



# 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	Saumar Rajkhowa									
4	EMPLOYEE ID NO.	197									
5	DESIGNATION	Associate Professor									
6	DEPARTMENT	Physics									
7	DATE OF BIRTH (DD-MM-YYYY)	1	8	0	1	1	9	6	8		
8	PRIMARY MOBILE NO. (WITH WHATSAPP)	8	6	3	8	2	2	8	2	7	0
9	SECONDARY MOBILE NO.	N/A									
10	E-MAIL (OFFICIAL)	saumarrajkhowa@pragjyotishcollege.ac.in									
11	E-MAIL (PERSONAL)	Saumarrajkhowa027@gmail.com									
12	PRESENT RESIDENTIAL ADDRESS	Flat No. A-5, Giri Nivas apartments, Kharghuli, Guwahati - 781004.									
13	PERMANENT ADDRESS (if different from Sl. 12)	N/A									

**2. COURSES COVERED IN DIFFERENT PROGRAMS DURING THE QUARTER**

<b>Program</b> (M.A., B.A.)	<b>Sem/Yea r</b> (I Sem, I Year)	<b>Course No.</b> (e.g.HC-AS- 1016)	<b>Topics covered</b>	<b>No. of classe s</b> (1 hour durati on)
H.S.	I Year	PHYSICS	<ul style="list-style-type: none"> <li>• Scalars and vectors.</li> <li>• Motion in a plane, Projectile motion , Uniform circular motion</li> <li>• Newton's laws of motion</li> <li>• Practical</li> </ul>	45
H.S.	II Year	PHYSICS	<ul style="list-style-type: none"> <li>• Current electricity</li> <li>• Magnetic effect of electric current, Electromagnetic induction, alternating current</li> <li>• Practical</li> </ul>	10
B.Sc.	I Sem	PHY-HC-1016	<ul style="list-style-type: none"> <li>• Fundamentals of dynamics, reference frames, Newton's laws</li> <li>• Gravitation and central force motion, Potential and field, Kepler's laws</li> <li>• Non inertial frame of reference, centrifugal force, Coriolis force</li> </ul>	12
B.Sc.	III Sem	PHY-HC-3026	<ul style="list-style-type: none"> <li>• Zeroeth and first law of thermodynamics</li> <li>• Second law of thermodynamics</li> <li>• Entropy</li> <li>• Thermodynamic potential</li> <li>• Maxwell's thermodynamic relations</li> <li>• Practicals</li> </ul>	13
B.Sc.	III Sem	PHY-SE-3074	<ul style="list-style-type: none"> <li>• Lasers</li> <li>• Holography</li> <li>• Fibre optics</li> <li>• Lab</li> </ul>	15
B.Sc.	III Sem	PHY-HG-3016	<ul style="list-style-type: none"> <li>• Lab</li> </ul>	6
B.Sc.	V Sem	PHY-HC-5026	<ul style="list-style-type: none"> <li>• Crystal structure, diffraction of X-rays, Bragg's law</li> <li>• Elementary lattice dynamics, Theories of specific heat of solids</li> <li>• Lab (To draw the B-H curve of Fe using Solenoid &amp; 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.)</li> </ul>	3

<b>No. of classes in ICT-mode: 0</b>			<b>No. of classes in non-ICT mode: 134</b>	

<b>3.EXTENSION AND OUTREACH ACTIVITIES UNDERTAKEN DURING THE QUARTER</b>				
Title of Activity Organized	Primary Organizing Unit	Collaborating Unit (if any)	Dates (From-To)	No. of Participants
Title of Activity Organized	Supporting photographs			


<b>4. STUDENT RELATED ACTIVITIES DURING THE QUARTER (Details within 100 words)</b>	
<b>Bridge Courses</b>	
<b>Programs for Slow and Advanced Learners</b>	
<b>Experiential Learning</b>	
<b>Participative Learning</b>	
<b>Problem Solving Methodologies</b>	
<b>RemedialClasses</b>	Remedial classes were taken from 5/4/22 to 7/4/22 for 1 <sup>st</sup> year Higher Secondary students who were lagging behind in practical.
<b>TutorialClasses</b>	
<b>Field Studies/Works</b>	

<b>Extension/Outreach/ Community welfare activities</b>	
<b>InstitutionalVisits</b>	
<b>Student ExchangePrograms</b>	
<b>Student InternshipPrograms</b>	
<b>On-the-JobTrainings</b>	
<b>Teacher ExchangePrograms</b>	
<b>StudentSeminars</b>	
<b>HomeAssignments</b>	
<b>ProjectWorks</b>	
<b>Add-OnPrograms</b>	
<b>LibraryUsage</b>	
<b>Discussion of evaluated answer-scripts</b>	
<b>Student career counselling</b>	
<b>Training on soft skills</b>	
<b>Training on communicative skills</b>	
<b>Conduct of debates</b>	
<b>Conduct of extempore speech</b>	
<b>Group Discussions</b>	
<b>Mentor-Mentee activities</b>	
<b>Others</b>	

**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
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	
Involvement with college admission process	
Involvement with student union election	
Involvement with In-House bodies	
Involvement with sports/games activities	
Involvement with cultural activities	

<b>Others</b>	Involved in the recruitment process of Pragjyotish College.
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**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)

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

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

*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.*

*Saumar Rajivara*

**(Digital Signature of the Incumbent)**

1. Rows may be added in tables given in **Sections 2, 3, 6A-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**