

JAWAHARLAL NEHRU COLLEGE : BOKO
DEPARTMENT OF MATHEMATICS
Under DBT Star College Scheme

Academic Year 2018-19

The Department of Mathematics of Jawaharlal Nehru College offers the mathematics education in this greater area in three layers from this academic session such as

1. H.S. (Under Assam Higher Secondary Education Council)
2. B.A./B.Sc. CBCS course (Honourse/Major and General) (Under Gauhati University)
3. M.A./M.Sc. CBCS course in Mathematics (Under Gauhati University)

The seat capacity for BA/B.Sc. 1st semester (Honours) is 40 and 20 seats for the course M.Sc.

The number of applicants for admission to B.Sc. 1st Semester and M.Sc. 1st semester and the number of enrolled students in this academic year are

Class/Course	Total Seat	No. of applicants
B.A./B.Sc. 1 st Sem-Honours	40	53
B.A./B.Sc. 1 st Sem-General	50	-
M.A./M.Sc. 1 st Sem	20	38

List of Students

First Year – Honours

Sl No	Class Roll No	Name	Remark
1	1	Jaminur Ali Akhtar	
2	2	Sashanka Rabha	
3	3	Mainamati Das	
4	4	Rakibul Islam	Not continued
5	5	Kangkan Medhi	Not continued
6	9	Pratik Saha	
7	10	Chiranjit Baroi	
8	12	Sanuwer Hussain	Not continued
9	15	Izabul Hoque	
10	16	Kakuli Rabha	
11	17	Iftajur Ahmed	Not continued
12	18	Saurav Das	Not continued
13	20	Sanidul Islam Khoriddar	Not continued
14	21	Mohidul Islam	
15	24	Himangshu Kalita	
16	25	Najrul Hoque	
17	27	Kuldip Das	
18	29	Munmi Kalita	
19	34	Karabi Kalita	
20	41	Bhupati Sarkar	
21	42	Abdur Rezzak	
22	43	Atifa Hussain	
23	53	Aftoba Nargis Khyaum	
24	60	Tapan Kumar Rabha	Not continued
25	67	Ajay Sony	
26	68	Ziarul Hoque	Not continued
27	71	Pranjit Mandal	Not continued

28	73	Aktar Hussain	Not continued
29	80	Asma Begum	
30	90	Nandita Rabha	
31	93	Gautam Boro	
32	94	Saifur Rahman	
33	95	Abdul Malik	Not continued
34	102	Fulchan Ali	
35	110	Mizanur Rahman	
36	122	Nurul Islam	Not continued

Second Year – Honours

SI No	Name	Remark
1	Rupam Kumar	8638773706
2	Jayanta Kalita	9101490860
3	Ananda Das	
4	Bikas Doloi	
5	Mausam Nath	8761901317
6	Aditi Kalia	Admitted in other institute
7	Bikash Thakuria	
8	Biswajit Das	
9	Dhiru Das	8472809549
10	Abinash Rabha	8011926263
11	Shodiul Islam	
12	Manjit Mahanta	9101227721
13	Lovita Das	8472822561
14	Biroja Boro	9101306590
15	Shibani Mandal	
16	Akimul Huaiian	Admitted in other institute
17	Champak Das	
18	Nikumani Kalita	
19	Bidyut Das	
20	Momi Kalita	8011521804
21	Mridula Kalita	
22	Afzalur Rahman	Admitted in other institute
23	Sushmita Rabha	
24	Shohidul Islam	Admitted in other institute
25	Tutu Moni Das	
26	Nitul Rabha	
27	Chiranjit Mandal	
28	Raj Kumar Rabha	Admitted in other institute
29	Nurjamal Hoque	Admitted in other institute
30	Md. Saidur Rahman	Admitted in other institute

Third Year – Honours

SI No	Name	Remark
1	Akash Kalita	
2	Arti Kumari Shah	
3	Abinash Kalita	
4	Mohonta Boro	
5	Hazrat Ali Rezza	
6	Mintu Medhi	Admitted in general
7	Subham Choudhury	Admitted in other institute
8	Hemanta Patgiri	

