



DEPARTMENT OF PHYSICS

“Some of the brightest minds can be found in the last benches of the classroom”---APJ Abdul Kalam

Introduction

Rangia College was established in the year 1963. However, the science stream of the college was functioning from the year 1985 with the demand of the local people of Rangia sub-division. During these years the departments has been rendering a very significant role to impart the scientific knowledge to the students in accordance with the syllabus of the Gauhati University as well as basic science is concerned.

Vision of the Department

The ultimate vision of education is to nurture, develop and equip the individual student to face real life challenges. Education always plays its role as an instrument to change with respect to the environment. The department considers it to be the fundamental duty to make the students aware of the development of the scientific world.






The Vision of the department is “To correlate class room Physics in day to day human life, develop scientific temperament to explore the nature and to learn and use the knowledge for development of the self.”

To achieve the goal, the following steps are taken

1. Correlate the class room teaching (as per syllabus) to day to day life and the nature as a whole.
2. To adopt technological advancement in teaching, learning and evaluation process.
3. To upgrade the department into a P.G. department.
4. To introduce students with different online courses, vocational training within the frame work of the syllabus.

1. Details of the Teaching staff

A. Name of the faculty members with qualification(s)

<i>Name of the Teaching staff</i>	<i>Photo</i>	<i>Highest Qualification</i>	<i>Specialization</i>
Dr.Rina Barman Associate Professor rinabarmanrc@rediffmail.com		M.Sc Ph.D, B.Ed, PGD in Computer Science.	Spectroscopy
Dr.Monoj Kr Singha Associate Professor reiki_sinha@yahoo.com		M.Sc, Ph.D, PGD in Instrumentation & Computer Science.	Electronics and Radio Physics
Dr.Mahendra Kalita (HOD) Associate Professor mahendrakalita1968@gmail.com		M.Sc, Ph.D, PGD in Computer Application.	X-Ray and Crystallography.
Mrs. Mitali Das Assistant Professor Ph no: 84738-76341		M.Sc, M.Phil, B.Ed Computer Application.	Theoretical Physics
Dr. Mousumi Bhuyan Assistant Professor moubhuyan83@gmail.com		M.Sc, Ph.D, D.C.A	Nuclear Physics
Non-Teaching staff of the department			
1. Dhubajit Baishya	Bearer		
2. Bhupati Das	Bearer		

B. Faculty members having Ph.D / M.Phil

<i>Name of the teacher</i>	<i>Name of the title of Thesis/</i>	<i>Year of award obtained</i>	<i>University</i>
Dr.Rina Barman	Investigation on the Infrared and Raman spectra of some N-heterocyclic compounds.	2002 (Ph.D)	Gauhati University
Dr.Monoj Kr Singha	Representation and Recognition of Bodo Phonemes with special reference some Ethnic Languages of NE.	2002 (Ph.D)	Gauhati University
Dr.Mahendra Kalita (HOD)	Studies of some potent medicinal plants of N.E India with respect to thermo-physical, chromatographic and crystallographic properties.	2002 (Ph.D)	Gauhati University
Mrs. Mitali Das	Radon Exhalation Rates from Soil Samples using Solid State Nuclear Track Detector	2009 (M.Phil)	Darwin School of Business under Periyar University, Salem

Dr. Mousumi Bhuyan	Characterization of Tungsten, Graphite and SSNTD samples irradiated by proton and alpha ions.	2002 (Ph.D)	Gauhati University
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C. Minor research project / FIP completed by the faculty

Name of the teacher	Title of the project	Period	Agency
Dr. Rina Barman	Investigations on the infrared and Raman spectra of N-heterocyclic compounds	Dec 1997 to Dec 1999	UGC NERO
Dr. Monoj Kr Singha	1. Development of Agriculture in old Kamrup district comprising Nalbari, BARPETA and Present Kamrup district.	1. 19 October 2005 to 18 October 2007	UGC NERO
	2. Recognition and Representation of Bodo and Assamese phonemes and their place in IPA chart”	2. 2013	UGC NERO
	3. FIP: No-F5-55/TF/2007(NERO)/431 dated 25 April 2008.	2008	UGC
Dr. Mahendra Kalita	1. Investigation of some potent medicinal plants Leaves of North East India by thermo physical properties.	1. March 2000 to March 2002	UGC NERO
	2. Investigation of some potent medicinal plants of North East India by thermophysical, chromatographic and crystallographic properties.	2. 2013	UGC NERO
	3. FIP: F-5-56/TF/2003(NERO)/1920 dt. 29 July 2004.	2004	UGC
Dr. Mousumi Bhuyan	Characterization of Tungsten, Graphite and SSNTD samples irradiated by proton and alpha ions’, UGC (MRP), Amount: Rs. 2.9 Lakhs, (16.11.2016-15.11.2018)	16 Nov 2016-15 Dec 2018	UGC NERO

D. Number of Refresher Course/Orientation Course attended by the teacher

<i>Sl no</i>	<i>Name of the faculty</i>	<i>No of OC</i>	<i>No of RC</i>	<i>STC</i>	<i>MRP</i>	<i>FDP</i>
1	Dr.Rina Barman	1	4	1	1	1
2	Dr.Monoj Kr Singha	1	4	1	2	2
3	Dr.Mahendra Kalita (HOD)	1	3	1	2	1
4	Mrs. Mitali Das	1	1	-	-	3
5	Dr. Mousumi Bhuyan	1	1	-	1	3

E. Research publications in Pear reviewed journal/ Chapter in books and books (Annexure –I)

<i>Sl no</i>	<i>Name of the faculty</i>	<i>International</i>	<i>National</i>	<i>State</i>	<i>Book/Edited</i>
1	Dr.Rina Barman	5	NIL	NIL	NIL
2	Dr.Monoj Kr Singha	NIL	6	2	2
3	Dr.Mahendra Kalita (HOD)	2	3	2	NIL
4	Mrs. Mitali Das	NIL	2	1	NIL
5	Dr. Mousumi Bhuyan	2	12	2	3

F. Number of Workshop(WS)/ Symposium(Sy)/ Seminar(S) attended by the teacher (Annexure II)

<i>Sl no</i>	<i>Name of the faculty</i>	<i>International</i>	<i>National</i>	<i>State</i>	<i>Webinar</i>
1	Dr.Rina Barman	S:1	S:3 WS:7 C:1	12	17
2	Dr.Monoj Kr Singha reiki_sinha@yahoo.com	WS:1	S: 18 WS:4	S:7 WS:9	12
3	Dr.Mahendra Kalita (HOD)	C:2	NS:4 WS:2 C:1	S:1 WS:3 C:3	4
4	Mrs. Mitali Das	--	WS:5 C:1 Sy:1	4	4
5	Dr. Mousumi Bhuyan	S:1	S:4 WS:5 C:1	Sy:1	5

