



## Yearly Status Report - 2018-2019

### Part A

#### Data of the Institution

<b>1. Name of the Institution</b>		GAUHATI UNIVERSITY
Name of the head of the Institution		Prof. Pratap Jyoti Handique
Designation		Vice Chancellor
Does the Institution function from own campus		Yes
Phone no/Alternate Phone no.		03612570412
Mobile no.		9435012920
Registered Email		vc@gauhati.ac.in
Alternate Email		pjh@gauhati.ac.in
Address		Gauhati University, Gopinath Bardoloi Nagar, Guwahati
City/Town		Guwahati
State/UT		Assam
Pincode		781014

<b>2. Institutional Status</b>					
University	State				
Type of Institution	Co-education				
Location	Urban				
Financial Status	state				
Name of the IQAC co-ordinator/Director	Prof. Kandarpa Das				
Phone no/Alternate Phone no.	03612570415				
Mobile no.	9435043124				
Registered Email	coordinator.iqac@gauhati.ac.in				
Alternate Email	kandarpadas@gauhai.ac.in				
<b>3. Website Address</b>					
Web-link of the AQAR: (Previous Academic Year)	<a href="http://web.gauhati.ac.in/iqac/download/aqar">http://web.gauhati.ac.in/iqac/download/aqar</a>				
<b>4. Whether Academic Calendar prepared during the year</b>	Yes				
if yes,whether it is uploaded in the institutional website: Weblink :	<a href="https://www.gauhati.ac.in/topmenu.php?id=calendar">https://www.gauhati.ac.in/topmenu.php?id=calendar</a>				
<b>5. Accrediation Details</b>					
Cycle	Grade	CGPA	Year of Accrediation	Validity	
				Period From	Period To
1	Four Star	00	2002	12-Feb-2002	11-Feb-2007
2	B	2.91	2010	28-Mar-2010	27-Mar-2015
3	A	3.04	2018	16-Aug-2018	15-Aug-2023
<b>6. Date of Establishment of IQAC</b>	28-Feb-2001				
<b>7. Internal Quality Assurance System</b>					

Quality initiatives by IQAC during the year for promoting quality culture

Item /Title of the quality initiative by IQAC	Date & Duration	Number of participants/ beneficiaries
IQAC meeting	07-Sep-2018 1	11
IQAC meeting	25-May-2019 1	21
IQAC meeting	30-Aug-2019 1	17
Participation in NIRF	08-Apr-2019 2019	13
NAAC Awareness programme	16-Nov-2018 1	154
Environmental/Green Audit	29-Sep-2018 2018	12
Establishment of Technology-Incubation Centre/Start-up cell	28-Dec-2018 1	8

**8. Provide the list of Special Status conferred by Central/ State Government-UGC/CSIR/DST/DBT/ICMR/TEQIP/World Bank/CPE of UGC etc.**

Institution/Department/ Faculty	Scheme	Funding Agency	Year of award with duration	Amount
Statistics	DST FIST	DST	2016 5	4300000
USIC & Instrumentation	SAIF	DST	2018 1	7000000
Anthropology	SAP DRS -I	UGC	2016 5	13500000
Chemistry	DST FIST II	DST	2014 5	24800000
Geography	SAP DRS III	UGC	2013 6	6900000
Geological Sciences	DST FIST	DST	2016 5	13500000
GUIST	TEQIP III	World Bank, MHRD	2018 3	10000000
Economics	SAP DRS II	UGC	2017 5	5600000
Political Science	SAP DRS II	UGC	2015 5	5400000
Physics	SAP DRS III	UGC	2016 5	8125000
Physics	DST FIST I	DST	2017 4	10200000
Sanskrit	SAP DRS II	UGC	2018	5250000

			5	
Zoology	DST- FIST(O)	DST	2018 5	5400000
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<b>9. Whether composition of IQAC as per latest NAAC guidelines:</b>	Yes
Upload latest notification of formation of IQAC	<a href="#">View File</a>
<b>10. Number of IQAC meetings held during the year :</b>	3
The minutes of IQAC meeting and compliances to the decisions have been uploaded on the institutional website	Yes
Upload the minutes of meeting and action taken report	<a href="#">View File</a>
<b>11. Whether IQAC received funding from any of the funding agency to support its activities during the year?</b>	Yes
If yes, mention the amount	542416
Year	2018

<b>12. Significant contributions made by IQAC during the current year(maximum five bullets)</b>
1. Formation of Departmental Quality Assurance Cells (DQACs).
2. Formulation of the structured Feedback mechanism.
3. Environmental/Green Audit .
4. Establishment of the Gauhati University Technology Incubation Centre (GUTIC).
5. Students Grievance Redressal Cell as per UGC guidelines .

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<b>13. Plan of action chalked out by the IQAC in the beginning of the academic year towards Quality Enhancement and outcome achieved by the end of the academic year</b>
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Plan of Action	Achivements/Outcomes
Filling up the vacant teaching positions to increase students teacher	Posts advertised, candidates shortlisted and interviews are being

ratio	held
Introduction of CBCS at undergraduate level at the affiliated college	CBCS implemented in undergraduate classes w.e.f. 2019-2020
Formation of Departmental Quality Assurance Cells (DQAC)	DQAC formed in all Academic departments
Framework for Feedback mechanism	Collection, Analysis and utilization of structured feedback has started
Augmentation of the Grievance Redressal mechanism	Grievance Redressal Cell as per UGC guidelines has been activated and working normally
Environmental/Green Audit	Green audit of the University 2018-2019 has been done
Formation of the Institutional Research Ethics committee	Institutional Research Ethics committee has been functioning, organised several workshop to sensitise the researchers
Timely declaration of results	Partially Achieved
Automisation of the students admission process	The Admission process has been made fully online.
Formulation of Institutional Protocols for quality control of publications	Faculty level committees are being constituted as quality control protocol
Increase diversity in students profile	Admission policy was duly amended to accommodate more students from universities other than Gauhati University. 100% seats were open for all in the interdisciplinary programme. 50% of the seats were thrown open for students of all universities. Admission tests are conducted in 12 centres covering all major district head quarters of Assam and other north-eastern states
Solar power generation to increase from present 150 KW to 1000 KW	New solar plants of 75 KW have been installed in the library.
Establishment of Technology incubation centre (GUTIC)	The existing Start-up, Enterpreneurship and Innovation Cell at GUIST has been upgraded to Gauhati University Technology Incubation Cell (GUTIC) on 27th August, 2018. MoU with Oil India Limited for funding start-ups.
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<b>14. Whether AQAR was placed before statutory body ?</b>	Yes
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Name of Statutory Body	Meeting Date
Executive Council	13-Nov-2019

<b>15. Whether NAAC/or any other accredited body(s) visited IQAC or interacted with it to assess the functioning ?</b>	Yes
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Date of Visit	16-Nov-2018
<b>16. Whether institutional data submitted to AISHE:</b>	Yes
Year of Submission	2019
Date of Submission	28-Jan-2019
<b>17. Does the Institution have Management Information System ?</b>	Yes
If yes, give a brief description and a list of modules currently operational (maximum 500 words)	<p>Integrated University Management System (IUMS) Gauhati University has been using Integrated University Management System (IUMS) since 2017. The IUMS has two major module divisions: a) Academic and b) Accounts and Finance The Academic has total fifteen modules. The Pre Admission module deals with the online application form fill up, entrance examinations, admit card issue, results and ranking etc. Admission module deals with all activities of admission to the university fee payments, class entry and hall entry etc. The Academic module deals with the Registration of students, college level information and management etc. The Affiliation module manages affiliation of new colleges and courses, subjects etc. Examination process is managed by three modules - Pre Examination module related to online filling up of forms, issue of admit card and other pre examination process The Examination Process module deals with mark foil generation and OMR generation etc. The Post examination module manages result processing, statistics, mark sheet and declaration of results etc. There is a separate module for Fee Management to maintain all fee related data. Hostel Management module deals in the GU hostels. Separate module is dedicated for Alumni related activities. Placement services also done have separate module. Certificates and Convocation has a separate module which manages all activities starting from application to delivery . One module is dedicated to paper setters of the GU examinations. Accounts and Finance division also include Administrative activities. This</p>

division has again twelve modules. Establishment Module controls pay, promotion, bank details of GU Employees, Employee Service Book and other details. Another module is HRMS and Pay Roll which deals with the employee salary, loan, Income Tax, attendance, arrear, salary slip and Insurance etc. Store and Purchase module deals with store management of the university, stock maintenance etc. Budget, Bill Tracking and Financial accounting is another module that deals with bills and financial transaction tracking, approval system etc. including Ledger entry, bank entry vouchers, cash book. Another module is File Letter Movement which controls all types of file and letters' movement in Gauhati University and its tracking. Pension is also managed in the IUMS with a module which records all pension related activities and gratuity of the former GU employees.. Employee Portal sub module is linked to the employee's database including leave request and search facility. GU Guest House is also managed by the IUMS with a sub module for all it's related activities. Vice chancellor admin is a sub module for all records of VC's visitor, calling database, VC schedule meetings, contact and all activities of VC's Secretariat. RTI Module manages all RTI related activities in the university. Asset management sub module is related to all assets of the GU. Provident Fund is also managed with a IUMS module. The IUMS also manages the data of colleges under the GU for various activities in the integrated system. The IUMS is also working on the Legal Management system with a module which will be fully on work in recent time.

