAME OF INCUMBENT	Dr. Samrat Dey									
4	EMPLOYEE ID NO.	197									
5	DESIGNATION	Assistant Professor									
6	DEPARTMENT	Physics									
7	DATE OF BIRTH (DD-MM-YYYY)	1	8	1	2	1	9	8	3		
8	PRIMARY MOBILE NO. (WITH WHATSAPP)	9	8	5	4	6	5	5	0	9	7
9	SECONDARY MOBILE NO.	N/A									
10	E-MAIL (OFFICIAL)	samratdey@pragjyotishcollege.ac.in									
11	E-MAIL (PERSONAL)	samratdgr8@gmail.com									
12	PRESENT RESIDENTIAL ADDRESS	Flat No. E-1B, Unicorn Towers, Bhangagarh, Guwahati – 781005.									
13	PERMANENT ADDRESS (if different from Sl. 12)	N/A									

2. COURSES COVERED IN DIFFERENT PROGRAMS DURING THE QUARTER

Program (M.A., B.A.)	Sem/Year (I Sem, I Year)	Course No. (e.g.HC-AS-1016)	Topics covered	No. of classes (1 hour duration)
H.S.	I Year	PHYSICS	<ul style="list-style-type: none"> • Motion of System of Particles and Rigid Body • Behaviour of perfect Gases and Kinetic Theory of Gases • Oscillations and Waves • Practical 	40
H.S.	II Year	PHYSICS	<ul style="list-style-type: none"> • Dual Nature of Matter and Radiation • Atoms and Nuclei • Practical 	10
B.Sc.	I Sem	PHY-HC-1016	<ul style="list-style-type: none"> • First and Second order Differential Equations • Orthogonal Curvilinear Coordinates • Dirac Delta function and its Properties • Introduction to Probability 	15
B.Sc.	I Sem	PHY-HG-1016	<ul style="list-style-type: none"> • Elasticity • Special Theory of Relativity 	7
B.Sc.	III Sem	PHY-HC-3016	<ul style="list-style-type: none"> • Frobenius Method and Special Functions • Partial Differential Equations • Some Special Integrals • Fourier Series • Lab (Solution of First order ODE, Generation of Special functions) 	20
B.Sc.	III Sem	PHY-HC-3026	<ul style="list-style-type: none"> • Lab (To study the variation of Thermo-emf of a Thermocouple with Difference of Temperature of its Two Junctions, To determine the Coefficient of Thermal Conductivity of a bad conductor by Lee and Charlton's disc method) 	4
B.Sc.	III Sem	PHY-SE-3074	<ul style="list-style-type: none"> • Sources and Detectors 	2
B.Sc.	III Sem	PHY-HG-3016	<ul style="list-style-type: none"> • Lab (To study the variation of Thermo-emf of a Thermocouple with Difference of Temperature of its Two Junctions, To determine the Coefficient 	4

			of Thermal Conductivity of a bad conductor by Lee and Charlton's disc method)	
B.Sc.	V Sem	PHY-HC-5016	<ul style="list-style-type: none"> • Time Dependent Schrödinger Equation • Time Independent Schrödinger Equation • Bound States • Hydrogen-like Atoms • Atoms in Electric & Magnetic Fields • Lab (Solve the s-wave Schrödinger equation for the ground state and the first excited state of the hydrogen atom) 	15
B.Sc.	V Sem	PHY-HC-5026	<ul style="list-style-type: none"> • Lab (To draw the B-H curve of Fe using Solenoid & determine energy loss from Hysteresis, To measure the resistivity of a semiconductor (Ge) with temperature by four-probe method (room temperature to 150° C) and to determine its band gap.) 	2
B.Sc.	V Sem	PHY-HE-5056	<ul style="list-style-type: none"> • General Properties of Nuclei • Nuclear Models • Radioactivity decay • Nuclear Reactions • Interaction of Nuclear Radiation with matter • Particle physics 	15
No. of classes in ICT-mode: 0			No. of classes in non-ICT mode: 134	

3. EXTENSION AND OUTREACH ACTIVITIES UNDERTAKEN DURING THE QUARTER

Title of Activity Organized	Primary	Collaborating	Dates	No. of
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	Organizing Unit	Unit (if any)	(From-To)	Participants
Title of Activity Organized	Supporting photographs			

