

1	Name of the department		CHEMISTRY			
2	Year of Establishment		1962			
3	Names of Programmes/Courses offered (UG, PG, M.Phil., Ph.D., Integrated Masters; Integrated Ph.D., etc.)		UG, PG and Ph.D.			
4	Names of Interdisciplinary courses and the departments/units involved		None			
5	Annual/semester/choice based credit system(programme wise)		Semester based credit system			
6	Participation of the department in the courses offered by other departments		ICFAI, Flexible education (Participated by Dr. Phani Dutta in the year 2007)			
7	Courses in collaboration with other universities/industries/foreign institution etc.		PGDAC under IGNOU			
8	Details of courses/programmes discontinued (if any)with reasons		Analytical Chemistry PG Diploma			
9	Number of Teaching posts		Government		Adhoc /Part time	
			Sanctioned	Filled		
		Professor	-			
		Associate Professor	02	02	0	
	Asstt. Professor	07	06	01		
10	Faculty profile with name, qualification, designation, specialization,(D.Sc./D.Litt./Ph.D./M.Phil.etc.)					
	Name of the faculty	Designation	Highest qualification	Specialization	Experience (In years)	No. of Ph.D. Students guided for the last 4 years
	Sanctioned Posts					
	Dr. Ganesh Choudhury	M.Sc., Ph.D.	Associate Professor	Inorganic Chemistry	27	
	Dr. Phani Dutta	M.Sc., Ph.D.	Associate Professor	Physical Chemistry	21	
	Dr. Pradyut Sarma	M.Sc., Ph.D.	Assistant Professor	Inorganic Chemistry	14	
	Dr. Pradip Kr Bhattacharyya	M.Sc. Ph.D.	Assistant Professor	Physical Chemistry	12	08
	Dr. Pankaj Kalita	M.Sc., Ph.D.	Assistant Professor	Organic Chemistry	08	
	Dr. Pabitra Kr. Kalita	M.Sc. Ph. D.	Assistant Professor	Organic Chemistry	08	
	Dr. Monali Dutta Saikia	M.Sc Ph.D.	Assistant Professor	Physical Chemistry	06	04
	Dr. Susanta Kr Borthakur	M.Sc Ph.D	Assistant Professor	Organic Chemistry	05	
	Adhoc/ Parttimer: NIL					

11	List of senior visiting faculty	Nil					
12	Percentage of lectures delivered and practical classes handled(programme wise) by temporary faculty	Not applicable (N/A)					
13	Student-Teacher Ratio(programme wise)	Programe	Ratio				
		UG	Major	General			
		B. Sc. 1st Year	2:1				
		B. Sc. 2nd Year	2:1				
		B.Sc. 3rd Year	2:1				
14	Number of academic support staff(technical)and administrativestaff;sanctioned andfilled	Sanctioned	Filled				
		Nil	Nil				
15	Qualifications of teaching faculty with DSc/ D.Litt/ Ph.D/ MPhil/PG.	DSc/D.Litt	Ph.D	M.Phil	PG		
		-----	8				
16	Number of faculty with ongoing projects	a)National	b)International funding agencies and grants received:				
		06	0				
17	Departmental projects funded by DST -FIST; UGC, DBT, ICSSR, etc. and total grants received	Funding agency	Numbers of Projects	Amount			
		UGC	5	15 Lakhs			
		DST	1	28 lakhs			
18	Research Centre/ laboratory/ facility recognized by the University	Recognized as Ph. D. research centre by the Gauhati University.					
19	Publications (2009-15)						
	A. Nos. of papers published in Peer Reviewed /refereed Journal (National/International)						
	Name of the Faculty	2009-10	2010-11	2011-12	2012-13	2013-14	2014-15
	Dr. Phani Dutta	1					
	Dr. Pradyut Sarma			3	2	1	2
	Dr. Pradip Kr Bhattacharyya		1	3	4	3	12
	Dr. PankajKalita				1		2
	Dr. Pabitra Kr. Kalita					2	1
	Dr. Monali Dutta Saikia	1				3	2
	Dr. Susanta Kr Borthakur			1		1	1
	B. Nos. of Books/Chapters/articles						
	Name of the Faculty	2009	2010	2011	2012	2013	2014-15
	Dr. Ganesh Choudhury	--	--	--	--	2	--
	Dr. Phani Dutta				1		1
	Dr. Pradyut Sarma	--	--	--	--	--	--
	Dr.Pradip Kr Bhattacharyya	--	1	--	--	1	1
	Dr. Pabitra Kr. Kalita						2
DrMonali Dutta Saikia	2						
Dr.Susanta Kr Borthakur						1	
20	Areas of consultancy and income generated	Nil					