## Part B

### CRITERION I – CURRICULAR ASPECTS

#### 1.1 – Curriculum Design and Development

##### 1.1.1 – Programmes for which syllabus revision was carried out during the Academic year

Name of Programme	Programme Code	Programme Specialization	Date of Revision
Mtech	MST	Material Science	29/03/2018
MS	MSC	Chemical Science	29/03/2018
MS	MSP	Physical Science	29/03/2018

BTech	BT	Biotechnology	29/06/2018
Mtech	BET	Biotechnology	29/06/2018
BEd	B Ed	Special Education	29/06/2018
MSc	EVS	Environmental Science	29/06/2018
Mtech	MST	Material Science and Technology	29/06/2018
MSc	BOT	Botany	29/06/2018
MPhil	MPhil	Commerce	29/06/2018
MCom	COM	5 year integrated	29/06/2018
PG Diploma	PG Diploma	Indian Classical Music	29/06/2018
BTech	ECE	ECE	29/06/2018
BTech	ECEH	ECE (Hons)	29/06/2018
Mtech	SPC	Signal Processing and Communication	29/06/2018
Mtech	SPV	Signal Processing and VLSI	29/06/2018
BA	NEP	Nepali (major)	29/03/2018
BA	NEP	Nepali (MIL)	29/03/2018
MPhil	MPhil	Political Science	29/03/2018
PhD or DPhil	PhD	Political Science	29/03/2018
MPhil	MPhil	Folklore Research	29/03/2018
PhD or DPhil	PhD	Folklore Research	29/03/2018
PhD or DPhil	PhD	IT	29/03/2018
PhD or DPhil	PhD	Psychiatric Nursing	29/03/2018
MA	ECO	Economics	29/03/2018
BA	BMMVC	Mass Media	29/03/2018
MA	WOM	Women Studies	07/02/2019
PG Diploma	PG Diploma	Yoga	07/02/2019
PhD or DPhil	PhD	Sociology	07/02/2019
BA	SOC	Sociology	07/02/2019
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1.1.2 – Programmes/ courses focussed on employability/ entrepreneurship/ skill development during the Academic year

Programme with Code	Programme Specialization	Date of Introduction	Course with Code	Date of Introduction
MSc	Anthropology	01/08/2018	ANTH 3016, Applied Anthropology	01/08/2018
MSc	Anthropology	01/08/2018	ANTH 3033, Research Methodology in Physical	01/08/2018



			Anthropology	
MSc	Anthropology	01/08/2018	ANTH 3053, Research Methods in Socio-Cultural Anthropology	01/08/2018
MSc	Anthropology	01/08/2018	ANTH 3073Research Methods in Archaeological Anthropology	01/08/2018
MSc	Geography	01/08/2018	GGY 3123 Fundamentals of Remote Sensing and GIS	01/08/2018
MSc	Geography	01/08/2018	GGY 4193 Practical on Remote Sensing and GIS	01/08/2018
MSc	Geography	01/08/2018	GGY 4176 Environment and Climate Change	01/08/2018
MSc	Geological Science	01/08/2018	GLG 1064 Geoinformatics	01/08/2018
MSc	Geological Science	01/08/2018	GLG 2042 Engineering Geology	01/08/2018
MSc	Geological Science	01/08/2018	GLG 3016 Economic Geology	01/08/2018
MSc	Geological Science	01/08/2018	GLG 4026 Fuel Geology	01/08/2018
MA	Assamese	01/08/2018	ASS 1054 Creative Writing	01/08/2018
MA	Assamese	01/08/2018	ASS 2054 Editing	01/08/2018
MA	BODO	01/08/2018	BOD 2054 Development of Mass Media in Bodo	01/08/2018
MA	Education	01/08/2018	EDU 1046 Educational Technology	01/08/2018
MSc	Wildlife Science	01/08/2018	WLS 801 Wildlife Science	01/08/2018
MSc	Biotechnology	01/08/2018	BIT 3036 Bioresource and environmental Biotechnology I	01/08/2018

MSc	Biotechnology	01/08/2018	BIT 4026 Bioresource and environmental Biotechnology II	01/08/2018
MSc	Biotechnology	01/08/2018	BIT 3074 Food biotechnology and Bioprocessing I	01/08/2018
MSc	Biotechnology	01/08/2018	BIT 4036 Food biotechnology and Bioprocessing II	01/08/2018
MA	ELT	01/08/2018	LEL 1054 Academic Reading I	01/08/2018
MA	ELT	01/08/2018	LEL 2054 Academic Reading II	01/08/2018
MA	Sociology	01/08/2018	SOC 1026 Research Methodology I	01/08/2018
MA	Sociology	01/08/2018	SOC 2026 Research Methodology II	01/08/2018
MA	Mass Communication	01/08/2018	MMC 3016 Photojournalism	01/08/2018
MA	Mass Communication	01/08/2018	MMC 4024 Communication for Development	01/08/2018
MA	Economics	01/08/2018	ECO 2054 Quantitative aptitude and test of reasoning	01/08/2018
MA	Economics	01/08/2018	ECO 1054 Statistical software for data analysis and presentation	01/08/2018
MA	Economics	01/08/2018	ECO 4086 Indian economy post independence	01/08/2018
MBA	Economics	01/08/2018	MBE 2074 Statistical softwasre for data analysis and presentation	01/08/2018

MBA	Economics	01/08/2018	MBE 3118 Summer project	01/08/2018
MA	Women studies	01/08/2018	WOM 4084 Professional Skills Development	01/08/2018
MA	Women studies	01/08/2018	WOM 3016 Research methology	01/08/2018
MA	Political science	01/08/2018	POL 1016 Western political thought	01/08/2018
MA	Political science	01/08/2018	POL 1026 Political thought in modern India	01/08/2018
MA	Political science	01/08/2018	POL 1036 International relations I	01/08/2018
MA	Political science	01/08/2018	POL 1046 Public administration I	01/08/2018
MA	Political science	01/08/2018	POL 2016 Political theory I	01/08/2018
MA	Political science	01/08/2018	POL 2026 Politics in India	01/08/2018
MA	Political science	01/08/2018	POL 2036 International relations II	01/08/2018
MA	Political science	01/08/2018	POL 2046 Public administration II	01/08/2018
MA	Political science	01/08/2018	POL 2054 Participatory Democracy and local government	01/08/2018
MA	Political science	01/08/2018	POL 3026 Research Methodology I	01/08/2018
MA	Political science	01/08/2018	POL 3046 Indian foreign policy issues and challenges	01/08/2018
MA	Political science	01/08/2018	POL 3056 Gender and politics	01/08/2018

MA	Political science	01/08/2018	POL 3066 Comparative public administration	01/08/2018
MA	Political science	01/08/2018	POL 4016 Comparative political analysis	01/08/2018
MA	Political science	01/08/2018	POL 4026 Research methodology II	01/08/2018
MA	Political science	01/08/2018	POL 4104 NGOs and social services	01/08/2018
MA	Sanskrit	01/08/2018	SAN 1054 functional Sanskrit	01/08/2018
MA	Sanskrit	01/08/2018	SAN 3106 Fundamentals of Sanskrit Literature	01/08/2018

## 1.2 – Academic Flexibility

### 1.2.1 – New programmes/courses introduced during the Academic year

Programme/Course	Programme Specialization	Dates of Introduction
BTech	Applied Sciences	01/08/2018
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### 1.2.2 – Programmes in which Choice Based Credit System (CBCS)/Elective Course System implemented at the University level during the Academic year.