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4. STUDENT RELATED ACTIVITIES DURING THE QUARTER (Details within 100 words)	
Bridge Courses	
Programs for Slow and Advanced Learners	
Experiential Learning	
Participative Learning	
Problem Solving Methodologies	
Remedial Classes	Remedial classes were taken from 5/4/22 to 7/4/22 for 1 st year Higher Secondary students who were lagging behind in practical.
Tutorial Classes	
Field Studies/Works	
Extension/Outreach/ Community welfare activities	
Institutional Visits	
Student Exchange Programs	
Student Internship Programs	
On-the-Job Trainings	
Teacher Exchange Programs	
Student Seminars	
Home Assignments	

Project Works	
Add-On Programs	
Library Usage	
Discussion of evaluated answer-scripts	
Student career counselling	
Training on soft skills	
Training on communicative skills	
Conduct of debates	
Conduct of extempore speech	
Group Discussions	
Mentor-Mentee activities	
Others	Organiser for National Graduate Physics Examination 2022 at Pragjyotish College on 27/03/2022.

5. ANY OTHER WORKS PERTAINING TO THE OVERALL DEVELOPMENT OF THE COLLEGE DURING THE QUARTER (Details within 100 words)

Participation in CCS meetings of affiliating University	
Design and Development of Curriculum for Add-On/Certificate/ Diploma Programs	
Involvement with examination works, e.g. setting of question papers, conduct of exams, invigilation duties, evaluation works, moderation works, scrutiny works, etc.	Setting question papers, Invigilation duty, evaluation work,
Involvement with the review exercise of teaching-learning, structures and methodologies of operations, learning outcomes of the institution	
Involvement with green campus initiatives	
Involvement with audit exercises	
Involvement with sensitization programs on Constitutional obligations (values, rights, duties and responsibilities) of citizens	
Involvement with celebration and organization of national/international commemorative days, events and festivals	
Contribution towards development of collaborations, linkages and signing of MoUs with different organizations; Activities conducted under MoUs	Member of the delegation which went for signing the MoU Assam Don Bosco University
Involvement with college admission process	
Involvement with student union election	Polling offer in PCSU Election 2022
Involvement with In-House bodies	Involvement as <ul style="list-style-type: none"> • Member of IQAC of the college. • Nodal Officer of Standards Club for the college
Involvement with sports/games activities	
Involvement with cultural activities	
Others	Involved in the recruitment process of Pragjyotish College.

6. ACADEMIC WORKS DURING THE QUARTER

A. RESEARCH PROJECTS

Type of Project (Major/Minor/ Interdisciplinary/ Industry-sponsored/ University or College sponsored/ Student Research/ International/Others	Funding Agency	Date of Sanction	Amount Sanctioned	Amount received during the period

B. RESEARCH ARTICLES

Title of Publication	Name of Journal/ Volume (ISBN/ISSN if any)	UGC-CARE listed (Yes/ No)	Impact Factor (if any)	Citation Index (if any)	h-index (if any)	Category of Publication (Journal/ Book/ Edited Volume/ Chapter in Edited Volume/ Conference Proceeding)

C. OTHER PUBLICATION WORKS

Title of Publication	Name of Volume	Category of Publication (Book/ Magazine/ Edited Volume/ Chapter in Edited Volume/ Newspaper)	Date of publication	ISSN/ISBN (if any)

D. ACADEMIC EVENTS/ MEETS ATTENDED			
Title of Meet	Category (Conference/Seminar/Webinar/ Workshop/RC/OP/STC/FDP,etc.	Name (s) of Organizer	Dates (From – To)
Foundation Day Lecture of PANE	Seminar	PANE	06/04/22

E. ACADEMIC EVENTS/MEETS ORGANIZED					
Title(s) of Event Organized	Type (Seminar/ Conference/ Webinar/ Workshop/ Training Program)	Dates (From– To)	Collaborating Unit (if any)	Category (International/ National/ Regional/ Local/ Institutional)	No. of Participants

I hereby declare that the facts and figures mentioned in this format as above, are correct, authentic and true to my knowledge and belief.

I further understand that, any misrepresentation and suppression of fact and figures shall be appropriately dealt with by my superior authority as per established procedural norms.



(Digital Signature of the Incumbent)



1. Rows may be added in tables given in Sections 2, 3, 6 A - E (if required)

2. This form should be submitted as E-mail attachment (as pdf copy) to the following E-mail ID:
coordinatoriqac@pragjyotishcollege.ac.in