



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. Priyakshree Borthakur									
4	EMPLOYEE ID NO.	195									
5	DESIGNATION	Assistant Professor									
6	DEPARTMENT	Chemistry									
7	DATE OF BIRTH (DD-MM-YYYY)	2	0	0	7	1	9	9	0		
8	PRIMARY MOBILE NO. (WITH WHATSAPP)	9	1	2	7	0	5	7	3	1	2
9	SECONDARY MOBILE NO.	9	3	6	5	0	5	9	0	3	6
10	E-MAIL (OFFICIAL)	priyakshreeborthakur@pragjyotishcollege.ac.in									
11	E-MAIL (PERSONAL)	mborthakur9@gmail.com									
12	PRESENT RESIDENTIAL ADDRESS	Nabanita Nibas, Santipur, Guwahati-781009									
13	PERMANENT ADDRESS (if different from Sl. 12)	Kamar Gaon, P.O. Kamar Gaon Chariali, Dergaon, Golaghat-785614, Assam									

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)
B.Sc.	I Sem	CHE-HC-1016	Molecular orbital theory	04
			Molecular orbital diagram of homonuclear diatomic molecules	
			Polarization of ions	
			Intermolecular forces	
B.Sc.	I Sem	CHE-HC-1026	Plane of Symmetry, Improper axis of rotation	12
			Successive operations on molecules	
			Point group symmetry, Determination of point group of different molecules	
			Space group symmetry, Translational elements of symmetry, External and internal space groups	
			Bragg's law, Defects in crystal	
B.Sc.	V Sem	CHE-HC-5026	Electronic spectroscopy, Woodward-Fiesher rule for conjugated dienes	04
			Atomic and molecular term symbols	
B. Sc.	V Sem	CHE-HC-5026 (P)	Study of pH-dependence of the UV-vis spectrum of $K_2Cr_2O_7$	02
			Determination of λ_{max} values from UV-vis spectra of $KMnO_4$ and $K_2Cr_2O_7$	
			Analysis of UV-vis spectra of different organic compounds	
B. Sc.	IV Sem	CHE-HC-4016 (P)	Introduction to coordination complexes, Werner's theory	12
			Estimation of nickel(II) using dimethylglyoxime (DMG)	
			Estimation of copper as $CuSCN$	
			Preparation of Tetraamminecopper(II) sulphate	
			Preparation of Cis and Trans potassium dioxalato diaquachromate (III)	
			Chromatography separation of Ni(II) and Co(II) present in a mixture	

B. Sc.	VI Sem	CHE-HC-6016	Mechanism of Inorganic reactions, Stability of complexes	04
B. Sc.	VI Sem	CHE-HC-6016 (P)	Analysis of acid and basic radicals present in an inorganic salt	09
H.S.	1 st year	----	Hybridisation, VSEPR theory, Molecular orbital theory	05
			Qualitative analysis of acid radicals present in different inorganic salts, Acid-base titration	04
H.S.	2 nd year	----	Preparation of Mohr's salt; Project work	04
No. of classes in ICT-mode:03			No. of classes in non-ICT mode: 57	

3. EXTENSION AND OUTREACH ACTIVITIES UNDERTAKEN DURING THE QUARTER

Title of Activity Organized	Primary Organizing Unit	Collaborating Unit (if any)	Dates (From-To)	No. of Participants
National Science Day, 2022	Department of Chemistry, Pragjyotish College	KRB Girl's High School	28-02-2022	45
Videography on different experiments related to H.S. Practical syllabus	Department of Chemistry, Pragjyotish College	NECTAR (DST, GOI sponsored project)	31-03-2022 & 07-04-2022	15

Title of Activity Organized	Supporting photographs			
National Science Day, 2022				
Videography on different experiments related to H.S. Practical syllabus				