G. Seminar / Workshop /Symposium /FDP conducted by the department

<i>Sl o</i>	<i>Name of the faculty involved</i>	<i>Title of event</i>	<i>Sponsorship</i>	<i>Date</i>
1	Dr. Rina Barman	Annual meeting and Seminar of Assam Physical Society	Assam Physical Society (APS)	14 September 1999
2	Dr. Rina Barman	Seminar on “Dramatic discovery of Neutron”	Department	13 September 2003
3	Department	Wall magazine “ GLOSS” inaugurated	Department	2004
4	Dr. M.K. Singha	Workshop on “Fabrication of a Power Supply”	Department	8-9 January 2004
5	All	Departmental Seminar	Department	4-6December 2003

6	In collaboration with Guwahati Planetarium	This planetary alignment called the ' Transit of Venus '. To celebrate this rare event the Department of Physics, Rangia College and IAPT.	Self	8 June 2004
7	Dr. Rina Barman	Celebration of National Science Day. Seminar on “Raman Spectra”	Department	28 February 2005
8	Dr. M. K. Singha	Seminar on “de Brogli wave”	Department	28 September 2005
9	Dr. M.K. Singha	Seminar on “Radio Wave communication”	Department.	1 October 2005
10	Dr. Mahendra Kalita	Celebration of National Science Day Seminar on “Ramans Effect”	Assam Physical Society	28 February 2007
11	Department	Teachers’ day Celebration	Department	5 September 2008
12	Dr. M.K. Singha	Seminar on Large Hadron Collider		23 September 2008
13	In collaboration with Botany	Molecular Biology and Bioinformatics	DBT, GOI	8-10 April 2014
14	Department	Teachers’ day Celebration	Department	5 September 2014
15	5 th Semester students(Major)	Wall magazine “MANGALYAAN” inaugurated	Department	17 September 2014
16	5 th Semester students	Wall magazine “ <i>HISTORY OF ELECTRICITY</i> ” inaugurated	Department	4 November 2014
17	5 th semester students	Celebration of Biswa Karma Puja	Department	17 September 2015
18	Dr. M.K. Singha Dr. Rina Barman	Workshop on “Electrical & Electronic project for six semester degree students”	Department	28-31 March 2016
19	Dr. M.K. Singha	National Graduate Physics Examination 2017 organized by IAPT	Department	22 January 2017
20	Dr. Mausumi Bhuyan	Assam Physical Society(APS)	Assam Physical Society	1 July 2017
21	All	Departmental Seminar	Self	17 August 2017
22	All	Teachers’ day Celebration	Department	5 September 2017
23	5 th semester students	Celebration of Biswa Karma Puja	Department	18 September 2017
24	Mrs. Mitali Das, Dr. Mausumi Bhuyan	Visit to IIT-G for laboratory experiences	Department	16 November 2017
25	Dr. Mausumi Bhuyan	Physics Olympiad organized by APS HS & HSLC. No. of participant:70	Rangia College	24 December 2017
26	Dr. Mausumi Bhuyan	Annual Meeting of Assam Physical Society(APS)	Assam Physical Society	2 July 2018
27	Students of the 6th semester	1. Teachers’ day Celebration Talk on Life and Philosophy of Dr. Radhakrishnan. 2. Inauguration of the wall magazine “ <i>INFINITY</i> ”	Department	5 September 2018
28	5 th semester	Celebration of Biswa Karma Puja	Department	17 September 2018

	students			
29	Dr. Mahendra Kalita Dr. Mausumi Bhuyan	Physics Olympiad organized by APS HS . No. of participant:72	Department	28 October 2018
30	Mrs. Mitali Das Dr. Mausumi Bhuyan	Physics Olympiad organized by APS HSLC . No. of participant:38	Department	4 November 2018
31	Dr. M.K. Singha	National Graduate Examination of Physics 2019	IAPT	20 January 2019
32	Dr. M.K. Singha	3 day Workshop on Microcontroller based Projects for 6 th Semester students	Self	23-26 March 2019
33	Dr. Mahendra Kalita	Excursion to NEH University	Department	24 April 2019
34	Department	Farewell and Felicitatation of Mr. Sarat Kalita and Dr. Rujab Muchahary(For Sahitya Academy Yuva Puraskar 2019)	Department	30 August 2019
35	Department	Inauguration of the wall magazine “ <i>INVENTO</i> ”	Six semester	5 September 2019
36	5 th semester students	Celebration of Biswa Karma Puja	Department	18 September 2019
37	Department	Departmental Seminar (Student)	Self	17 October 2019
38	Dr. Mahendra Kalita	Guardian’s Meet organized by Deptt. Of Physics (1,3 & 5th Semester Guardian)	Department	20 October 2019
39	Dr. Mausumi Bhuyan	Olympiad Examination Assam Physical Society	Assam Physical Society	20 October 2019
40	Dr. Mausumi Bhuyan	Participation in the celebration of Foundation Day in GU. <i>Model preparation -3</i> <i>Poster Presentation-1</i>	Gauhati University	20 February 2020
41	Dr. M.K. Singha	<i>7 day FDP on SciLab in collaboration with Spoken Tutorials, IIT Mumbai</i>	Online	19-25 August 2020
42	Dr. M.K. Singha Dr. Rina Barman	Seminar on “Presentation of the Project works” for 6 th semester students	Online ZOOM platform	27-29 August 2020
43	Department	Celebration of Teachers’ Day. Seminar on “ The greatest teachers and their teachings”	Webinar	5 September 2020
44	Dr. M.K. Singha	Orientation on “SOP: Online examination of the 6 semester under GU”	Webinar, ZOOM	30 September 2020
45	Ms. Leena Dutta. Resource Person	Seminar on “ Scope and prospect of radiologist in the medical science”	Institutional	15 December 2020
46	5 th Semester (Major) students.	1.Wall magazine “ <i>SKEPTIC</i> ” inaugurated. 2. Freshmen social for the first semester students.	Institutional	21 December 2020

H. Details of Book / Chapter and Journal published by the department

<i>Name of the teacher (s)</i>	<i>Total no of paper published</i>	<i>Publisher</i>	<i>IABN/ISSN no</i>
Dr. Monoj Kr Singha	1. Hand Book on Reiki 2. Bigyanor Nana Batora(Assamese) 3. Proceeding of the National Seminar (Editor) Society and women empowerment , 2016	Assam Resource Centre(SRC) UGC, New Delhi	ISBN No: 81-7550-342 ISBN 978-81-930723-2-5
Dr. Rina Barman	1. Pratibhan, A biennial Journal (Editor) 2. Pratibhan, A biennial Journal (Editor)	1. Women's studies Research Cell, Rangia College, 2010-12 2. 1. Women's studies Research Cell, Rangia College, 2012-14	ISSN:2278-5590
Dr. Mausumi Bhuyan	1. Editor of the book Mirror A book on undergraduate project report 2. Teachers in active politics and its effect on Teaching-Learning Process (Chapter-Abhignan). 3. Preparation and Application of SiO ₂ Thin film Nano particle Composite(A review)	1. Department of Physics /2018 2. Chintamoni Prakashan , December 2015 3. Dhiramoni Bhuyan and Debasis Guha Thakurata, Purbayon Publication 2017	1. ISBN:978-93-87263-37-6 2. ISBN:97881925/ UGC-HRDC, GU 3. ISBN978-8192955-69-8
5 th Semester (M) students.	ANTARIKSHA <i>Departmental Journal</i>	Published by students of six semester	05-09-2019
5 th Semester (M)	Wall Magazine "SKEPTIC" <i>inauguration</i>	Published by the fifth semester students	21-12-2020