Name of programmes adopting CBCS	Programme Specialization	Date of implementation of CBCS/Elective Course System
BSc	Anthropology	01/06/2019
BA	Arabic	01/06/2019
BA	Assamese	01/06/2019
BA	Bengali	01/06/2019
BSc	Biotechnology	01/06/2019
BA	Bodo	01/06/2019
BSc	Botany	01/06/2019
BBA	Buisness administration	01/06/2019
BSc	Chemistry	01/06/2019
BCom	Commerce	01/06/2019
BCA	Computer Application	01/06/2019
BSc	Computer science	01/06/2019
BA	Economics	01/06/2019
BA	Education	01/06/2019
BSc	Electronic science	01/06/2019

BA	English	01/06/2019
BSc	Geography	01/06/2019
BA	Geography	01/06/2019
BSc	Geology	01/06/2019
BA	Hindi	01/06/2019
BA	History	01/06/2019
BA	Home science	01/06/2019
BSc	Information technology	01/06/2019
BSc	Mathematics	01/06/2019
BSc	Microbiology	01/06/2019
BA	Nepali	01/06/2019
BA	Persian	01/06/2019
BA	Philosophy	01/06/2019
BSc	Physics	01/06/2019
BA	Political science	01/06/2019
BA	Psychology	01/06/2019
BA	Sanskrit	01/06/2019
BA	Sociology	01/06/2019
BSc	Statistics	01/06/2019
BSc	Zoology	01/06/2019
BA	Folklore	01/06/2019

### 1.3 – Curriculum Enrichment

#### 1.3.1 – Value-added courses imparting transferable and life skills offered during the year

Value Added Courses	Date of Introduction	Number of Students Enrolled
Elementary Arabic	01/08/2018	55
Statistical Software for Data Analysis and Presentation	01/08/2018	30
Language , Communication and Writing	01/08/2018	50
Drama in Performance	01/08/2018	11
Practical Ethics	01/08/2018	72
Computer Fundamentals and Programming with C	01/08/2018	60
Research Writing in Social Science	01/08/2018	53
Functional Sanskrit	01/08/2018	50
Key Concepts in Feminism	01/08/2018	38
Skill for Managers	01/08/2018	11
Academic ReadingI	01/08/2018	31
Creative writing (SEMI)	01/08/2018	88

Creative writing (SEMII)	01/08/2018	88
Forms of Literature	01/08/2018	20
Feminism and Philosophy	01/08/2018	72
Academic Writing WOM	01/08/2018	38
Academic Reading II	01/08/2018	20
Translation Studies	01/08/2018	20
Text Editing	01/08/2018	20
Language Teaching	01/08/2018	44
Development in Mass media in Bodo	01/01/2019	44
Sociology of Change	01/08/2018	45
Environment and Society	01/08/2018	45
Computational biology	01/08/2018	20
Industrial Biology	01/08/2018	20
Group discussion and cocurricular activities	01/08/2018	54
Gender and Development	01/01/2019	30
Professional Skills Development	01/01/2019	30
Cultural Heritage of NE India	01/08/2018	53
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### 1.3.2 – Field Projects / Internships under taken during the year

Project/Programme Title	Programme Specialization	No. of students enrolled for Field Projects / Internships
MSc	Anthropology	30
MS	Chemical Science	7
MS	Physical Science	7
Mtech	Material Science and Technology	28
MA	Assamese	2
MSc	Biotechnology	19
MA	Bodo	41
MSc	Botany	40
MSc	Microbiology	10
MCom	Integrated MCom	50
MA	Mass communication and Journalism	32
PG Diploma	Disability Studies	30
BTech	Electronics and Communication Engineering	50
MBA	Economics	30

MSc	Environmental Science	15
MPhil	Folklore	11
PhD or DPhil	Folklore	11
MPhil	Foreign Languages	10
MSc	Geography	41
BTech	Information Technology	90
MLibSc	Library Science	28
MA	MIL and LS	20
MA	Psychology	27
MSc	Statistics	26
MA	Women Studies	3
MSc	Zoology	30
MSc	Wildlife Science	30
MA	Political Science, third semester	75
MA	Political Science, fourth semester	75
MA	Mass Communication	33
<a href="#">View File</a>		

#### 1.4 – Feedback System

1.4.1 – Whether structured feedback received from all the stakeholders.

Students	Yes
Teachers	Yes
Employers	No
Alumni	Yes
Parents	Yes

1.4.2 – How the feedback obtained is being analyzed and utilized for overall development of the institution?  
(maximum 500 words)

Feedback Obtained
<p>Action to be Taken: Feedback from all the stakeholders is received by the IQAC Task Force, maintaining strict confidentiality and using customized Google services, in a continuous manner. While details about the tools used in the process may be found in the weblink provided, here we discuss on the Action Plan. As derived from the compiled and analyzed feedback received over last five (05) years, the following timebound steps are approved by the Honble Vice Chancellor, GU, and proposed to be implemented by Dec 30, 2019: I. Administration (Registrar): (i) Declaration of Plastic and noise/hornfree campus (using signboards, serving notices to all the shops in the market area, hostels, Departments) (ii) Installation of Suggestion Boxes (50 in total) (iii) Wellmarked Zebracrossing for pedestrian at Traffic Points, marking of the Speedbreakers with glow markers, Cycle route etc. (iv) Cycle Stands (at least 2, one each at the main gate and new Arts Building entrance), and marked Cycle Lane on the stretch of main street (v) Installation of CCTV (vi) More efficiency in overall administrative delivery through implementation of ERP (vii) More efficient web resources. II. Academic Departments (HoDs): (i) To form Task Forces involving alumni (list of volunteers to be supplied by IQAC</p>

from the feedback received) particularly to a) mentor the existing students b) help in training and placement, and c) mobilize resources for the Department (ii) To use the Suggestion Box to encourage all the stakeholders to respond in making the Department a vibrant centre of teaching-learning (iii) To revise / restructure the course curriculum periodically so that the skill gap of the students is minimum and they are ready for placement Page 2 of 2 (iv) To encourage interdisciplinary and/or multidisciplinary research collaboration (v) To find mechanism for robust teacher-student interactions, may be in the form of an efficient mentor-mentee system (vi) To formulate and implement Employment Enhancement Mechanism, focusing on the requirements of the students, in the form of specialized coaching, Elective Courses in the existing curriculum to facilitate better performance in NET/GATE/JEST/JAM etc., and involving selected and competent alumni as experts / mentors (vii) To hold at least one (01) meeting with the parents / guardians in a semester. III. Academic Registrar: (i) More frequent meetings of College representatives to discuss about their academic requirements, and consider their views on policy decisions having impact on the Colleges (ii) More emphasis on curriculum formulation / revision for incorporating income generating skill development programmes (iii) College-teacher friendly ecosystem for facilitating better research environment in the affiliated colleges. IV. Secretary University Classes: (i) Better execution of online registration-admission process as well as overall coordination (ii) Better infrastructure for food and other facilities in the hostels, such as, WiFi, waste disposal plants, cycle stands, common room / recreation hall etc. (iii) ERP implementation, completing at least few more student modules by Dec 15. V. Controller of Examination: (i) To enhance online features in connection with examinations and certificates / gradesheets through ERP (ii) To formulate mechanism for more efficient collaboration with the Colleges.