9	Monowar Rahman	Admitted in other institute
10	Monirul Hoque	
11	Mafijur Rahman	Admitted in general
12	Nobin Daimary	
13	Dipankar Mandal	
14	Sofiqul Islam	
15	Manoj Kalita	
16	Himango Medhi	
17	Nur Islam	Admitted in other institute
18	Ismail Hoque	Admitted in general
19	Kaushik Baishya	Admitted in other institute
20	Raj Ahmed	Admitted in general
21	Neelam Singh	
22	Tirtha Das	
23	Tonmoy jyoti Das	Admitted in other institute
24	Jeet Deva Sarma	
25	Dhanjit Rabha	Admitted in general
26	Azibar Rahman	
27	Prabal Sarkar	Admitted in general
28	Sofiqul Islam	Admitted in general
29	Hiramba Rani Khakhlary	
30	Dhrubajyoti Pathak	
31	Madan Karmakar	
32	Jaydeep Rabha	

M.Sc. First Year

Sl No	Name	Remarks
1	Zaheer Hussain	Continued
2	Hemoprobha Boro	Continued
3	Banashree Kalita	Continued
4	Kangkan Kr. Das	Continued
5	Trina Mahanta	Continued
6	Suabrat Deka	Continued
7	Dhritismita Thakuria	Continued
8	Pranjit Das	Continued
9	Jeherul Islam	Continued
10	Karabi Bora	Continued
11	Amarul Hoque	Continued
12	Pranjal Kishor Kalita	Not Continued
13	Sunny Das	Continued
14	Mridul Rabha	Not Continued
15	Sehnaz Ahmed	Continued
16	Nazma Ara Saikia	Continued
17	Ohidur Rahman	Continued
18	Zahir Alom	Continued
19	Akshayjyoti Hatibarua	Continued
20	Arunima Kalita	Continued

M.Sc. 2nd Year

Sl No	Name	Remarks
1	Alina Barua	Not Continued

2	Muskan Ahmed	Not Continued
3	Sabnam Sultana Pervin	Not Continued
4	Pallabi Dekha	Not Continued
5	Amiya Das	Continued
6	Mridul Islam	Continued
7	Garima Das	Continued
8	Akram Hussain	Continued
9	PapuMoni Dekha	Continued
10	Kushal Kumar Rabha	Not Continued
11	Nilambar Das	Not Continued
12	Nurul Islam	Continued
13	Izaz Ahmed	Not Continued
14	Jeherul Islam Laskar	Not Continued
15	Jeherul Islam	Continued
16	Majafor Hussain	Continued
17	Daisy Nath	Continued
18	Himakshi kalita	Continued
19	Farhaz Mullah	Continued
20	Dhanjit kalita	Continued

Infrastructure facilities of the Department:

- Class rooms – 04
- Computer Lab – 01 (with 10 desktops)
- Departmental Library – 01 (with 300 text and reference books)
- Teacher's common room – 01
- Aqua guard for drinking water – 01
- Toilet – 02
- Wall magazine – 01

Faculty Strength:

Permanent Faculties

Sl. No	Name	Qualification	Designation	Special Papers	Period of Service
01	Dr. Dhiraj Kr Das	M.Sc. Ph.D, PGDCA	Asso. Prof.	Relativity	From Aug, 91
02	Dr. Nabajyoti Das	M.Sc. Ph.D	Asso. Prof	Func Analysis	From Nov,93
03	Dr. Alok Das	M.Sc. Ph.D	Asso. Prof	Fluid Dynamics	From Nov, 96
04	Dr. Dipankar Sarma	M.Sc. Ph.D, B.Ed.PGDHRM	Asso. Prof.	Algebra, Topology	From Dec, 97

Temporary fulltime faculties

Sl. No	Name	Qualification	Designation	Special Papers	Period of Service
01	Mr. Kabindra Goswami	M.Sc.	Asstt Professor	Algebra, Logic	From Aug,17
02	Mrs. Doli Thakuria	M.Sc.	Asstt Professor	Fluid Dynamics	From Aug,17
03	Mr. Dipu Moni Nath	M.Sc.	Asstt Professor	F Analysis, Algebra	From Nov,18
04	Mr. Karabi Kalita	M.Sc.	Asstt Professor	Relativity	From Aug,18 to Jan,19
05	Miss Dipshikha Das	M.Sc.	Asstt Professor	Diff Equation, Num Ana	From Feb,19 to Jun,19
06	Miss Anindita Basumatary	M.Sc.	Asstt Professor	Relativity	From Feb, 19