I. Award/Fellowship earned and Patent generated by the faculty member

<i>Sl no</i>	<i>Name of the faculty</i>	<i>Name of the body/BOS/CCS (Detail)</i>
1	Dr. Rina Barman	1. CCS-GU Department of Physics 2. DPC member, VC nominee of the selection Board, Pandu College (8/11/2019) 3. VC nominee of the selection Board, SBMS College, Sualkuchi. 4. Life member Indian Association of Physics Teacher(IAPT) 5. Life member of Assam Physical Society. 6. Physics Academy Of the North East (PANE)
2	Dr. Monoj Kr Singha	1. VC nominee of the selection Board, Pandu College College (04/11/2016) 2. DPC member, Pandu College (08/04/2017) 2. CCS-GU Department of Physics(22-04/2019) 2. VC nominee of the selection Board, Sipajhar College (22/11/2019) 3. Board of management member, Jan Shikshan Sansthan , Kamrup. 4. Life member Indian Association of Physics Teacher(IAPT) 5. Life member of Assam Physical Society. 6. Life member of Physics Academy Of the North East (PANE). 7. Life member of Gayan Vigyan Samitee Assam(GVSA).

3	Dr. Mahendra Kalita	1. Subject expert, VC Nominee, Nalbari College. 06/01/2020 2. VC nominee of the selection Board , Mangoldoi College. 3. VC nominee of the selection Board , Borbhag College, 19/12/2019 4. Life member Indian Association of Physics Teacher(IAPT) 5. Life member of Assam Physical Society. 6. Life member of Physics Academy Of the North East (PANE).
4	Mrs. Mitali Das	1. Assam Physical Society, Treasure 2018-19. 2. Life member Indian Association of Physics Teacher(IAPT) 3. Life member of Assam Physical Society.
5	Dr. Mausumi Bhuyan	1. Assam Physical Society , Secretary 2017-2020. 2. Life member Indian Association of Physics Teacher(IAPT) 3. Life member of Assam Physical Society. 4. Life member of Physics Academy Of the North East (PANE).

J. Foreign / other State visit of the faculty (if any)

<i>Sl no</i>	<i>Name of the faculty</i>	<i>Country/ state visited</i>	<i>Purpose of visit</i>
1.	Dr. Rina Barman	1. China 2. Singapore, Malaysia	1. Educational 2. Tour
2.	Dr. Monoj Kr Singha	1. China 2.Thailand	Educational

K. Teaching methodology adopted by the faculty member

<i>Sl No.</i>	<i>Name of the faculty</i>	<i>Use of ICT/week</i>	<i>In charge of project /field work</i>	<i>Other/ Online class</i>
1	Dr. Rina Barman	1	Dr. Rina Barman	Google Class, Zoom class, You tube, Whats App
2	Dr. Monoj Kr Singha	1	Dr. Monoj Kr Singha	Google Class, Zoom class, WhattsApp
3	Dr. Mahendra Kalita	1	Dr. Mahendra Kalita	Google Class, Zoom class, WhattsApp
4	Mrs. Mitali Das	1	Mrs Mitali Das	Google Class, Zoom class, WhattsApp
5	Dr. Mausumi Bhuyan	1	Dr. Mausumi Bhuyan	Google Class, Zoom class, WhattsApp

L . Participation in Co-curricular activities in the institution

1. Dr. Rina Barman

<i>Sl. No.</i>	<i>Name of the field/ program / event etc. in which participated</i>	<i>Participated as (In-charge/ Member of a committee, etc)</i>
1	Girls' Common Room (RCSU)	In-Charge for the yr 2010-11
2	G.B. Member Rangia College	Member 31 st Jan,11 to 30 th Jan 12
3	Biennial Magazine of WSRC,Rangia College (PRATIBHAN)	Editor for the two sessions : 2010-12 2012-14
4	Head, Dept of Physics	23, Jan,2012-April,2015
5	Executive Member of RCTU	For the session:2010-12,2012-14,
6	Election to students' union	Member of Election Commission.2012-13
7	College magazine (RCSU)	In-charge (2013-14 session)

8	Academic Coordinator	Session :2017-18
9	Daily Class Routine(Arts,Science, Commerce)	Session :2017-18
10	Election to the Students' Union	Presiding Officer 2015-16
11	Assam Physical Society(APS)	Vice-President(Joint) ,Session: 2015-18 2018-
12	Women Cell , RCTU (ACTA)	Convener , For the session 2016-2018
13	Member, Editorial Board of Rongan, Magazine RCSU	Member, Editorial Board ,2017-18
14	Assistant Secretary of RCTU	For the session 2016-Feb,2019
15	Evaluator of final examamination	Every year
16	Examination work(University level)	Since 2016
17	Executive member of the RCTU	2018-2020

2. Dr. Monoj Kr Sinhga

<i>Sl No.</i>	<i>Name of the field in which participated</i>	<i>Participation as (In-charge/ Committee) Etc</i>
1	Coordinator, IQAC	Coordinator(Since 2004-2020)
2	Women Studies Research Cell	Member
3	Construction Committee	Member
4	Research Monitoring Committee (MRP)	Coordinator
5	Mentor Cell	Coordinator, Meditation
6	School Adaptation Committee	Coordinator
7	NAAC committee	Coordinator , 2020
8	Departmental Promotion Committee	Coordinator
9	Rangia College Library Committee	Member
10	Teacher in charge of the college magazine	Session 2012-13
11	Member of the library committee	Session 2020

3. Dr. Mahendra Kalita

<i>Sl. No.</i>	<i>Name of the field/ program / event etc. in which participated</i>	<i>Participated as (In-charge/ Member of a committee, etc)</i>
1	Different student related program in College Week like Cultural and Sports	In-charge Minor game

	program	
2	Scout and Guide	Former Rover Leader Rangia College
3	Rangia college Teacher Unit,2016-2019	Secretary, 2016-2019
4	Executive member Nalbari College Alumni Association	Executive member 2014 onwards
5	Rangia College Teachers Unit	Executive member 2018-2020
6	Bharat Scout & Guide	Ranger leader (2020)

4. Mrs. Mitali Das

Sl. No.	Name of the field/ program / event etc. in which participated	Participated as (In-charge/ Member of a committee, etc)
1	Different student related program in College Week like.	Member

5. Dr. Mausumi Bhuyan

Sl. No.	Name of the field/ program / event etc. in which participated	Participated as (In-charge/ Member of a committee, etc)
1	Different student related program in College Week like Cultural and Sports program	Member
2	College magazine 2016-17	EC member (From 2017-2018)
3	Bharat Scout & Guide	Ranger leader (From 2016-19)