21	Faculty as members in : NIL		
	Name of the Faculty	Name of the international/ National/Regional State level Committees/ Editorial Board	Membership status (Life/Annual)
	Dr. Ganesh Choudhury	Assam Science Society	Life
	Dr. Phani Dutta	International Congress of Chemistry and environment	Fellow Member
		Assam Science Society	Life
	Dr. Pradyut Sarma	Indian Chemical Society	Life
	Dr. Pradip Kr Bhattacharyya	Chemical Research Society of India	Life
	Dr. Pankaj Kalita	Association of Chemistry Teacher	Life
	Dr. Monali Dutta Saikia	Indian Chemical Society	Life
		Association of Chemistry Teacher	Life
22	Student projects:		
	Percentage of students who have done in-house projects including interdepartmental/ programme	100% Students of Sixth Semester (Major) complete departmental projects as per requirements of GU Syllabus:	
	Percentage of students placed for projects in other organizations outside the students i.e. Research Laboratories/ Industry / and other agencies.	6.25%	
23	Awards/Recognitions received by faculty and students	Dr. Pabitra Kumar Kalita received the Indian Chemical Society Award in the 51 st annual convention of chemists, 2014 (Organized by Indian Chemical society) held at Kurukhetra University, Kurukhetra, Haryana, India, in the organic and bio-organic division.	
24	List of eminent academicians and scientists/visitors to the department	Name of the academicians / scientists / visitors	Year
		Professor. Birinchi Kumar Das, Gauhati University	2008
		Prof. Khanindra Pathak, IIT Kharagpur	2010
		Prof. Anil Saikia, IIT, Guwahati	2011
		Prof. Jubaraj Bikash Baruah, IIT, Guwahati	2011
		Prof. A. K. Prasad, D.U.	2011
		Dr. Prasanta J. Gautam	2015
25	Seminars/ Conferences/Workshops or organized & the source of funding National/ international		

26	Student profile (programme/course wise):																							
	Year	2009-10			2010-11			2011-12			2012-13			2013-14			2014-15							
	Programme	UG MAJOR			UG MAJOR			UG MAJOR			UG MAJOR			UG MAJOR			UG MAJOR							
	Enrolled	M	F	T	M	F	T	M	F	T	M	F	T	M	F	T	M	F	T					
	1 st Yr.	11	5	16	11	2	13	15	6	21	11	6	17	8	5	12	14	2	16					
	2 nd Yr.	8	6	14	5	4	9	11	2	13	11	6	17	11	6	17	8	5	13					
	3 rd Yr.	13	9	22	8	6	14	11	5	16	5	4	09	11	6	17	11	6	17					
	Total	32	20	52	24	12	36	37	13	50	27	16	43	30	17	47	33	13	46					
	Results of the Final Examination:																							
	Year	2009-10			2010-11			2011-12			2012-13			2013-14			2014-15							
	Programme	UG MAJOR			UG MAJOR			UG MAJOR			UG MAJOR			UG MAJOR			UG MAJOR							
	Enrolled	M	F	T	M	F	T	M	F	T	M	F	T	M	F	T	M	F	T					
	Appeared	06	07	13	0	06	06	04	04	08	11	02	13	09	06	15	09	07	16					
	Passed	06	07	13	0	06	06	04	04	08	11	02	13	09	06	15	05	02	07					
% of pass	100			100			100			100			100			44								
27	Diversity of Students																							
	UG Course			2009-10			2010-11			2011-12			2012-13			2013-14			2014-15					
	% of students from the same state			100			100			100			100			100			100					
	% of students from other States			0			0			0			0			0			0					
	% of students from abroad			0			0			0			0			0			0					
28	How many students have cleared national and state competitive examinations such as NET,SLET,GATE,Civil services,Defense services, etc.?(2009-2014)										Does not arise													
29	Student progression (2013-14):																							
	UG to PG										80%													
	PG to M.Phil.																							
	PG to Ph.D.																							
	Ph.D.toPost-Doctoral																							
	Employed •Campus selection •Other than campus recruitment										20 %													
Entrepreneurship/Self-employment																								
30	Details of Infrastructural facilities																							
	a. Library						Nos. of Books in the Departmental Library.						Nos. of Books of the concerned subject in the Central Library.						Journals/ Magazines					
							200						1034						20					
	b. Internet facilities for Staff & Students						One computer is available with internet connection																	
c. Class rooms with ICT facilities																								