## CRITERION II – TEACHING- LEARNING AND EVALUATION

### 2.1 – Student Enrolment and Profile

#### 2.1.1 – Demand Ratio during the year

Name of the Programme	Programme Specialization	Number of seats available	Number of Application received	Students Enrolled
MA	Comparative Indian Literature	15	42	15
MA	Persian	10	8	8
MA	Philosophy	72	367	72
MA	Political Science	75	1303	75
MA	Phsychology	28	211	28
MA	Sanskrit	70	150	70
MA	Sociology	45	657	45
MA	Women's Studies	36	172	36
PhD or DPhil	Arabic	8	62	8
PhD or DPhil	Assamese	10	309	10
PhD or DPhil	Bengali	11	56	11
PhD or DPhil	Biotechnology	7	95	7
PhD or DPhil	Chemistry	26	122	29



PhD or DPhil	Commerce	18	210	18
PhD or DPhil	Computer Science	3	66	3
PhD or DPhil	DEPT. OF ELECTRONICS AND COMMUNICATION ENGINEERING, GUIST	3	29	3
PhD or DPhil	Economics	9	159	9
PhD or DPhil	ECT	2	23	2
PhD or DPhil	Education	14	174	14
PhD or DPhil	English	3	174	3
PhD or DPhil	Folklore	17	183	17
PhD or DPhil	Geography	21	147	21
PhD or DPhil	Geological Sciences	3	16	3
PhD or DPhil	Hindi	4	61	4
PhD or DPhil	History	14	105	14
PhD or DPhil	Mass Communication	1	24	1
PhD or DPhil	Mathematics	17	134	17
PhD or DPhil	Persian	0	2	0
PhD or DPhil	Philosophy	2	49	2
PhD or DPhil	Physics	21	104	21
PhD or DPhil	Political Science	8	136	8
PhD or DPhil	Psychology	3	57	3
PhD or DPhil	Sanskrit	14	34	14
PhD or DPhil	Statistics	3	23	3
PhD or DPhil	Wildlife Science	3	30	3
PhD or DPhil	Women's Studies	2	51	2
PhD or DPhil	Zoology	22	154	22
MPhil	Assamese	7	302	7
MPhil	Bengali	2	29	2
MPhil	Commerce	0	2	0
MPhil	Economics	8	131	8
MPhil	Education	2	26	0
MPhil	English	6	194	6
MPhil	Hindi	4	56	4
MPhil	History	6	78	6
MPhil	Mass Communication	2	18	2

MPhil	Political Science	5	121	5
MPhil	Sanskrit	4	28	4
MPhil	Women's Studies	4	74	4
PhD or DPhil	Information Technology	4	52	4
PhD or DPhil	Library & Information Science	7	97	7
MA	Arabic	60	123	60
MA	Assamese	88	840	88
MA	Bengali	45	61	45
MA	Bodo	44	197	44
MA	Economics	75	761	75
MA	Education	54	936	54
MEd	Teacher Education	50	267	50
MA	English	66	1246	66
MA	English Language Teaching	35	221	35
MA	European Studies	20	55	20
MA	Hindi	50	169	50
MA	History	60	435	60
MLibSc	Library and information Sciences	30	571	30
MA	Linguistics	10	221	10
PhD or DPhil	Biotechnology (Bioengineering)	8	29	8
PhD or DPhil	Bodo	4	75	4
PhD or DPhil	Botany	20	148	20
PhD or DPhil	Business Administration	9	42	9
MSc	Anthropology	26	111	26
MSc	Botany	40	860	40
MSc	Microbiology	10	315	10
MSc	Chemistry	45	777	45
MSc	Environmental Science	12	355	12
MSc	Geography	38	634	38
MSc	Geology	28	232	28
MSc	Mathematics	80	513	80

MSc	Physics	50	740	50
MSc	Radiological Physics	10	132	10
MSc	Statistics	30	117	30
MSc	Zoology	40	1009	40
MSc	WildLife Science	20	184	20
MSc	Biotechnology	20	396	20
MSc	Computer Science	20	103	20
MSc	Information Technology	10	103	10
MSc	Electronics & Communication Technology	20	196	20
MSc	Micro Electronics and Advance Communication	10	196	10
MSc	Instrumentation & Applied Physics	20	129	20
MA (Journalism)	Mass Communication	36	363	36
MCom	Commerce	60	747	60
MBA	Business Administration	60	540	60
MPhil	GU DEPT. OF ANTHROPOLOGY	0	19	0
PhD or DPhil	GU DEPT. OF ANTHROPOLOGY	8	41	8
MPhil	GU DEPT. OF BIOTECHNOLOGY	0	5	0
PhD or DPhil	GU DEPT. OF BOTANY	20	141	20
MPhil	GU DEPT. OF BOTANY	10	100	10
PhD or DPhil	GU DEPT. OF BUSINESS ADMINISTRATION	8	61	8
MPhil	GU DEPT. OF ELECTRONICS AND COMMUNICATION TECHNOLOGY	2	13	0
MPhil	GU DEPT. OF ENGLISH LANGUAGE TEACHING	0	2	0

PhD or DPhil	GU DEPT. OF ENGLISH LANGUAGE TEACHING	2	13	2
MPhil	GU DEPT. OF ENVIRONMENTAL SCIENCE	0	1	0
PhD or DPhil	GU DEPT. OF ENVIRONMENTAL SCIENCE	2	23	2
PhD or DPhil	GU DEPT. OF FOREIGN LANGUAGES	8	32	8
MPhil	GU DEPT. OF FOLKLORE	14	137	14
MPhil	GU DEPT. OF FOREIGN LANGUAGES	10	33	10
MPhil	GU DEPT. OF GEOGRAPHY	11	114	11
MPhil	GU DEPT. OF INSTRUMENTATION & USIC	0	1	0
PhD or DPhil	GU DEPT. OF INSTRUMENTATION & USIC	4	18	4
PhD or DPhil	GU DEPT. OF LAW	7	139	7
MPhil	GU DEPT. OF LIBRARY & INFORMATION SCIENCE	5	69	5
MPhil	GU DEPT. OF MATHEMATICS	15	90	0
PhD or DPhil	GU DEPT. OF MODERN INDIAN LANGUAGES AND LITERARY STUDIES	10	171	10
MPhil	GU DEPT. OF MODERN INDIAN LANGUAGES AND LITERARY STUDIES	14	218	14
MPhil	GU DEPT. OF PSYCHOLOGY	0	18	0
PhD or DPhil	GU DEPT. OF SOCIOLOGY	3	63	3
MPhil	GU DEPT. OF SOCIOLOGY	0	7	0
MPhil	GU DEPT. OF	4	15	0

	STATISTICS			
MPhil	GU DEPT. OF ZOOLOGY	4	1	0
MPhil	LOKOPRIYA GOPINATH BORDOLOI REGIONAL INSTITUTE OF MENTAL HEALTH TEZPUR	14	265	0
PhD or DPhil	LOKOPRIYA GOPINATH BORDOLOI REGIONAL INSTITUTE OF MENTAL HEALTH TEZPUR	5	50	5
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## 2.2 – Catering to Student Diversity

### 2.2.1 – Student - Full time teacher ratio (current year data)

Year	Number of students enrolled in the institution (UG)	Number of students enrolled in the institution (PG)	Number of fulltime teachers available in the institution teaching only UG courses	Number of fulltime teachers available in the institution teaching only PG courses	Number of teachers teaching both UG and PG courses
2018	1079	3856	4	291	40

## 2.3 – Teaching - Learning Process

### 2.3.1 – Percentage of teachers using ICT for effective teaching with Learning Management Systems (LMS), E-learning resources etc. (current year data)

Number of Teachers on Roll	Number of teachers using ICT (LMS, e-Resources)	ICT Tools and resources available	Number of ICT enabled Classrooms	Number of smart classrooms	E-resources and techniques used
335	230	96	78	18	25

### 2.3.2 – Students mentoring system available in the institution? Give details. (maximum 500 words)

The Gauhati University has a student mentoring system which is operationalized in individual academic departments offering various programmes of study. The modalities of the system is worked out and implemented by the departments keeping in mind the available resources and needs in each department. The departments have adopted two main ways for grouping the students for mentoring – grouping students statistically on the basis of teacherstudent ratio, and grouping after identifying slow/weak learners. One department (English) even has a threetier mentoring system: Teacherstudent mentormentee system in each semester, JRF mentors for 3rd and 4th semester students, 3rd and 4th Semester students as mentors for the 1st and 2nd Semester students, which attempts to ensure the active involvement of the whole academic staff in the Department. The Departments use the mentoring system for providing various kinds of support to the students. Some objectives of the mentoring sessions include providing guidance to students on academic and personal matters fostering a close and constructive relationship between teachers and students providing career counselling offering remedial coaching providing guidance on projects (dissertation) encouraging maintenance of regular class attendance providing guidance on administrative process providing support in practicing good health, hygiene and cleanliness increasing awareness about gender sensitive practices monitoring progression in studies and giving suggestions guiding on academic resources providing guidance on participation in various cultural and literary and other activities in or outside the university helping students to adapt to new environment and academic

schedule, to understand the needs of the curriculum developing healthy interpersonal relationship. Depending on their priorities and needs, mentors in each department attempt to provide support to mentees on one or more areas listed above. Practices like peer mentoring, developmental mentoring, special support to female mentees available in certain departments also reflect the effort of the institution to be inclusive in its support. The departments have attempted to ensure regular contacts and easy access between the mentors and mentees. Mentoring sessions are conducted regularly and at both group and individual levels. For each batch of students, mentoring begins in the first semester itself and it is observed that mentoring helps relieve the anxiety of the freshly admitted students in the new environment. Though the frequency of the sessions varies from department to department, they are usually conducted on a regular basis. In order to facilitate easier and regular interaction, some departments (like Mass Communication, Computer Science, etc) have also taken help of media like whatsapp. In such departments, each mentor has created a Whatsapp group with their mentees. Such regular contacts and easy access are believed to motivate the mentees to work on their personal and academic growth.