2. Student profile

A. Profile of the total (1+2+3 semesters) admitted students

Year	Seat Capacity (Major)	Admitted (Major)	Seat Capacity (General)	Admitted
2019-20	30	63	125	94
2018-19	30	76	125	173
2017-18	30	69	125	135
2016-17	30	79	100	146

B Student appeared Final examination (Major) Annexure -III

Examination	Total appeared	Passed	Pass %
2019-20	24	13	54.16
2018-19	19	06	31.57
2017-18	15	11	73.33
2016-17	28	10	35.71

C. Outstanding results (if any)

Year	Number of student	Position/ distinction	Major / General
2019-20	13	First class	Major
2018-19	02	First class	Major
2017-18	03	First class	Major

3. Number of working days and teaching days during the period

Year	Working days	Teaching days	Holiday
2019-20	287	208	79
2018-19	285	187	83
2017-18	207	134	73

4. Infrastructure facilities of the department

Sl No	Subject	Description
4.1	Infrastructural facilities	New infrastructure for Department of Physics 1. General Laboratory 2 2. Electronic laboratory 1 3. Dark room 1 4. Computer laboratory 1 (Common) 5. Teachers common room
4.2	Important equipments	1.Computer :2 2. DSO:5 (GW Instek) 3. Function generator:11(GW Instek) 4. Regulated power supply: 6 5. Mutimeter:6 6. Inverter :2 7. Biprism:2 8. Newton's ring experiment :3 9. Spectrometer :4 10. Induction coil :3 11. Stefan's constant apparatus:1 12. Seale's apparatus arrangement:1 13. Lees' method with heating plate:1 14. Platinum Resistance Thermometer:4 15. Polarimeter:2 16. Ballistic Galvanometer:3 17. Regulated dual power supply: 1 18. Active and Passive electronic components. 19 Semi conductor characteristic:2 20. Plank' Constant:2
4.3	Departmental meeting	Yes
4.4	Lesson plan preparation/ Log book	Yes
4.5	Seminar library.	Reference & Text book:164 Others :30 H.S.:100
4.6	Information regarding activities of the IQAC	1. Preparation of Departmental Profile. 2. Self Appraisal for teachers 3. Feedback
4.7	Training for the non teaching	6 May 2019

	staff of the department.	
4.9	Department academic activities. 1. Regular meeting 2. Parent Guardian meet 3. Evaluation procedure 4. Counselling /Remedial Class / Tutorial Class	1. Yes 2. One in 2020 3. Home assignment/Project work 4. One counseling class per week.

5. Project work done by the six semester student

Year	Topic of the project work	No. of student
2017-18	1. Microcontroller based projects. 2. Determination of boiling point of an unknown liquid 3. Determination of Viscosity of an unknown liquid	18
2018-19	Heisenberg's uncertainty principle	2
	Central forces in Physics	2
	Raman Effect	3
	Bainbridge mass spectrograph	3
	Permian sequence evolution of star	2
	Sommerfeld's extension of Bohr's atomic model	4
	RC oscillator	3
	Crompton effect	2
	Michelson experiment	4
	An Introduction to special theory of relativity	4
	Elastic collision	2
	Law of Gravitation	2
	Lorenz transformation equation	3
	Working of a Transformer	3
	Electromagnetic induction	2
	Cyclotron	2
An introduction to Ohms law	4	
Law of Gravitation	2	
Heisenberg's uncertainty principal	3	
Law of Gravitation	2	
2019-2020	A project report on To control the temperature of a system at desired value using W1209 temperature module. Relay	1
	Light Fidelity (Li-Fi):Transfer of information through light for future technology	2
	A Project ; Measurement of distance using ARDUINO	2
	Evaluation of Pre main sequence Star	2
	Measurement of temperature and humidity.	2
	Fabrication of Variable bench Power Supply.	2
	A Project ; Measurement of distance using ARDUINO	2
	Project on Fabrication of a Transformer	2
	Investigate on theory of OHMs law	1
Measurement of Temperature and humidity bu using	2	

6. Plan of action of the department for the next three years

The department is working under rules and regulations of the authority. However, the department sorts out the plans for the future development of the department

1. Introduce P.G Course in physics under GU.
2. Diploma in vocational courses on need base subjects.
3. Use of ICT tools in regular classes.
4. Online classes to support major students.
5. Online courses in collaboration with higher institutions.
6. Computer and Internet excess for each major students.
7. Counseling & feedback for the students.
8. Organized Guardians' meet for interaction and suggestions.

Signature
HOD, Rangia College
Rangia

Annexure-1

**DEPARTMENT OF PHYSICS
RESEARCH PAPER PUBLISHED BY THE FACULTY MEMBERS**

Dr. Rina Barman**1. Vibrational Spectra, Thermodynamic Functions and barrier to internal rotation of 2- chloro- 5 - nitropyridine.**

. Indian Journal of Physics. 68 B (2), 189-194 .

2. Study of the electronic and Vibrational spectra of 2-chloro-6-methoxypyridne. Spectrochim. Acta Part A 54 (1998), 623-627.**3. Infrared and Laser Raman Spectra of 3-fluoropyridine.**

Asian Chemistry Letters, Vol. 2, No. 4. , 99-106.

4. Study of the Vibrational spectra and determination of thermodynamic functions of 2-chloro -5- bromopyridne.

Asian Chemistry Letters, Vol. 1, No. 3. (1999), 202-207.

5. **Ultraviolet absorption and vibrational spectra of 2-fluoro -5- bromopyridine**. *Spectrochim. Acta Part A* 56 (2000), 1523 - 1532.

Dr. Monoj Kr Singha

1. **“A measure of Non-linear characteristic of Rabha Phonemes”**. Published in Journal of GU Teacher’s Association 2006-07.97-102, M.K.Singha, N. Barman, P.H. Talukdar.
2. **Trend and Techniques in Speech Recognition Research**, Published in Prajan, A research Journal of GUTA, 2007-08,77-83, M.K.Singha, M. Deka, P.H. Talukdar.
3. **“Linear Predictive Cepstral Coefficient (LPCC) based sex Identification through Rabha Vowels”**. J. Assam Sc Soc. Vol.49, December 2008, pp 42-48,
4. Presented a research paper on **“ Word Boundary detection of a continuous speech signal for Bodo language using pitch information”** in the 5th annual Conference of Assam Science Society organized by Gauhati university on 1st February, 2010.
5. Presented a research paper on **“ Word Boundary detection of a continuous speech declarative sentences for Bodo language using pitch information”** 2nd National Conference on Emergent Trend on Application of Computer science”. **IEEE, sponsored, 2011, p-116.**
6. **“LPC analysis of Vowels and Formant analysis of some typical CV and VC type of work in Bodo language”** 3rd National Conference on Emergent Trend on Application of Computer science”. **IEEE, sponsored, 2012, p-193.**
7. Presented a research paper on **“ Representation of Rabha Phonemes”** in the 58th annual Conference of Assam Science Society organized by Gauhati university on 8-9 March, 2013.
8. Presented a research paper on **“ Spectrogram analysis of Bodo phonemes”** in the 58th annual Conference of Assam Science Society organized by Gauhati university on 8-9 March, 2013.
9. **“A Comparative study of Bodo and Rabha Phonemes based on Linear Predictive Code analysis”** presented at Zonal seminar on “Harnessing Relevant Technologies for NE .Region” 11 May 2013. Organized by The institute of electronics and telecommunication Engineerings. NE Region. Page 19-22.
10. **“Acoustic Representation Of Vowel and Some Typical CV And VC Type Of Words In Bodo Language”**
11. **“Spectrographically study of speech signal with reference to Assamese vowels”** published in WRSC, ISSN: 2278-5590, Vol: IV January 2015.
12. **“Analysis of pitch variation of Assamese declarative sentences for word boundary determination and tagging”** published in Bholanath College science journal, ISSN : 2455-6165, Vol 1 2016.

