




# 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)	II(01.05.2022 – 31.07.2022)								
3	NAME OF INCUMBENT	DR. AMAR JYOTI DUTTA								
4	EMPLOYEE ID NO.	127								
5	DESIGNATION	ASST. PROFESSOR								
6	DEPARTMENT	MATHEMATICS								
7	DATE OF BIRTH (DD-MM-YYYY)	0	1	0	3	1	9	7	6	
8	PRIMARY MOBILE NO. (WITH WHATSAPP)	9	8	6	4	3	0	5	3	3
9	SECONDARY MOBILE NO.									
10	E-MAIL (OFFICIAL)	amar@pragjyotishcollege.ac.in								
11	E-MAIL (PERSONAL)	ajd008@rediffmail.com								
12	PRESENT RESIDENTIAL ADDRESS	Malina Apartment, Jayanagar, Tripura Road, Beltola, Guwahati-781022								
13	PERMANENT ADDRESS (if different from Sl. 12)	same								

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.	II	MAT-HC-2016: Real Analysis	Absolute convergence, rearrangement theorem, alternating series, Leibniz test, conditional (non absolute) convergence	15
B.Sc	IV	MAT-HC-4016: Multivariate Calculus	Volume by triple integrals, triple integration in cylindrical and spherical coordinates, Change of variables in double and triple integrals	16
B.Sc	IV	MAT-HC-4026: Numerical Methods (Practical)	(i) To Calculate the sum $1/1 + 1/2 + 1/3 + 1/4 + \dots + 1/N$ . (ii) To find the absolute value of an integer. (iii) Enter 100 integers into an array and sort them in an ascending order. (iv) Any two of the following (a) Bisection Method (b) Newton Raphson Method (c) Secant Method (d) Regulai Falsi Method (v) LU decomposition Method (vi) Gauss-Jacobi Method (vii) SOR Method or Gauss-Siedel Method (viii) Lagrange Interpolation or Newton Interpolation (ix) Simpson's rule.	10
B.Sc	VI	MAT-HC-6016: Complex Analysis (Practical)	1. Declaring a complex number and graphical representation. 2. Program to discuss the algebra of complex numbers. 3. To find conjugate, modulus and phase angle of an array of complex numbers. 4. To compute the integral over a straight line path between the two specified end points.	7
No. of classes in ICT-mode:17			No. of classes in non-ICT mode: 31	

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
Career Awareness Programme 2022	Department of Mathematics	--	6 <sup>th</sup> May 2022	70
Title of Activity Organized	Supporting photographs			
Career Awareness Programme 2022				

<b>4. STUDENT RELATED ACTIVITIES DURING THE QUARTER (Details within 100 words)</b>	
<b>Bridge Courses</b>	NA
<b>Programs for Slow and Advanced Learners</b>	Extra care is taken for the slow learner during and after the class by repeated explanation and providing extra study materials.
<b>Experiential Learning</b>	Experiential learning is applied in the theory classes as well as practical classes. Students are engaged in solving problem on the basis of the previous learning experience.
<b>Participative Learning</b>	Participative learning is applied in some of the theory and practical class where students are involved as actively in the learning process.
<b>Problem Solving Methodologies</b>	Problem solving method is an integral part in teaching Mathematics. This technique is applied in the theory classes and home assignment.
<b>Remedial Classes</b>	NA
<b>Tutorial Classes</b>	NA
<b>Field Studies/Works</b>	NA
<b>Extension/Outreach/ Community welfare activities</b>	NA
<b>Institutional Visits</b>	NA
<b>Student Exchange Programs</b>	NA
<b>Student Internship Programs</b>	NA
<b>On-the-Job Trainings</b>	NA
<b>Teacher Exchange Programs</b>	NA
<b>Student Seminars</b>	Seminars are conducted on different topics of their syllabus.
<b>Home Assignments</b>	Regular Home assignments are given in each topic of the course.
<b>Project Works</b>	Project work is allotted for the six semester students in one DSE Honours paper. Students have to present their project work in presence of external examiner.
<b>Add-On Programs</b>	NA
<b>Library Usage</b>	Students are always asked to visit the library to consult different reference books and to discuss and solve different problems on each topic.
<b>Discussion of evaluated answer-scripts</b>	Discussion on answer scripts of the class tests are always done in the class and students are asked to record their mistakes done during the test so that those must not to be repeated in the next exam.
<b>Student career counselling</b>	Workshop on career counselling and career information is conducted where they get different information on career and on different competitive exams.
<b>Training on soft skills</b>	NA
<b>Training on communicative skills</b>	NA

<b>Conduct of debates</b>	NA
<b>Conduct of extempore speech</b>	NA
<b>Group Discussions</b>	In the regular classes, group discussion method is adopted during the time of discussion on the topics and during the time of solving a problem.
<b>Mentor-Mentee activities</b>	As a mentor, proper guidance and counselling is given time to time to the mentees. In some cases, parents are called for discussion.
<b>Others</b>	NA

<b>5. ANY OTHER WORKS PERTAINING TO THE OVERALL DEVELOPMENT OF THE COLLEGE DURING THE QUARTER (Details within 100 words)</b>	
Participation in CCS meetings of affiliating University	NA
Design and Development of Curriculum for Add-On/Certificate/ Diploma Programs	NA
Involvement with examination works, e.g. setting of question papers, conduct of exams, invigilation duties, evaluation works, moderation works, scrutiny works, etc.	Member of HS exam committee of the college.
Involvement with the review exercise of teaching-learning, structures and methodologies of operations, learning outcomes of the institution	NA
Involvement with green campus initiatives	NA
Involvement with audit exercises	NA
Involvement with sensitization programs on Constitutional obligations (values, rights, duties and responsibilities) of citizens	NA
Involvement with celebration and organization of national/international commemorative days, events and festivals	NA
Contribution towards development of collaborations, linkages and signing of MoUs with different organizations; Activities conducted under MoUs.	NA
Involvement with college admission process	Took active role in the admission of the College for the session 2022-23.
Involvement with student union election	Took active role in the student's union body election of the College for the session 2022-23.
Involvement with In-House bodies	NA
Involvement with sports/games activities	NA
Involvement with cultural activities	NA
Others	Took active role in the college week and given proper guidance as one of the in-charge of student union body.

**6. ACADEMIC WORKS DURING THE QUARTER**

**A. RESEARCH PROJECTS**

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

**B. RESEARCH ARTICLES**

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

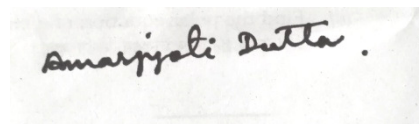
**C. OTHER PUBLICATION WORKS**

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

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 )		
Implementation of College Perspective Plane	Workshop	IQAC, Pragjyotish College	5 <sup>th</sup> July 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
Career Awareness Programme	workshop	6 <sup>th</sup> May 2022	NA	Institutional	70

*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](mailto:coordinatoriqac@pragjyotishcollege.ac.in)