To sum up, the system of mentoring in Gauhati University has been implemented by various academic departments to support students in various ways that has fostered a closer and constructive association between the teachers and students of the institution.

Number of students enrolled in the institution	Number of fulltime teachers	Mentor : Mentee Ratio
4935	335	1:15

## 2.4 – Teacher Profile and Quality

### 2.4.1 – Number of full time teachers appointed during the year

No. of sanctioned positions	No. of filled positions	Vacant positions	Positions filled during the current year	No. of faculty with Ph.D
456	335	121	8	280

### 2.4.2 – Honours and recognition received by teachers (received awards, recognition, fellowships at State, National, International level from Government, recognised bodies during the year )

Year of Award	Name of full time teachers receiving awards from state level, national level, international level	Designation	Name of the award, fellowship, received from Government or recognized bodies
2019	Prof. Upen Rabha Hakacham	Professor	Krishna Chandra Gandhi Memorial Award, 2019 (National)
2018	Prof. Upen Rabha Hakacham	Professor	Nrigosthiya Sadhak Samman, 2018 (National)
2018	Prof. Upen Rabha Hakacham	Professor	Aoikyo Samannay Award, 2018 (National)
2019	Prof. Amalendu Chakraborty	Professor	Appointed as ViceChancellor of Rabindranath Tagore University at Hojai
2018	Prof. M.C. Kalita	Professor	Fellow of Linnean Society, London
2019	Dr. Badan Barman	Assistant Professor	Special Felicitation from Ranganathan Society for Social Welfare and Library Development

2019	Prof. Birinchi Kumar Das	Professor	Appointed as ViceChancellor, Bhattadev University, Assam
2019	Prof. Dibakar Chandra Deka	Professor	Appointed as ViceChancellor, Madhabdev University, Assam
2019	Prof. Kandarpa Das	Professor	Elected as VicePresident, Indian Assaociation of Teachers of Russian Language and Literature
2019	Dr. Arabinda Ghosh	Assistant Professor	InSc Research Excellence Award 2019, for the outstanding contributions in science and research. Awarded by Institute of Scholars under ministry of MSME, Govt. of India, Karnataka
2019	Dr. Kandarpa Kumar Sarma	Professor	AICTEUKIERI Leadership Development Programme including visit to UK (201819)
2018	Prof. Malinee Goswami	Professor	Pandit Tirtha NathSarma aru Nirmala Devi Smarak Bota, 2018 (National)
2019	Prof. Amrit Pal Singh	Professor	Nominated as President, Rotary Club, Guwahati
2019	Professor Narendra Lahkar	Professor	Indian Library Leaders Veena Saraf Award
2019	Dr. Suparna Bhattacharjee	Assistant Professor	Young Faculty Research Fellowship (YFRF)
2019	Prof. Dipti Phukan Patgiri	Professor	SAAS Honorary Fellowship Award, 2019 (International, Received in March 2019)

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## 2.5 – Evaluation Process and Reforms

2.5.1 – Number of days from the date of semester-end/ year- end examination till the declaration of results during the year

Programme Name	Programme Code	Semester/ year	Last date of the last semester-end/ year-end examination	Date of declaration of results of semester-end/ year- end examination
MSc	BIT	PG 4th SEM	29/06/2019	15/10/2019
MCom	COM	PG 4th SEM	22/06/2019	15/10/2019
MA	ARB	PG 4th SEM	29/06/2019	04/10/2019
MA	GGY	PG 4th SEM	27/06/2019	03/10/2019
MSc	GLG	PG 4th SEM	22/06/2019	03/10/2019
MA	ENG	PG 4th SEM	18/06/2019	01/10/2019
MA	SKT	PG 4th SEM	28/06/2019	01/10/2019
MSc	CHEM	PG 4th SEM	01/07/2019	03/10/2019
MA	HIS	PG 4th SEM	21/06/2019	03/10/2019
MA	WOM	PG 2nd SEM	26/06/2019	20/09/2019
MA	ELT	PG 2nd SEM	17/06/2019	20/09/2019
MSc	PHY	PG 2nd SEM	12/06/2019	23/08/2019
MSc	MAC	PG 2nd SEM	26/06/2019	01/10/2019
MA	LIB	PG 2nd SEM	12/06/2019	16/09/2019
MA	MMC	PG 2nd SEM	26/06/2019	16/09/2019
MSc	WLS	PG 2nd SEM	17/06/2019	16/09/2019
MSc	MIC	PG 2nd SEM	17/06/2019	09/09/2019
MA	CIL	PG 2nd SEM	24/06/2019	09/09/2019
MSc	ECT	PG 2nd SEM	25/06/2019	30/09/2019
MA	BOD	PG 2nd SEM	24/06/2019	30/08/2019
MA	SKT	PG 2nd SEM	17/06/2019	27/09/2019
MCom	ICOM	PG 2nd SEM	25/06/2019	24/09/2019
MSc	ZOO	PG 2nd SEM	25/06/2019	30/09/2019
MCom	COM	PG 2nd SEM	18/06/2019	24/09/2019
MA	MBE	PG 2nd SEM	18/06/2019	27/09/2019
MA	ENG	PG 2nd SEM	19/06/2019	27/09/2019
MA	GGY	PG 2nd SEM	20/06/2019	30/09/2019
MSc	GLG	PG 2nd SEM	21/06/2019	30/09/2019
MA	EDU	PG 2nd SEM	26/06/2019	08/09/2019
MA	TMM	PG 2nd SEM	26/06/2019	29/08/2019
MA	STA	PG 2nd SEM	26/06/2019	08/09/2019
MSc	EVS	PG 2nd SEM	29/06/2019	29/08/2019
MA	PSY	PG 2nd SEM	24/06/2019	08/09/2019
MSc	CSC	PG 2nd SEM	24/06/2019	08/12/2019



MA	ANT	PG 2nd SEM	27/06/2019	08/08/2019
MA	HIN	PG 2nd SEM	29/06/2019	08/08/2019
MA	PER	PG 2nd SEM	26/06/2019	29/07/2019
MA	MES	PG 2nd SEM	19/06/2019	29/07/2019
MSc	IAP	PG 2nd SEM	26/06/2019	30/08/2019
MA	SOC	PG 2nd SEM	14/06/2019	30/08/2019
MA	POL	PG 2nd SEM	17/06/2019	08/08/2019
MSc	BIT	PG 2nd SEM	17/06/2019	02/11/2019
MSc	RAD	PG 2nd SEM	28/06/2019	02/11/2019
MSc	HST	PG 2nd SEM	25/06/2019	03/10/2019
MSc	BPH	PG 2nd SEM	25/06/2019	03/11/2019
BSc	AER	UG 2nd SEM	21/06/2019	13/08/2019
BA LLB	BALLB	UG 2nd SEM	10/07/2019	05/10/2019
BA	BMMC	UG 2nd SEM	03/07/2019	05/10/2019
BCA	BCA	UG 2nd SEM	03/07/2019	13/08/2019
BSc	BBIT	UG 2nd SEM	09/07/2019	05/10/2019
BSc	BID	UG 2nd SEM	03/07/2019	13/08/2019
BBA	BBA	UG 2nd SEM	28/06/2019	08/08/2019
MA	BEN	PG 3rd SEM	31/12/2018	13/03/2019
MA	ARB	PG 3rd SEM	31/12/2018	03/07/2019
MSc	MAT	PG 3rd SEM	26/12/2018	16/04/2019
MA	WOM	PG 3rd SEM	05/01/2019	16/04/2019
MA	ELT	PG 3rd SEM	29/12/2018	04/08/2019
MSc	PHY	PG 3rd SEM	26/12/2018	28/03/2019
MA	LIB	PG 3rd SEM	26/12/2018	16/05/2019
MA	MMC	PG 3rd SEM	28/12/2018	14/03/2019
MSc	WLS	PG 3rd SEM	26/12/2018	14/03/2019
MSc	MIC	PG 3rd SEM	26/12/2018	12/04/2019
MA	CIL	PG 3rd SEM	29/12/2018	04/04/2019
MSc	ECT	PG 3rd SEM	05/01/2019	04/04/2019
MSc	MAC	PG 3rd SEM	26/12/2018	12/04/2019
MA	BEN	PG 1st SEM	19/12/2018	28/02/2019
MA	ARB	PG 1st SEM	29/12/2018	23/04/2019
MSc	MAT	PG 1st SEM	07/01/2019	25/04/2019
MA	WOM	PG 1st SEM	07/01/2019	04/12/2019
MA	ELT	PG 1st SEM	18/12/2018	04/04/2019
MSc	PHY	PG 1st SEM	28/12/2018	28/03/2019
MSc	MAC	PG 1st SEM	24/01/2019	14/03/2019
MA	LIB	PG 1st SEM	07/01/2019	05/10/2019
MA	MMC	PG 1st SEM	19/12/2018	04/08/2019