13. **“Acoustic Representation Of Vowel And Some Typical CV And VC Type Of Words In Bodo Language”** Published in B.N college science Journal, ISSN: 2455-6165, Vol 2 2017.

14. **“Analysis of Pitch Frequency of some typical closed syllabic Assamese words with reference to vowel phonemes”** A Peer Rvieded biennial Journal of WSRC, Rangia College, Rangia , Vol VI, May 2019 , ISSN:2278-5590

Dr. Mahendra Kalita

1) **Thermo physical properties of some medicinal plant leaves of north east India by XRF and DSC methods.** Indian J.Phys.74A (3), 259-261 (2000) (an international Journal)

2) **A study on Crystallographic and Thermophysical properties of some Medicinal Plant leaves with XRD, TG and DTG methods" Proceedings of, The 6th Asian Thermophysical properties conference** October 08-11, 2001, Guwahati, India

3) **Molecular and Crystal Structure of 6 α -acetoxy azadirone.** Indian Journal of Chemistry, Vol.B46, November 2007, pp1879-1882 (an international journal)

4) **Molecular and crystal structure of an isoflavonoid, 5, 7, 4'-trihydroxy-6, 3'- diprenylisoflavone from Cudrania javanensis.** Indian Journal of Chemistry,

Dr. Mitali Das

1) U.G.C. Seminar on **" The Problems and Prospects of Rural Energy In Assam "** organised by Rangia College, Rangia on August 21-22,1999.

2) Workshop on **“Rural Industrialization and Gandhian Ideology”** held on October 30-31, 2003 organized by Economic Study Forum, Rangia College in association with SPEED.

3) **“Industrial awareness mission and workshop”** under Govt. of Assam held in Rangia College from 18th to 19th November, 2003.

Dr. Mausumi Bhuyan

(A) Journal Publications:

1. ‘Temporal and spatial study of neon ion emission from a plasma focus device’

M. Bhuyan, N.K. Neog, S.R. Mohanty , C.V.S. Rao, P.M. Raole,Physics of Plasmas, Vol.18, page 033101(2011) I.F.=2.3

2. ‘Characterization of the neon ion beam emitted from plasma focus device’**M. Bhuyan, N.K. Neog, S.R. Mohanty, C.V.S. Rao, P.M. Raole, IOP Publishing : Journal of Physics: Vol. 208 page 012126 (2010)**

3. ‘Studies on Ion Emission from the Plasma Focus Device by Using Ion Collector and Track Detector’**M. Bhuyan** ,N. K. Neog , S. R. Mohanty, C. V. S. Rao , P. M. Raole; **J. Fusion Energy, Vol 29, page 177-180 (2010)**
4. Experimental evaluation of protons emission from a plasma focus device’**M. Bhuyan** and S.R. Mohanty; **Journal of Plasma Physics , 78(2012)507-513**
5. ‘Plasma Focus Assisted Damage Studies on Tungsten’**M. Bhuyan** ,S.R. Mohanty ,C.V. S. Rao , P.A. Rayjada ,P. M. Raole, **Applied Surface Science , 264(2013)674-680**
6. ‘Structural damages on tungsten and graphite samples upon ion irradiation’ **M. Bhuyan, Horizon- A Journal of Physics, Vol. 4, page 111 (2017), ISSN-2250-0871**
7. ‘Damage studies of Tungsten due to Neon Ion Ion Irradiation’, **ITAR International Conference, ITAR Explore Bangalore (2017), ISBN: 9788192958093**
8. ‘Characterization of Neon and proton track detector’**M. Bhuyan**; **National Conference in Progresses in Nuclear and High Energy Physics , GU, 30-31st March (2018)**
9. ‘Measurement of elastic scattering and transfer cross section on $^{10}\text{B} + ^{40}\text{Ca}$ system’, **H. Al Rashid, K. Kalita, M. Bhuyan ; Accepted in IEEE (2019)**
10. ‘**Characteristics of axially emitted proton from plasma focus device**’**M. Bhuyan** and S.R. Mohanty , JASS-A Journal of Assam Science Society, Vol. **52**,No. 2, **December (2011) , ISSN : 0587-1921**
11. ‘**Surface Morphological and Structural Changes on Tungsten due to proton irradiation in plasma focus device**’**M. Bhuyan**, S. R. Mohanty and K. Kalita, JASS- A Journal of Assam Science Society , Special Volume (2009) , ISSN : 0587-1921
12. “**Carbon-backed thin tin (^{116}Sn) isotope target fabrication by physical vapor deposition technique**” **N. K. Deb, K. Kalita, P. K. Giri, S. R. Abhilash, G. R. Umapathy, Rohan Biswas, Amar Das, D. Kabiraj, S. Chopra, M. Bhuyan ; Journal of Radioanalytical and Nuclear Chemistry (2020) 326:97–104**

-----Department of Physics, RC----

Annexure II

Seminar, Workshop Symposia, Training programme and other similar programmes attended .

Dr. Rina Barman

<i>Name of the programme</i>	<i>Subject /Topics</i>	<i>Paper presented (Yes / No)</i>	<i>Date/ Period</i>	<i>Venue</i>	<i>Sponsoring agency</i>	<i>International / National/ State level etc.</i>

Seminar	1	National Seminar on 'Environmental Degradation on Germplasm with special reference to N.E. India'	Yes	Jan 23-24,2014	D.K. College, Mirza, Assam	U.G.C.	National
	2	National Seminar on Society and women Empowerment	No	21-22 January,2015	Rangia College	U.G.C.	National
	3	International Seminar on Socio-Economic development of South Asian Countries –past, present and beyond	No	18-19 Dec, 2015	Srimanta Sankardev Kalakhetra	ICSSR	International
	4						
	5						
Workshop	1	Policies and Problems of Higher Education in Assam	No	4-5 June,2010	Handique Girls' College	U.G.C.	National
	2	Application of scientific equipments & modern devices in teaching social sciences & humanities disciplines for College Teachers	No	30 th &31 st January, 2011	D.K. College in collaboration with ACTA	U.G.C.	National
	3	The Effect of mobile phone radiation on human and animal health as well as on the environment.	No	8,9&10 th Oct, 2012	A.D.P. College, Nagaon, Dept. of Chemistry.	Collaboration: Ellora Vigyan Manch, Nagaon	National
	4	Recent trends in molecular Biology & Microbiology	No	Rangia College	29-31 January, 2013	ILBiotech Hub & Dept of Botany	National
	5	National Workshop on 'College Development, Challenges and Opportunities'	No	Feb 14-15,2014	Phanidhar Datta Seminar Hall, G.U.	U.G.C.	National
	6	National Workshop on Molecular Biology & Bioinformatics	No	April 8-10,2014	Rangia College	Dept. of Biotechnology, Govt of India	National