Mentor – Mentee Group Table:

Mentor	Mentee		
	B.A./B.Sc. 1st year	B.A./B.Sc. 2nd year	B.A./B.Sc. 3rd year
Dr. D. K. Das	Jaminur Ali Akhtar Izabul Hoque Kuldip Das Bhupati Sarkar Ajay Sony	Rupam Kumar, Mausam Nath, Abinash Rabha, Biroja Boro, Nikumani Kalita, Afzalur Rahman, Nitul Rabha	Akash Kalita, Hazrat Ali Rezza, Monowar Rahman, Dipankar Mandal, Nur Islam, Neelam Singh, Dhanjit Rabha, Hiramba Rani Khakhlary,
Dr. N. J. Das	Sashanka Rabha, Kakuli Rabha Najrul Hoque Abdur Rezzak Asma Begum	Jayanta Kalita, Bikash Thakuria, Shodiul Islam, Shibani Mandal, Bidyut Das, Sushmita Rabha, Chiranjit Mandal	Arti Kumari Shah, Subham Choudhury, Monirul Hoque, Manoj Kalita, Ismail Hoque, Tirtha Das, Azibar Rahman, Dhrubajyoti Pathak
Dr. A. Das	Mainamati Das Mohidul Islam Munmi Kalita Atifa Hussain Nandita Rabha Mizanur Rahman	Ananda Das, Biswajit Das, Manjit Mahanta, Akimul Huaaian, Momi Kalita, Shohidul Islam, Raj Kumar Rabha	Abinash Kalita, Mintu Medhi, Mafijur Rahman, Sofiqul Islam , Kaushik Baishya, Tonmoy jyoti Das, Prabal Sarkar, Madan Karmakar
Dr. D. Sarma	Pratik Saha Himangshu Kalita Karabi Kalita Aftoba Nargis Khyaum Saifur Rahman Fulchan Ali	Bikas Doloi, Dhiru Das, Lovita Das, Champak Das, Mridula Kalita, Tutu Moni Das, Nurjamal Hoque	Mohonta Boro, Hemanta Patgiri, Nobin Daimary, Himango Medhi, Raj Ahmed, Jeet Deva Sarma, Sofiqul Islam, Jaydeep Rabha

Papers Taught in the department**B.A./B.Sc Honours Course**

Semester	Paper 1	Paper II	Paper III	Paper IV	Paper V	Paper VI
1st Semester	Algebra and Trigonometry	Calculus	x	x	x	x
2nd Semester	Coordinate Geometry	Differential Equation	x	x	x	x
3rd Semester	Abstract Algebra	Linear Algebra and Vector	x	x	x	x
4th Semester	Real Analysis	Mechanics	x	x	x	x
5th Semester	Real and Complex Analysis	Topology	Spherical Trigonometry and Astronomy	Rigid Dynamics	Probability	Optimization Theory
6th Semester	Hydrostatics	Numerical Analysis	Computer Programming in C	Discrete Mathematics	Graph and Combinatorics	Project

B.A./B.Sc General Course

Semester	Paper I	Paper II		Semester	Paper I	Paper II
1 st Semester	Classical Algebra and Trigonometry	x		2 nd Semester	Abstract Algebra and Matrices	x
3 rd Semester	Calculus: Methods and Applications	$\bar{x}$		4 th Semester	Coordinate Geometry and Vector Analysis	$\bar{x}$
5 th Semester	Statics and Dynamics	Numerical Methods and Spherical Astronomy		6 th Semester	Linear Algebra and Complex Analysis	Advanced Calculus

