

1	Name of the department	MATHEMATICS				
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				
4	Names of Interdisciplinary courses and the departments/units involved	Nil				
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	Nil				
7	Courses in collaboration with Other/ universities/ industries/foreign/institutions, etc.	Nil				
8	Details of courses/programmes discontinued (if any) with reasons	Nil				
9	Number of Teaching posts	Government			Adhoc/ Part time	
			Sanctioned	Filled		
		Professor	Nil			
		Associate Professor	6	6		
		Asstt. Professor	2	2	3	
10	Faculty profile with name, qualification, designation, specialization, (D.Sc./D.Litt. /Ph.D. / M. Phil. etc.)					
	Name of the faculty	Highest qualification	Designation	Specialization	Experience (In years)	No. of Ph.D. Students guided for the last 4 years
	Sanctioned Posts					
	Mr. P. Lahkar	M.Sc., M. Phil	Associate Professor	Modern Algebra & Functional Analysis	$29\frac{1}{2}$ Yrs	NIL
	Mr S .D .Sharma	M.Sc	Do	Modern Algebra & Functional Analysis	29 Yrs	NIL
	Mr B. D. Sarma	M.Sc	Do	Fluid Dynamics	28 ½ Yrs	NIL
	Mrs A.Talukdar	M.Sc	Do	Fluid Dynamics and Relativity	22 Yrs	NIL
Dr. P.Das	M.Sc, Ph.D	Do	Modern Abstract Algebra and Functional Analysis	36 years	3	

	Dr. R.Das	M.Sc, Ph.D	Do	Plasma Physics, Fluid Dynamics and Relativity	16 Yrs	NIL	
	Dr. B. Das	M.Sc, Ph.D	Assistant Professor	Banach Algebra, Theory of Operators	16 Yrs	NIL	
	Mr. J. Das	M.Sc., M. Phil	Assistant Professor	Fluid Dynamics, Relativity	3 Yrs	NIL	
	Mamani Kalita	M.Sc.	Part Time		4yrs		
	Ridip Sarma	M.Sc.	Part Time		2yrs		
	M Sarma	M.Sc	Part Time		6months		
11	List of senior visiting faculty					Nil	
12	Percentage of lectures delivered and practical classes handled (programme wise) by temporary faculty					18%	
13	Student -Teacher Ratio (programme wise)			Programe	Ratio	Remark (if any)	
				UG	50:1	In the Major course	
				PG	8:1	In the General course	
14	Number of academic support staff (technical) and administrative staff; sanctioned and filled			sanctioned		filled	
				1		1	
15	Qualifications of teaching faculty with DSc/ D.Litt/ Ph.D/ MPhil / PG.			DSc/ D.Litt	Ph.D	MPhil	PG
				-----	3	2	3+3 (P.T.)
16	Number of faculty with ongoing projects from : a) National b) International funding agencies and grants received: 1						
	Name of faculty	Year	Funding Agency	Grant Received	Status (ongoing/completed)		
	Dr. Ranjan Das	2015	UGC	3,90,000	Ongoing		
17	Departmental projects funded by DST - FIST; UGC, DBT, ICSSR, etc. and total grants received					As per Question 16	
18	Research Centre/laboratory /facility recognized by the University					Nil	
19	Publications (2009-15)						
	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. P. Das			1 (national) 2(international)	1(national) 1(international)	1 (INT)	1(INT)
	A Talukdar		2 (INT)	2 (INT)			
	Dr. R. Das	2(INT)	1(INT)	2 (INT)	5 (INT)	3(INT)	3(INT)
	J.Das				1 (INT)		
	Nos. of Books/Chapters/articles						
	Name of the Faculty	2009-10	2010-11	2011-12	2012-13	2013-14	2014-15
	S.D. Sharma				1	1	1
	B.D. Sarma	1			1	1	1
	R.Das				1		1
J. Das						1	