4. STUDENT RELATED ACTIVITIES DURING THE QUARTER (Details within 100 words)	
Bridge Courses	N/A
Programs for Slow and Advanced Learners	N/A
Experiential Learning	All practical classes are experimental learning. In each practical class, theory is taught before starting the experiment.
Participative Learning	Applied QBPT methodology for Participating Learning.
Problem Solving Methodologies	Done; Discussed about the methodologies which can be used in different national/state level competitive examinations.
Remedial Classes	Yes, 01 class
Tutorial Classes	M. Sc. entrance Exam oriented questions are discussed amongst the students from time to time.
Field Studies/Works	N/A
Extension/Outreach/ Community welfare activities	Done, National Science day celebration in K.R.B Girls' School on 28 th February, 2022
Institutional Visits	Visited K. R. B. Girls' High School
Student Exchange Programs	N/A
Student Internship Programs	N/A
On-the-Job Trainings	N/A
Teacher Exchange Programs	N/A
Student Seminars	Conducted seminars among the students of B.Sc. 5 th Semester on the topics related to Chemistry Syllabus. 04/03/2022, 08/03/2022 and 10/03/2022
Home Assignments	Given to students of 1 st , 3 rd and 5 th Semester students
Project Works	N/A
Add-On Programs	N/A
Library Usage	Visited library to read text books, magazines and newspapers and borrow text books.
Discussion of evaluated answer-scripts	Done; Discussed the sessional examination's answer-scripts.
Student career counselling	Campus interview was carried out for B.Sc. students by Marico Limited, Brahmaputra Industrial Park, North Guwahati-781101, in collaboration with Department of Chemistry and career Counselling Cell, Pragjyotish College.
Training on soft skills	Guided the 5 th semester students in preparation of presentations in Microsoft power-point, and use of software like Origin8 Pro.
Training on communicative skills	Helped students in preparing presentation, communication and speaking
Conduct of debates	N/A
Conduct of extempore speech	N/A
Group Discussions	N/A
Mentor-Mentee activities	Discussed different academic and personal matters with students assigned.
Others	N/A

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	N/A
Design and Development of Curriculum for Add-On/Certificate/ Diploma Programs	N/A
Involvement with examination works, e.g. setting of question papers, conduct of exams, invigilation duties, evaluation works, moderation works, scrutiny works, etc.	Yes 1. Setting of question papers for H.S. 1 st year Test Examination 2. Evaluating and scrutinizing of answer scripts of H.S. 1 st year Test Examination 3. Setting of question papers for H.S. 2 nd year Pre-final Test Examination 4. Evaluating and scrutinizing of answer scripts of H.S. 2 nd year Pre-final Test Examination 5. Invigilation duties in various examinations held in College 6. Internal Examiner duties in Practical examination for both H.S. and B.Sc. levels
Involvement with the review exercise of teaching-learning, structures and methodologies of operations, learning outcomes of the institution	Received feedback report from students and worked on enhancement.
Involvement with green campus initiatives	Maintaining waste disposal for laboratory
Involvement with audit exercises	N/A
Involvement with sensitization programs on Constitutional obligations (values, rights, duties and responsibilities) of citizens	N/A
Involvement with celebration and organization of national/international commemorative days, events and festivals	Yes, Celebration of National Science Day, 2022
Contribution towards development of collaborations, linkages and signing of MoUs with different organizations; Activities conducted under MoUs	Discussed with the faculty members of Pandu College regarding new MOU
Involvement with college admission process	Member of HS 1 st year (Science stream) Admission committee
Involvement with student union election	Polling Officer duty in PCSU election, 2022
Involvement with In-House bodies	Member of AQAR Sub-committee IV, IQAC
Involvement with sports/games activities	N/A
Involvement with cultural activities	Yes. Present as a guest in the Farewell function organized by the cadets of 60 Assam Girl's Bn NCC
Others	Care Taker Officer, 60 Assam Girl's Bn NCC, 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
N/A	N/A	N/A	N/A	N/A

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)
N/A	N/A	N/A	N/A	N/A	N/A	N/A

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)
*A book chapter on “Graphene quantum dots in environmental applications” has been submitted. Publisher: Elsevier				

D. ACADEMIC EVENTS/ MEETS ATTENDED

Title of Meet	Category (Conference/Semi nar/Webinar/ Workshop/RC/OP /STC/FDP, etc.	Name (s) of Organizer	Dates (From – To)
National Workshop on Good Laboratory Practices in Biological & Chemical Sciences	Workshop	Bhaskaracharya College of Applied Sciences, University of Delhi & Mehr Chand Mahajan DAV College for Women, Chandigarh	10-03-2022
National Webinar on “Nanoscience: Big world of small Things	Webinar	Dhatu-The Chemical Forum, Department of Chemistry, Pragjyotish College	26-04-2022

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
National Webinar on “Nanoscience: Big world of small Things	Webinar	26-04-2022	Department of Chemistry, Delhi University	National	50

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, 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**