M.A./M.Sc Course

Class/Paper	Paper I	Paper II	Paper III	Paper IV	Paper V
1 st Sem	Algebra	Differential Equations	Mechanics and Tensors	Real Analysis and Lebesgue Measure	Programming with C
2 nd Sem	Complex Analysis	Topology	Functional Analysis	Number Theory and Graph Theory	Mathematical Methods
3 rd Sem	Continuum Mechanics and Hydrodynamics	Dynamical Systems and Fractal Geometry	Special Theory of Relativity	Fuzzy Sets & Systems	Partial Differential Equations
4 th Sem	Operation Research	Numerical Analysis	Measure Theory	Fluid Dynamics	General Theory of Relativity and Cosmology

Record of Departmental Activities:

Programme 1

Summer Camp for UG Students From 26th June to 2nd July, 2018. Dr. (Mrs.) Chandra Rekha Mahanta Associate Professor, Dept. of Mathematics, Gauhati University delivered a talk on relativity. Some moments of the programme



Programme 2

Santiram Das Memorial Lecture on “Vedic Mathematics” organized by Assam Academy of Mathematics in association with the Department of Mathematics, J. N. College, Boko on 10th November, 2018. Dr. (Mrs.) Ranjana Choudhury, Retd. Professor, Dept. of Mathematics, Handique College, Guwahati was the key speaker of the programme.

Some moments of the programm :



Programme 3

Seminar on Ramanujan Mathematics in connection with celebration of National Mathematics Day on 22nd December, 2018. Resource person Dr. Dipankar Sarma, Asstt. Professor, Dept. of Mathematics, J.N. College, Boko



Programme 4

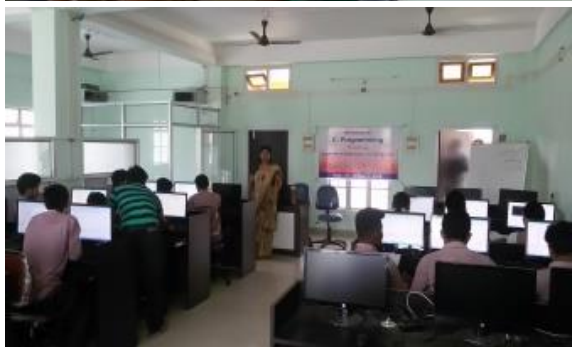
Seminar on Solution of Differential equations: algebraically and numerically on 28th January, 2019. Resource person Mr. Dipumoni Nath, Dept. of Mathematics, J. N. College, Boko

Some moments of the programme :



Programme 5

Workshop on C-programming Language on 27th and 28th March, 2019 for UG & PG students. Resource persons : Dr. Alok, Asstt. Professor, Dept. of Mathematics, J.N. College, Boko
Miss Dorothi Kalita, Faculty-PGDCA, J. N. College, Boko.



Programme 5

Coaching for Mathematics Olympiad on 23th & 24th May, 2019 for school students of Boko.
 Resource persons : Dr. D. K. Das & Dr. Dipankar Sarma.
 Participants : From nearer schools
 No of participants : 18

Some Photographs



Programme 6

Summer Training on Practical Mathematics using Mathematica

Date: From 27th June to 2nd July, 2019

Resource Person: Prof. T. K. Dutta, Gauhati University, Guwahati

Dr. N. J. Das, J. N. College

Participants : UG & PG students of college

No of participants : 36

Some photographs:





Record of Students progressing to higher education after completing B.Sc. Exam.

Sl No	Name of the Student	Course	Institution
1	Akash Kalita	M.Sc. in Mathematics	Gauhati University
2	Mahanta Boro	M.Sc. in Mathematics	Gauhati University
3	Hemanta Patgiri	M.Sc. in Mathematics	J.N. College
4	Nobin Daimary	M.Sc. in Mathematics & Computing	IIT Guwahati
5	Dipankar Mandal	M.Sc. in Mathematics	Gauhati University
6	Hiramba Rani Khakhlary	M.Sc. in Mathematics	J.N. College

Remark:

The performance of students in class tests as well as in the final exams are good. Mr. Akash Kalita and Mr. Nobin Daimary clear JAM and Nobin takes admission to M.Sc. in Mathematics and Computing at IIT Guwahati. Akash takes admission in M.Sc. at Gauhati University. Ripunjoy Choudhry performs very good result in the UG final examination held in 2018. For the second year a large number of students apply for admission in M.Sc. programme.

(Dr. Nabajyoti Das)
HoD, Dept of Mathematics