MSc	WLS	PG 1st SEM	24/01/2019	04/12/2019
MSc	MIC	PG 1st SEM	26/12/2018	13/06/2019
MA	CIL	PG 1st SEM	31/12/2018	04/04/2019
MSc	ECT	PG 1st SEM	03/01/2019	14/03/2019
MA	BOD	PG 1st SEM	26/12/2018	03/05/2019
MA	SKT	PG 1st SEM	26/12/2018	26/02/2019
MSc	ZOO	PG 1st SEM	21/12/2018	13/06/2019
MCom	COM	PG 1st SEM	03/01/2019	07/03/2019
MA	BEN	PG 2nd SEM	17/06/2019	31/08/2019
MA	ARB	PG 2nd SEM	27/06/2019	31/08/2019
MSc	MAT	PG 2nd SEM	26/06/2019	20/09/2019
MSc	IAP	PG 1st SEM	31/12/2018	27/02/2019
MA	BOD	PG 3rd SEM	26/12/2018	03/06/2019
MA	SKT	PG 3rd SEM	26/12/2018	27/03/2019
MCom	ICOM	PG 3rd SEM	31/12/2018	19/04/2019
MSc	ZOO	PG 3rd SEM	24/12/2018	24/05/2019
MCom	COM	PG 3rd SEM	31/12/2018	19/04/2019
MA	MBE	PG 3rd SEM	07/01/2019	12/03/2019
MA	ENG	PG 3rd SEM	26/12/2018	12/03/2019
MA	GGY	PG 3rd SEM	24/01/2019	27/05/2019
MSc	GLG	PG 3rd SEM	21/12/2018	09/05/2019
MA	TMM	PG 3rd SEM	21/12/2018	09/05/2019
MSc	STA	PG 3rd SEM	28/12/2018	29/03/2019
MA	EDU	PG 3rd SEM	20/12/2018	30/05/2019
MSc	EVS	PG 3rd SEM	05/01/2019	14/03/2019
MA	PSY	PG 3rd SEM	31/12/2018	13/03/2019
MSc	CSC	PG 3rd SEM	29/12/2018	28/02/2019
MSc	MIT	PG 3rd SEM	31/12/2018	04/02/2019
MA	ANT	PG 3rd SEM	31/12/2018	29/03/2019
MA	HIN	PG 3rd SEM	29/12/2018	27/05/2019
MA	PER	PG 3rd SEM	29/12/2018	03/05/2019
MA	MES	PG 3rd SEM	24/12/2018	24/02/2019
MSc	IAP	PG 3rd SEM	24/12/2018	28/02/2019
MA	SOC	PG 3rd SEM	24/12/2018	12/04/2019
MA	POL	PG 3rd SEM	02/01/2019	19/02/2019
MSc	BIT	PG 3rd SEM	24/12/2018	09/05/2019
MSc	RAD	PG 3rd SEM	02/01/2019	15/04/2019
MSc	HST	PG 3rd SEM	02/01/2019	18/04/2019
MA	TMM	PG 3rd SEM	02/01/2019	21/05/2019
MBA	MBA	PG 3rd SEM	08/01/2019	26/02/2019

MSc	BOT	PG 3rd SEM	02/01/2019	15/04/2019
MA	ASM	PG 3rd SEM	31/12/2018	23/05/2019
MSc	CHEM	PG 3rd SEM	04/01/2019	10/05/2019
MA	PHI	PG 3rd SEM	29/12/2018	14/05/2019
MSc	BIT	PG 3rd SEM	04/01/2019	24/02/2019
MSc	EVM	PG 3rd SEM	02/02/2019	14/05/2019
MA	HIS	PG 3rd SEM	02/02/2019	23/05/2019
MA	ECO	PG 3rd SEM	24/12/2018	28/05/2019
BSc	BMIC	UG 3rd SEM	21/01/2019	13/06/2019
BSc	AER	UG 3rd SEM	21/01/2019	18/04/2019
BSc	BSIT	UG 3rd SEM	21/01/2019	07/04/2019
BSc	BBIT	UG 4th SEM	03/07/2019	22/10/2019
MA	LIB	PG 4th SEM	27/06/2019	22/10/2019
MA	MBE	PG 1st SEM	03/01/2019	22/05/2019
MA	ENG	PG 1st SEM	26/12/2018	14/03/2019
MA	GGY	PG 1st SEM	21/12/2018	27/05/2019
MSc	GLG	PG 1st SEM	21/12/2018	17/04/2019
MA	TMM	PG 1st SEM	21/12/2018	08/12/2019
MSc	STA	PG 1st SEM	04/01/2019	29/03/2019
MA	EDU	PG 1st SEM	29/12/2018	30/05/2019
MA	PSY	PG 1st SEM	04/01/2019	27/05/2019
MSc	EVS	PG 1st SEM	04/01/2019	18/04/2019
MSc	CSC	PG 1st SEM	21/12/2018	28/02/2019
Mtech	MIT	PG 1st SEM	26/12/2018	28/02/2019
MA	ANT	PG 1st SEM	29/12/2018	03/06/2019
MA	HIN	PG 1st SEM	24/12/2018	28/05/2019
MA	PER	PG 1st SEM	21/12/2018	03/05/2019
MA	MES	PG 1st SEM	24/12/2018	26/02/2019
MA	SOC	PG 1st SEM	07/01/2019	26/02/2019
MA	POL	PG 1st SEM	19/12/2018	22/02/2019
MSc	BIT	PG 1st SEM	24/12/2018	22/05/2019
MSc	RAD	PG 1st SEM	31/12/2018	15/04/2019
MSc	HST	PG 1st SEM	07/01/2019	18/04/2019
MSc	BPH	PG 1st SEM	24/12/2018	23/10/2019
MA	TMM	PG 1st SEM	19/12/2018	21/05/2019
MBA	MBA	PG 1st SEM	29/12/2018	26/02/2019
MSc	BOT	PG 1st SEM	31/12/2018	15/04/2019
MA	ASM	PG 1st SEM	29/12/2018	28/05/2019
MSc	CHEM	PG 1st SEM	31/12/2018	24/05/2019
MA	PHI	PG 1st SEM	29/12/2018	06/05/2019

BSc	AER	UG 1st SEM	28/01/2019	13/06/2019
MA	BMMC	UG 1st SEM	10/01/2019	05/03/2019
BCA	BCA	UG 1st SEM	10/01/2019	31/05/2019
BSc	BSIT	UG 1st SEM	28/01/2019	07/04/2019
BPED	BPED	UG 1st SEM	28/01/2019	23/02/2019
PG Diploma	DAC	PG 1st SEM	10/01/2019	23/04/2019
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2.5.2 – Average percentage of Student complaints/grievances about evaluation against total number appeared in the examinations during the year

Number of complaints or grievances about evaluation	Total number of students appeared in the examination	Percentage
0	0	0

## 2.6 – Student Performance and Learning Outcomes

2.6.1 – Program outcomes, program specific outcomes and course outcomes for all programs offered by the institution are stated and displayed in website of the institution (to provide the weblink)