	d. Laboratories (Give details)	Numbers of lab. for UG level students – 3 Numbers of lab. for PG level students – 01 Numbers of lab. for Research Scholars – 02					
31	Number of students receiving College, University, Government or other agencies.: NIL						
	Financial assistance from	2009-10	2010-11	2011-12	2012-13	2013-14	2014-15
	College						
	University/ Government						
32	a. Details on student enrichment programmes (special lectures/ workshops/ seminar) with external experts	2009-10	2010-11	2011-12	2012-13	2013-14	2014-15
						01	
	b. Name of the Invitees popular talk, special lecture taken against cancellation, done taxonomic workshop and by university teachers						
	Name of the Invitees	Topic				Year	
	Prof. Khanindra Pathak, IIT Kharagpur	Pedagogic Approach for development and Delivery of Curriculum for Student Centred Learning				2010	
	Prof. A K Prasad, Delhi University	Novel Non-ionic Nucleic Acid Architecture of Potential Therapeutic Importance				2011	
	Prof. J B Baruah, Dept. of Chemistry, IIT-Ghy	Nano-Motors.				2011	
	Prof. A K Saikia, Dept. of Chemistry, IIT-Ghy	Isolation of Natural Products				2011	
	Dr. Kusum Bonia, Chemical Science, Tezpur University	Bioinorganic Chemistry				2014	
	Dr. Prasanta Jyoti Gautam, IIT, NUZVID, Andhra Pradesh	Innovation: India's Past, Present and Future				2015	
33	Teaching methods adopted to improve student learning	Teaching Method				Comments	
		Peer teaching				yes	
		Group discussion:				Yes	
		Seminar by students				Yes	
		Guest Lecturer:				Yes	
	(ICT, Tutorial class, Extra classes.)	Project making/ Experimental workshop:				Yes	
		Chalk board or Power point				Yes	
		Preliminary discussion on earlier topics:				yes	
		Educational tour /visit:				Yes	
		Any other					
34	Participation in Institutional Social Responsibility (ISR) and Extension activities					NIL	

35	SWOC analysis of the department and Future plans	
	Strength	<ul style="list-style-type: none"> • The maximum number of the students who get through the examination and obtain good positions. • Active participation in research activities • Faculty members with willingness to take challenging assignments • Students can be trained for competitive exams • Type of Teacher-Student involvement in academic activities • Absenteeism is negligible
	Weakness	<ul style="list-style-type: none"> • The Department struggles the experimental research activities with poor infrastructure and financial aid. • Extra class room is required for P.G. as well as U.G. courses for smooth functioning of class.
	Opportunities	<ul style="list-style-type: none"> • Modifying the mechanism of teaching and research among students by using modern technique.
	Challenges	<ul style="list-style-type: none"> • To introduce Master Degree programme in Chemistry.(under acceptance) • To conduct seminars, symposium and conferences related to recent trends in Science. • Propose to increase the P.G. seats as well as research activities like extension of research lab as well as number of research scholar.
	Future Plan	