	7	Basic sciences for higher secondary students.	Resource person	30 th Oct-1 st Nov, 2017	Rangia College	Biotech Hub&Dep t. Of Botany	
Conference	1	North East Teachers' Congress-2014	No	3 rd ,4 th ,5 th January,2015	U.S.T.M., Meghalaya	ERD Foundation & CSIR-NEIST	National
	2	Women Convention		2 nd Nov, 2016	Paschim Guwahati Mahavidyalayan Dharapur	Women Cell, A.C.T.A	
Convention	3	Study tour to Kunming & Beijing in China		13-18 April,2017	3 Chinese Universities	India China Alliance for Cooperation, New Delhi	
Study Tour	4	Indian Association of Physics teachers Regional Council		2-3 July, 2011	D.B.I., Guwahati	East Zone Meet	
Regional Council	5	Sensitization programme on combating gender based violence for teacher-in-charge of Women Cell/Women study centre of Colleges/University of Eastern India		26-28 Sep, 2012	NIPCCD, Regional Centre	National Institute of Public Cooperation & Child Development	
Training Programme	1	Workshop on Electronics Experiments in Undergraduate Physics Course		June 16 (one week)	Dept. of Physics & Instrumentation andUSIC	Gauhati University	
Symposium	1	A popular talk on Einstein for everyone	No	14 March, 2016	Dept. of Physics Bajali College	Dept. of Physics Bajali College, Cotton College and A.P.S.	

Dr. Monoj Kumar Singha

<i>Name of the</i>	<i>Subject</i>	<i>Paper presente</i>	<i>Date/ Period</i>	<i>Venue</i>	<i>Sponsoring agency</i>	<i>International /</i>
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<i>programme</i>	<i>/Topics</i>	<i>d</i> <i>(Yes / No)</i>				<i>National/ State level etc.</i>	
Seminar	1	The Problem and Prospect of Rural Energy in Assam	No	21-22 August 1999	RC	UGC	National
	2	Entrepreneurial Career for Students	No	31 July 2002	RC	,ICGC	State
	3	Yuddhottar Yugar Asomiya Matak	No	8 Nov. 2002	RC	--	State
	4	The Problem of Deficit Grant in Aid Colleges of Assam	No	1-2 December 2004	Pragiyotish College, Guwahati	UGC	National
	5	Good Teaching in HE and its Impact on Students' Performance.	No	9-10 Nov 2004	Kamrup College, Chamata	UGC	State
	6	Relevance of Value Based Education and Moral Philosophy in Social Perspective	Yes	6-7 Feb 2005	Goalpara College	UGC	National
	7	Management Development Programme	NO	7-8 June 2005	SRC	Reform Prayas	State
	8	Need of Value Education in the perspective of Present Social Turmoil	Yes	3-4 Jan 2006	DHSK College	UGC	National
	9	Sustainability of Values: Science and Laws of Nature	Yes	20-21 Jan 2006	RGB College	UGC	National
	10	Indian Rural banking	No	21-22 April 2006	College of Arts & Commerce		Local
	11	Challengeing Frontier in Applied Zoology	No	25-26 Aug 2006	RC	ZSA	State
	12	Need of Commercialized Plantation and Cultivation of Medicinal and Aromatically Plants	No	29 Nov 2006	RC	Kamrup Agroplant Multipurpose Society	Local

1 3	Physics of 20 th Century	No	18 Dec 2006	D.K. College, Mirza	UGC	National
1 4	Attracting Students/Teachers to utilize College Library Resources and services with SRT Assam	Yes	21 Dec 2006	All Assame College Librarian Association	UGC	State
1 5	55 th Annual Technical Session of Assam Science Society	Yes Paper 1	15 th February 2010	GU	UGC	National
1 6	55 th Annual Technical Session of Assam Science Society	Yes Paper 2	15 th February 2010	GU	UGC	National
1 7	2 nd National seminar on Emerging Trend and Applications in Computer Science	Yes	4-5 th March 2011	St Anthony College, Shillong	IEEE	National
1 8	Frontiers in Science and Technology	Yes	8-9 March 2013	GU	Assam Science Society	National
1 9						
2 0	IAPT Regional Council (RC 17)	No	2-3 July 2011	D.B.I Guwahati	IAPT	Zonal
2 1	Linguistic Movements and their future in Southern Assam	Yes	19-20 August 2011	Srikishan Sarda College, Hailakandi	UGC	National
2 2	3 rd National seminar on Emerging Trend and Applications in Computer Science	Yes	30-31th March 2012	St Anthony College, Shillong	IEEE	National
2 3	College Development- Challenges and Opportunities	No	14-15 feb 2014	GU	UGC	National
2 4	Molecular	No	8-10 April 2014	RC	DBT	National

		Biology & Bioinformatics					
	25	National seminar on Microbiology and Biometrics	No	8-10 April 2014	RC	DBT	National
	26	Challenges & opportunities of the colleges	NO	February 2014	RC	UGC	National
	27	Inclusive Growth in Local Context	No	20-21 Jan 2012	RC	UGC	National
	28	Society and Women Empowerment	No	21-22 Jan 2015	RC	UGC	National
	29	Socio-Economic Development of South Asian Countries Past and Beyond	No	18-19 Dec 2015	Sankar Dev Kala Khatra	ICSSR	International
	30	HE Tour for Faculty, Research Scholar and Students from India	No	13-18 April 2019	China	India China Alliance for Cooperation	International
	31	Training of Conduct of Examination & evaluation	--	2019	Down Town University	AHSEC	State
Work shop	1	Repair and maintenance of laboratory Instruments'	No	6-11 April 1992	USIC-GU	ASTEC	National
	2	Convergent Community Action	No	15-17 December 1997	Panchayat & Rural Development , Assam	UNICEF	State
	3	Preparation of refilling chemicals for water testing	No	22-24 December 1998	All India Institute of Hygiene and public Health	UNICEF	National
	4	Vocational Guidance and Employment Counselling	No	12 May 2003	Employment & Craftsmen Training	E&CT, Assam	State
	5	Khadi and Village	No	30-31 Oct	SPEED	SPEED	State