<https://sites.google.com/a/gauhati.ac.in/syllabus-pg-cbcs/postgraduate-cbcs>

2.6.2 – Pass percentage of students

Programme Code	Programme Name	Programme Specialization	Number of students appeared in the final year examination	Number of students passed in final year examination	Pass Percentage
MIC	MSc	MSc in MICROBIOLOGY 2nd sem	8	8	100
CIL	MA	MA in MIL & LITERARY STUDIES 2nd sem	20	18	90
ECT	MSc	MSc in ELECTRONICS & COMMUNICATION TECHNOLOGY 2nd sem	12	10	83.33
BOD	MA	MA in BODO 2nd sem	68	66	97.06
SKT	MA	MA in SANSKRIT 2nd sem	58	41	70.68
ICOM	MCom	Masters in COMMERCE (INTEGRATED MCOM) 2nd sem	57	55	96.49
ZOO	MSc	MSc in ZOOLOGY 2nd sem	149	97	65.1

COM	MCom	Masters in COMMERCE 2nd sem	527	345	67.17
MBE	MA	Masters in BUSINESS ECONOMICS 2nd sem	28	7	25
ENG	MA	MA in ENGLISH 2nd sem	176	128	72.73
GGY	MA	MA in GEOGRAPHY 2nd sem	144	108	75
GLG	MSc	MSc in GEOLOGICAL SCIENCE 2nd sem	38	23	60.53
EDU	MA	MA in EDUCATION 2nd sem	188	151	80.32
TMM	MA	MA in TOURISM MANAGEMENT 2nd sem	56	42	75
STA	MSc	MSc in STATISTICS 2nd sem	28	20	71.43
EDU	MA	MA in EDUCATION 2nd sem	188	151	80.32
EVS	MSc	MSc in ENVIR ONMENTAL SCIENCE 2nd sem	15	12	80
PSY	MA	MA in PSYCHOLOGY 2nd sem	26	20	76.92
CSC	MSc	Msc in COMPUTER SCIENCE 2nd sem	11	9	81.82
MSIT	MSc	MSc in IT	15	11	73.33
ANT	MA	Msc in ANTHROPOLOGY 2nd sem	27	21	77.78
HIN	MA	MA in HINDI 2nd sem	69	64	92.75
PER	MA	MA in PERSIAN 2nd sem	4	4	100

MES	MA	MA in EUROPEAN STUDIES 2nd sem	16	11	68.75
IAP	MSc	MSc in INSTRUMENTATION AND APPLIED PHYSICS 2nd sem	14	13	92.86
SOC	MA	MA in SOCIOLOGY 2nd sem	44	31	70.45
POL	MA	MA in POLITICAL SCIENCE 2nd sem	91	79	86.81
BIT	MSc	MSc in BIOTECHNOLOGY 2nd sem	30	23	76.67
RAD	MSc	MSc in RADIOLOGICAL PHYSICS 2nd sem	9	9	100
HST	MSc	MSc in HERBAL SCIENCE & TECHNOLOGY 2nd sem	24	16	66.67
BPH	MSc	MSc in BIOPHYSICS 2nd sem	12	11	91.67
BEN	MA	MA in BENGALI 3rd Sem	42	35	83.33
ARB	MA	MA in ARABIC 3rd sem	79	77	97.47
MAT	MSc	MSc in MATHEMATICS 3rd sem	155	129	83.23
ELT	MA	MA in ELT 3rd sem	18	17	94.44
PHY	MSc	MSc in PHYSICS 3rd sem	47	42	89.36
MAC	MSc	MSc MICROELECTRONICS & ADVANCED COMMUNICATION 3rd sem	8	7	87.5
LLB	MA	MA in Mlib Sc 3rd sem	28	22	78.57

MMC	MA	MA in MASS C OMMUNICATION 3rd sem	30	25	83.33
MIC	MSc	Msc in MICROBIOLOGY 3rd sem	9	9	100
CIL	MA	MA in MIL & LITERARY STUDIES 3rd sem	19	19	100
BOD	MA	MA in BODO 3rd sem	91	90	98.9
SKT	MA	MA in SANSKRIT 3rd sem	62	27	43.55
ICOM	MCom	Masters in C OMMERCE (INTE GRATED MCOM) 3rd sem	53	49	92.45
ZOO	MSc	Msc in ZOOLOGY 3rd sem	140	132	94.29
COM	MCom	Masters in COMMERCE 3rd sem	537	452	84.17
ENG	MA	MA in ENGLISH 3rd sem	156	110	70.51
GGY	MA	MA in GEOGRAPHY 3rd sem	139	107	76.98
GLG	MSc	MSc in GEOLOGICAL SCIENCE 3rd sem	35	12	34.29
STA	MSc	Msc in STATISTICS 3rd sem	26	20	76.92
EDU	MA	MA in EDUCATION 3rd sem	159	151	94.97
EVS	MSc	MSc in ENVIR ONMENTAL SCIENCE 3rd sem	13	12	92.31
PSY	MA	MA in PSYCHOLOGY 3rd sem	27	17	62.96
PER	MA	MA in PERSIAN 3rd sem	6	6	100

MES	MA	MA in EUROPEAN STUDIES 3rd sem	13	11	84.62
IAP	MSc	MSc in INSTRUMENTATION AND APPLIED PHYSICS 3rd sem	19	18	94.74
SOC	MA	MA in SOCIOLOGY 3rd sem	45	44	97.78
POL	MA	MA in POLITICAL SCIENCE 3rd sem	89	84	94.38
BIT	MSc	MSc in BIOTECHNOLOGY 3rd sem	94	46	48.94
RAD	MSc	Msc in RADIOLOGICAL PHYSICS 3rd sem	9	9	100
HST	MSc	MSc in HERBAL SCIENCE & TECHNOLOGY 3rd sem	16	16	100
TMM	MA	Masters in TOURISM MANAGEMENT 3rd sem	56	43	94.64
MBA	MBA	Masters in BUSINESS ADMINISTRATION 3rd sem	100	49	49
BOT	MSc	MSc in BOTANY 3rd sem	109	99	90.83
ASM	MA	MA in ASSAMESE 3rd sem	689	640	92.89
CHEM	MSc	MSc in CHEMISTRY 3rd sem	122	118	96.72
PHI	MA	MA in PHILOSOPHY 3rd sem	66	32	48.48
LING	MA	MA in LINGUISTICS 3rd sem	8	8	100



EVM	MSc	MSc in ENVIRONMENTAL MANAGEMENT 3rd sem	18	18	100
HIS	MA	MA in HISTORY 3rd sem	105	66	62.86
ECO	MA	MA in ECONOMICS 3rd sem	119	79	66.39
LIB	MA	MA in MLIBSc 4th sem	28	22	78.57
BIT	MSc	MSc in Bio Technology 4th sem	29	22	75.86
MCOM	MCom	Masters in Commerce 4th sem	527	412	78.17
ARB	MA	MA in Arabic 4th sem	80	75	93.75
GGY	MA	MA in Geography 4th sem	138	120	86.95
GLG	MSc	MSc in Geological Science 4th sem	35	19	54.28
ENG	MA	MA in English 4th sem	153	66	43.13
SKT	MA	MA in Sanskrit 4th sem	61	22	36.06
CHEM	MSc	MSc in Chemistry 4th sem	119	91	76.47
HIS	MA	MA in History 4th sem	101	38	37.62
ZOO	MSc	Msc in Zoology 4th sem	140	119	85
BOT	MSc	MSc in Botany 4th sem	109	93	85.32
ECT	MSc	Msc in Electronics & Communication Technology 4th sem	18	18	100

MIC	MSc	MSc in Microbiology 4th sem	9	9	100
MAT	MSc	MSc in Mathematics 4th sem	154	115	74.67
PHY	MSc	MSc in Physics 4th sem	45	40	88.88
ELT	MA	MA in ELT/LELT 4th sem	17	14	82.35
MAC	MSc	Msc in Micro electronics & Advanced Communication 4th sem	19	6	31.57
CIL	MA	MA in CIL 4th sem	19	19	100
BEN	MA	MA in Bengali 4th sem	41	33	80.48
ANT	MA	MSc in Anthropology 4th sem	25	24	96
EVS	MSc	MSc in Enviromental Science 4th sem	13	12	92.3
HIN	MA	MA in Hindi 4th sem	70	65	92.85
CSC	MSc	MSc in Computer Science 4th sem	16	14	87.5
MSIT	MSc	MSc in IT 4th sem	11	5	45.45
MES	MA	MA in European Studies 4th sem	13	10	76.92
RAD	MSc	MSc in Radiological Physics 4th sem	9	9	100
PSY	MA	MA in Psychology 4th sem	27	16	59.25
STA	MSc	MSc in Statistics 4th sem	26	21	80.77