20	Areas of consultancy and income generated															NIL				
21	Faculty as members in																			
	Name of the Faculty			Name of the international/ National/Regional State level Committees/ Editorial Board												Membership status (Life/Annual)				
	Dr. P.Das			Journal of Assam Academy of Mathematics and Ganit Bikash (Editorial Board)												life				
22	Student projects																			
	Percentage of students who have done in-house projects including inter departmental/programme												100%							
	Percentage of students placed for projects in other organizations outside the students i.e. Research Laboratories/ Industry / and other agencies.												Data not available							
23	Awards / Recognitions received by faculty and students															Nil				
24	List of eminent academicians and scientists / visitors to the department															Nil				
25	Seminars/ Conferences/Workshops organized & the source of funding National/international															NIL				
26	Student profile (programme /course wise):																			
	Year	2009-10			2010-11			2011-12			2012-13			2013-14			2014-15			
	Prog ramme	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 Year	25	3	28	16	4	20	23	5	28	35	7	42	41	5	46	49	9	58	
	2 nd Year	28	4	32	20	3	23	13	4	17	15	4	19	22	8	30	19	4	23	
	3 rd Year	21	5	26	21	4	25	8	2	10	11	4	15	15	4	19	22	7	29	
	Total	74	12	86	57	11	68	44	11	55	61	15	76	78	17	95	90	20	110	
	Year	2009-10			2010-11			2011-12			2012-13			2013-14			2014-15			
	Prog rame	UG MAJOR			UG MAJOR			UG MAJOR			UG MAJOR			UG MAJOR			UG MAJOR			
	Appeared	M	F	T	M	F	T	M	F	T	M	F	T	M	F	T	M	F	T	
	Appeared	20	10	30	17	8	25	9	3	12	10	2	12	14	4	18	11	5	16	
	Passed	10	4	14	16	7	23	6	3	9	7	2	9	10	2	12	8	3	11	
	% of pass	50	40	46	94	87	92	66	10	75	70	10	75	71	50	66	73	60	69	
27	Diversity of Students																			
	UG Course		2009-10			2010-11			2011-12			2012-13			2013-14			2014-15		
	% of students from the same state		93			95			96			95			97			100		
	% of students from other States		7			5			4			5			3					
	% of students from abroad		Nil			Nil			Nil			Nil			Nil			Nil		
28	How many students have cleared national and state competitive examinations such as NET, SLET, GATE, Civil services, Defense services, etc.?(2009-2014)										NET+JRF-1(Amardeep Sarkar, IISC Bangalore), SLET-1(Ajoy Dutta, IASST,Guwahati),GATE-1(Ridip Sarma)									

29	Student progression (2013-14)							
	UG to PG				60%			
	PG to M.Phil.				5%			
	PG to Ph.D.				20%			
	Ph.D. to Post-Doctoral				Data not available			
	Employed - Campus selection - Other than campus recruitment				Nil Data not available			
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
				722				
	b. Internet facilities for Staff & Students			<ul style="list-style-type: none"> • 10 Desktops • 1 OHP • No Internet 				
	c. Class rooms with ICT facilities			Nil				
d. Laboratories (Give details)			<ul style="list-style-type: none"> • A computer laboratory is available with 10 desktops to carry out the practical classes of the students. 					
31	Number of students receiving College, University, Government or other agencies							
	Financial assistance from	2009-10	2010-11	2011-12	2012-13	2013-14	2014-15	
	College							
University/ Government								
32	Details on student enrichment programmes (special lectures / workshops /seminar) with external experts	2009-10	2010-11	2011-12	2012-13	2013-14	2014-15	
					1		1	
	a. Name of the Invitees	<ul style="list-style-type: none"> • Dr. Hemanta Kr Sarma, Associate Professor, Dept of Mathematics, Gauhati University (16/3/2013) on <i>Application of Mathematics in the study of the Problems of Population Dynamics</i> • Dr. Tarakeswar Choudhury, Rtd. Lecturer, Deptt of Mathematics, Cotton College on <i>Evolution of Mathematics in North East India</i>, (01/02/2015) 						
33	Teaching methods adopted to improve student learning	Teaching Method					Comments	
		Peer teaching					yes	
		Group discussion:					Yes	
		Seminar by students					Yes	
		Guest Lecturer:					No	
		Project making/ Experimental workshop:					Yes	
		Chalk board or Power point					Yes	
		Preliminary discussion on earlier topics:					yes	
		Educational tour /visit:					No	
		Any other					Problem of the week is posted on notice board for students to ponder upon and solve.	

34	Participation in Institutional Social Responsibility (ISR) and Extension activities	<ul style="list-style-type: none"> • Dr. B. Das, NSS programme officer is also associated with the community development programme organizing different integration camp in the rural areas, and conducting training camp among students in the college premises since 2009.
35	SWOC analysis of the department and Future plans	
	Strength	<ul style="list-style-type: none"> • A competent and hardworking team of teachers • A glorious tradition of quality service in the field of Mathematics • A large number of alumni contributing to the society and the state in the capacity of top most position in various fields or discipline. • Distinction of being the first PG department in the state under deficit system of grants in aid colleges. • Award by NEA for excellent teaching in PG.
	Weakness	<ul style="list-style-type: none"> • Insufficient infrastructure, poor quality of classroom, unreliable power system hampering the introduction of latest up to date technology in teaching • Insufficient infrastructure, poor quality of classroom, unreliable power system hampering the introduction of latest up to date technology in teaching learning process. • Non fulfillment of vacant posts of faculty. • Absence of a clerk and adequate number of bearers as suggested by GU inspection team.
	Opportunities	<ul style="list-style-type: none"> • With flow of money to the departments under CPE, new opportunities are available For infrastructural developments, academic activities like national seminar, conferences, Lectures, research projects
	Challenges	<ul style="list-style-type: none"> •
	Future Plan	<ul style="list-style-type: none"> •