		Industries		2003			
	6	Vision 2020:Assam	No	6-7 Dec 2005	DU	North Eastern Council	National
	7	Mental Health Among College Students	No	10 Mar 2007	GNRC Hospital	GNRC	State
	8	Spoken Language Prosody	No	25-27 Nov 2009	C-DAC, Kolkata	IWSLPR-09	International
	9	Scilab and Spoken Tutorial	No	7-8 dec 2010	ICT, IIT Bombay	--	National
	10	Mask Making	No	28-1 feb 2011	IQAC, RC	Self	Local
	11	Workshop on Handicrafts	No	1-3 Nov 2012	WSRC,RC	WSRC	Institutional
	12	Application of Allied Science in Life Studies	No	22-24 Mar 2013	Pub Kamrup College	DBT	State
	13	Embedded System Design for Scientific Application	No	18-24 Feb 2013	USIC	CSIR Pilani	State
	14	Volunteer's Skill Development	No	29-30 Nov 2014	SRC	GVSA	State
	15	MOOC,SWAYA M & Development of E contents(OER)	--	1-1 June 2019	West Guwahati College of Education	UGC-HRDC	State
	16	Revised A&A Framework and Compilation of SSR	--	4 June 2019	Sonapur College	NAAC	State
	17	Behavioral Remodeling & Use of ICT Tools for Classroom Delivery of Teacher	Organizer	24-29 June 2019	RC	ICT Academy,II T-G	State
Training	1	Education in Spiritual and Human values-Life Empowerment	No	10-12 Novemvber 2000	Prajapita B.K I Viswa Vidyalaya	PBKIVV	State
	2	Training programme on Income generation	No	29 Sept 1 oct 2002	EEC,RC	SRD	State

Dr. Mahendra Kalita

<i>Name of the programme</i>		<i>Subject /Topics</i>	<i>Paper presented (Yes / No)</i>	<i>Date/ Period</i>	<i>Venue</i>	<i>Sponsoring agency</i>	<i>International / National/ State level etc.</i>
Semin ar	1						
	1	Women,s Role in science & Technology	yes	4 th ,5 th , & 6 th Feb,2015	Gossaigaon College	UGC	International
	2	Manash National park and its Bio-Diversity	Yes	21 st and 22 nd september 2012	Bhabanipur Anchalik College	UGC	National
	3	Impact of caste and class Division in social formation of Assam	No	19 th and 20 th April 2013	Rangia college	UGC	National
	4	Society and women empowerment	No	21-22, January,2 015	Rangia College	UGC	National
Works hop	1	3 Day work-shop on “PC Assembling & repairing		21st to 23 rd December 2010	Dept of physics GU		Regional
	2	Inclusive Growth in local context	No	20 th & 21 st January 2012	Dept. of Economics Rangia College	UGC	National
	3	Impact of man made environment on society and its management	No	May 10-11, 2013	Tihu college science forum	UGC	National
	4	Accelerator based multi-disciplinary scientific research		16 th November ,2015	Department Of Physics, G.U		Regional
	5	One day workshop on Outcome based Learning for Introduction to Computing		20 th February2 019	IIT G and Rangia college		Regional

Conference	1	"A study on crystallographic and Thermophysical properties of some Medicinal Plant leaves with XRD, TG and DTG methods" <i>Proceedings of, The 6th Asian Thermophysical properties conference October 08-11, 2001,</i>	Yes	October 8-11, 2001	GU	Women's Role in science & Technology	International
	2	Disease Biology and Therapeutics	Poster Presentation	3 rd -5 th December 2014	IASST, Guwahati	DST, New Delhi	International
	3	1st National conference on Thermophysical of solid and fluid		March 1999	GU		National
	4	58 th annual conference "Assam college Teachers' association	No	23-26 June, 2011	Duliajan College Duliajan Assam		Regional
	5	62nd annual conference "Assam college Teachers' association	No	01-04, November, 2015	Barnagar college Barpata		Regional
	6	52 nd Annual technical session, Assam science society, Guwahati	yes	18 th march 2007	Cotton College, Guwahati		Regional

Mrs. Mitali Das

<i>Name of the programme</i>	<i>Subject /Topics</i>	<i>Paper presented (Yes / No)</i>	<i>Date/ Period</i>	<i>Venue</i>	<i>Sponsoring agency</i>	<i>International / National/ State level etc.</i>
Seminar	1	Radium Content and Radium Exhalation Rates from some soil samples Using Solid State Nuclear Track Detectors.		Chemical and Environmental Research, Vol. 17 No. 1 &		National

				2, 2008.			
	2	Manash National park and its Bio-Diversity	Yes	21 st and 22 nd september 2012	Bhabanipur Anchalik College	UGC	Nationa;
Work shop	1						
Conference	1						

Dr. Mausumi Bhuyan

<i>Name of the programme</i>		<i>Subject /Topics</i>	<i>Paper presented (Yes / No)</i>	<i>Date/ Period</i>	<i>Venue</i>	<i>Sponsoring agency</i>	<i>International / National/ State level etc.</i>
Seminar	1	Society and Women Empowerment	No	21-22 January, 2015	Rangia College	UGC	National
	2	Advances in Physical and Biological Sciences	Yes	6 th and 7 th April, 2015	Jagiroad College	UGC	National
	3	Progresses in Nuclear and High Energy Physics	Yes	30 th and 31 st , 2018	Dept. of Physics, G.U	UGC	National
	4	Advances in Materials Science	Yes	24-25 March, 2017	Dept. of Physics G.U	UGC-SAP(DRS III)	National
Workshop	1	Procedures and Applications of XRD, XRF and Single Crystal XRD		27 th July to 1 st August 2018			National
	2	ST Radar of Gauhati University: System and Application Potentialities		19 th -20 th October, 2016	Gauhati University and SAMEER Mumbai		National
	3	Accelerator in N.E region : Opportunities and Challenges		14 th May 2019	Department Of Physics, G. U		National

	4	One day workshop on Importance of Inter-disciplinary subjects on 9 th Oct.		9 th October, 2012	in Institute of Science & Technology, GU		National
	5	DAE-BRNS Workshop on Haron Physics in during		Oct 31- Nov 4, 2011	Bhabha Atomic Research Centre (BARC), Mumbai		National
Conference	1	Recent Advances in Physics Research and its Relevance		10 th -12 th Nov, 2016	Dept. of Physics, St. Anthony's College	BRNS	National
Training Programme	1	Faculty Development Programme (FDP)		18 th - 30 th April, 2016	Rangia College	NSTEDB	
	2	FDP		8 th -22 nd June 2017	Rangia College	NSTEDB	
	3	Electronics and ICT Academy		12-17 November, 2018	Radha Govinda Baruah College	Ministry of Electronics and Information Technology, Govt. of India	
Symposium	1	A popular talk on Einstein for everyone	No	14 March, 2016	Dept. of Physics Bajali College	Dept. of Physics Bajali College, Cotton College and A.P.S.	

Annexure II

RESULT OF THE FINAL EXAMINATION OF LAST FIVE YEARS

ROLL:12036

RESULT YEAR

2015

SL NO	ROLL NO	NAME OF THE STUDENT	PHONE NO.	Enrollment	APPEARED	TOTAL PASS	CGPA
1	9	AMIT KUMAR SINGH	XXXXXXXX		16		6.2

2	12	BIDYUT BALA	XXXXXXXX	29		9	6.4
3	20	DIPJYOTI KUMAR	XXXXXXXX				5.1
4	25	DEEP KUMAR PRAPRASAD	XXXXXXXX				6.3
5	52	MANASH PRATIM SARMA	XXXXXXXX				
6	58	NIKHIL PARASAR	8486948654				7.1
7	59	NABAJIT DEKA	XXXXXXXX				4.9
8	85	SUNIL SARMA	9435739925				7
9	107	LEENA DUTTA	7002132397				6.8
XX	XX	XXXX	XXXXXXXX				XXX

ROLL:13036

RESULT OF YEAR

2016

SL NO	ROLL NO	NAME OF THE STUDENT	PHONE NO.	ENROLLMENT	APPEARED	TOTAL PASS	CGPA
1	4	AJOY BORO	8876725676	37	19	10	7.5
2	6	AMALEMDA NATH	XXXXXXXX				5.6
3	30	BISWAJIT DAS	XXXXXXXX				7
4	67	HIREN SWARGIARY	XXXXXXXX				6.8
5	74	JITENDRA NANDI	XXXXXXXX				5.3
6	79	KAMAL KRISHNA NATH	XXXXXXXX				5.5
7	82	KAMINI ROY	XXXXXXXX				6.2
8	91	MINTU PATOWARY	XXXXXXXX				5.9
9	103	NILOTPAL NATH	XXXXXXXX				4.7
10	200	UPSANA BAISHYA	XXXXXXXX	6.6			

ROLL:14036

RESULT OF YEAR

2017

SL	ROLL	NAME OF THE STUDENT	PHONE NO.	ENROLLMENT	APPEARED	TOTAL	C.G.P.A
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NO	NO					PASS	
1	31	DEEP SARKAR	8474062665				6.1
2	39	DIPANKAR DAS	8134802087				6.2
3	43	GAUTAM SARANIA	9859762120				6.6
4	75	MANASH PRATIM SARMA	9706379760	45	19	10	6
5	76	MANASH PRATIM DEKA	8876018864				6.4
6	96	NIPU SARANIA	XXXXXXXX				7.8
7	97	NITUSMAY KALITA	9678557489				7.3
8	132	SHYAM KUMAR SAH	9678529691				6.8
9	137	TANMAY DAS	9085512448				7
10	160	MAMATA SWARGIARY	9678088144				7.1
		XXXX	XXXXXXXX	xxxxxxxxxx	XXXXXXXX	XXXXXX	XXXXXX

ROLL:15036

RESULT OF YEAR

2018

SL NO	ROLL NO	NAME OF THE STUDENT	PHONE NO.	ENROLLMENT	APPEARED	TOTAL PASS	C.G.P.A
1	5	AKASH TAPADAR	XXXXXX				59.23
2	43	HIRAK JYOTI GOSWAMI	XXXXX				54.11
3	93	RAJAT SHIL	XXXXX				58.76
4	40	HEMENTA BORO	XXXXXX				73.64
5	44	HIRAK JYOTI KALITA	XXXXXXXX	35	15	11	69.64
6	53	JAYANTA KALITA	XXXXXXXX				65.41
7	69	MANASH SARANIA	XXXX				52.5
8	88	PRANAB KALITA	8761910611				59.35
9	143	MASUMA DEWAN	XXXXX				57.41
10	145	MAUSUMI BEGUM	XXXX				57.47

11	166	SABNAM AKHTAR					55.82
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ROLL:16036

RESULT OF YEAR

2019

SL NO	ROLL NO	NAME OF THE STUDENT	PHONE NO.	ENROLLMENT	APPEARED	TOTAL PASS	C.G.P.A
1	27	BRAJEN KALITA	8011295565	32	13	3	72.4
2	105	RAJSHEKHAR AGNIVASHYA	9706216518				77.8
3	235	TAPASHI MAHANTA	7039352104				59.7

ROLL:17036

RESULT OF YEAR

2020

SL NO	ROLL NO	NAME OF THE STUDENT	PHONE NO.	ENROLLMENT	APPEARED	TOTAL PASS	C.G.P.A
1	2	ABHIJIT KUMAR	9706294485	29	19	13	8.14
2	35	DEBAJIT SARMA	9101435594				7.03
3	46	FARNAJ NARGISH	8761892432				8.5
4	47	GARISHMA KALITA	7577846001				7.29
5	57	HIRAK JYOTI BAISHYA	7002442309				7.35
6	58	HIRAKJYOTI KALITA	9954825798				8.29
7	63	JITU KALITA	9859851792				7.83
8	73	LAKHADHAR BORO	9365271843				8.0
9	84	MASTAFI	7896321369				7.68
10	85	MRIDUPAN KALITA	7896321369				7.47
11	87	NABAJYOTI KALITA	9101381593				7.58
12	101	RAHUL CHOUDHURY	9365322256				7.09
13	124	SAHIL HUSSAIN	8011569817				7.17

Activities of the department through lens



Felicitation of the Sahitya Academy awardee Dr. Rujab Muchahari & farewell function of Sarat Kalita, retired bearer of the department

Departmental seminar presented by the students, 2019



Departmental seminar of the six semester students 2020





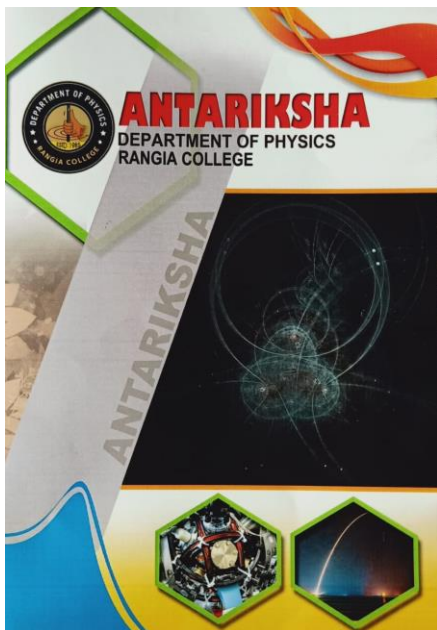
Celebration of National Science Day 2020



Webinar on Celebration of Teachers Day 2020



IAPT examination and certificate distribution 2019



Inauguration of the departmental journal ANTARIKSHA in 2019



Wall magazine 2018



Wall magazine 2019



Wall magazine 2020



Freshmen social for the first semester students and inauguration of the wall magazine “SKEPTIC”2020

An Outreach Programme by College in Rural Schools was organized on 9th March,2019 by IQAC& ICGC, in association with the Departments of Physics, Chemistry, Botany & Zoology of Rangia College .The Programme was held in collaboration with ASTEC,Govt. of Assam. The Resource Persons were Dr.Jogen Kalita, Director, ASC,GU and Dr Pankaj Gogoi, Scientific Officer, ASTEC Four Rural Schools participated in the Programme.





Few light moments



*Farewell of Dr. Snigdha Sarkar, Associate Professor
Department of Botany.*



*Farewell of Mrs. Madhurima Das, Associate Professor
Department of Philosophy*



Farewell function of the six semester general students 2020



Farewell function of the six semester major students 2020