PER	MA	MA in Persian 4th sem	6	6	100
CSC	MSc	MSc in COMPUTER SCIENCE 3rd sem	15	14	93.33
MSIT	MSc	MSc in IT 3rd sem	10	6	60
ANT	MA	MSc in ANTHROPOLOGY 3rd sem	25	23	92
HIN	MA	MA in HINDI 3rd sem	70	69	98.57
IAP	MSc	MSc in Instrumentation and Applied physics 4th sem	19	18	94.74
SOC	MA	MA in Sociology 4th sem	44	43	97.73
POL	MA	MA in Political Science 4th sem	89	78	87.64
MBA	MBA	Masters in Business Administration 4th sem	12	10	83.33
TMM	MA	MA in TOURISM MANAGEMENT 1st sem	52	36	69.23
WLS	MSc	MSc in Wildlife Science 4th sem	19	19	100
BEN	MA	MA in BENGALI 1st sem	45	35	77.78
ARB	MA	MA in ARABIC 1st sem	83	64	77.11
MAT	MSc	MSc in MATHEMATICS 1st sem	176	123	69.89
WOM	MA	MA in WOMEN'S STUDIES 1st sem	29	21	72.41
ELT	MA	MA in ELT	21	20	95.24

		1st sem			
PHY	MSc	MSc in PHYSICS 1st sem	50	44	88
MAC	MSc	MSc in MICRO ELECTRONICS & ADVANCED COMMUNICATION 1st sem	9	5	55.56
LLB	MA	MA in Mlib Sc 1st sem	30	15	50
MMC	MA	MA in MASS COMMUNICATION 1st sem	35	28	80
WLS	MSc	MSc in WILDLIFE SCIENCE 1st sem	20	20	100
MIB	MSc	MSc in MICROBIOLOGY 1st sem	22	15	68.18
CIL	MA	MA in MIL & LITERARY STUDIES 1st sem	21	20	95.24
ECT	Mtech	MTech in ELECTRONICS & COMMUNICATION TECHNOLOGY 1st sem	20	14	70
BOD	MA	MA in BODO 1st sem	69	63	91.3
SKT	MA	MA in SANSKRIT 1st sem	54	26	48.15
ZOO	MSc	MSc in ZOOLOGY 1st sem	155	64	41.29
COM	MCom	Masters in COMMERCE 1st sem	563	340	60.39
MBE	MA	Masters in BUSINESS ECONOMICS 1st sem	30	6	20
ENG	MA	MA in ENGLISH 1st sem	181	107	59.12
GGY	MA	MA in GEOGRAPHY	147	79	53.74

		1st sem			
GLG	MSc	MSc in GEOLOGICAL SCIENCE 1st sem	40	24	60
TMM	MA	Masters in TOURISM MANAGEMENT 1st sem	0	0	00
STA	MSc	MSc in STATISTICS 1st sem	30	8	26.67
EDU	MA	MA in EDUCATION 1st sem	190	131	68.95
EVS	MSc	MSc in ENVIRONMENTAL SCIENCE 1st sem	14	13	92.86
PSY	MA	MA in PSYCHOLOGY 1st sem	26	21	80.77
CSC	MSc	MSc in COMPUTER SCIENCE 1st sem	14	10	71.43
MSIT	MSc	Msc in IT 1st sem	16	10	62.5
ANT	MA	MA in ANTHROPOLOGY 1st sem	27	27	100
HIN	MA	MA in HINDI 1st sem	70	67	95.71
PER	MA	MA in PERSIAN 1st sem	7	4	57.14
MES	MA	MA in EUROPEAN STUDIES 1st sem	21	16	76.19
IAP	MSc	MSc in INSTRUMENTATION AND APPLIED PHYSICS 1st sem	17	8	47.06
SOC	MA	MA in SOCIOLOGY 1st sem	44	34	77.27
POL	MA	MA in POLITICAL SCIENCE 1st	94	74	78.72

		sem			
BIT	MSc	MSc in BIOTECHNOLOGY 1st sem	30	15	50
RAD	MSc	MSc in RADIOLOGICAL PHYSICS 1st sem	11	11	100
HST	MSc	MSc in HERBAL SCIENCE & TECHNOLOGY 1st sem	30	29	96.67
BPH	MSc	MSc in BIOPHYSICS 1st sem	7	3	42.86
MBA	MBA	Masters in BUSINESS ADMINISTRATION 1st sem	118	63	53.39
BOT	MSc	MSc in BOTANY 1st sem	115	96	83.48
ASM	MA	MA in ASSAMESE 1st sem	794	472	59.45
CHEM	MSc	MSc in CHEMISTRY 1st sem	123	89	72.36
PHI	MA	MA in PHILOSOPHY 1st sem	89	31	34.83
BEN	MA	MA in BENGALI 2nd sem	44	38	86.36
ARB	MA	MA in ARABIC 2nd Sem	79	62	78.48
MAT	MSc	MSc in MATHEMATICS 2nd sem	168	116	70.73
WOM	MA	MA in WOMEN'S STUDIES 2nd sem	30	23	76.67
ELT	MA	MA in ELT 2nd sem	18	4	22.22
PHY	MSc	MSc in PHYSICS 2nd Sem	49	43	87.76
MAC	MSc	MSc in MICRO ELECTRONICS	5	5	100

		& ADVANCED COMMUNICATION 2nd sem			
LIB	MA	MA in Mlib Sc 2nd sem	28	20	71.43
MMC	MA	MA in MASS COMMUNICATION 2nd sem	35	24	68.57
WLS	MSc	MSc in WILDLIFE SCIENCE 2nd sem	20	19	95
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## 2.7 – Student Satisfaction Survey

2.7.1 – Student Satisfaction Survey (SSS) on overall institutional performance (Institution may design the questionnaire) (results and details be provided as weblink)

<http://web.gauhati.ac.in/iqac/feedback>

## CRITERION III – RESEARCH, INNOVATIONS AND EXTENSION

### 3.1 – Promotion of Research and Facilities

3.1.1 – Teachers awarded National/International fellowship for advanced studies/ research during the year

Type	Name of the teacher awarded the fellowship	Name of the award	Date of award	Awarding agency
National	Dr. Niraj Agarwala	Focus Area Science Technology Summer Fellowship (FASTSF) at IISER, Pune	04/03/2019	Three National Science Academies of India i.e. IAScINSANASI
National	Dr. Niraj Agarwala	INSA visiting Scientist at Delhi University	18/02/2019	INSA (Indian National Science Academy), New Delhi, India
International	Dr. Ankuran Dutta	Study of United States Institute	25/06/2018	Dept of State, USA
International	Dr. Khamseng Baruah	ELTRMS	05/03/2019	British Council
National	Dr. Suparna Bhattacharjee	Young Faculty Research Fellowship (YFRF)	15/10/2018	Ministry of Electronics and Information Technology (MeitY), Government of India
National	Dhruva Kumar Jha	Fellow of Indian Phytopathological Society	24/09/2018	Indian Phytopathological Society

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3.1.2 – Number of JRFs, SRFs, Post Doctoral Fellows, Research Associates and other fellows in the Institution enrolled during the year

Name of Research fellowship	Duration of the fellowship	Funding Agency
Ph.D. programme under MoU	5	Geological Survey of India Training Institute, Hyderabad
JRF	3	DAEBRNS
ICSSR Doctoral Fellowship	5	ICSSR
JRF	3	NMHS, MOEF
Young Professional III	2	ICARNBFGR, Lucknow
JRF	2	MHRDTEQIP III
JRF/SRF	5	UGC
JRF/SRF	5	CSIR
DSTSERB	3	DST
JRF	3	DBT
Visvesvaraya PhD Scheme for Electronics IT	1	MEITY
National Post Doctorial Fellowship	2	DST
Woman Scientist	3	DST
JRF	3	ISRO Respond

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3.2 – Resource Mobilization for Research

3.2.1 – Research funds sanctioned and received from various agencies, industry and other organisations

Nature of the Project	Duration	Name of the funding agency	Total grant sanctioned	Amount received during the year
Major Projects	3	MOEFCC	22.73	10.71
Major Projects	3	MOES	8.45	6.08
Major Projects	3	ISRO	34.4	20.4
Major Projects	3	Oil India Ltd.	79.48	14.5
Major Projects	3	AICTE	5.45	5.35
Major Projects	3	Northeast Network and WSRC	2.5	2
Minor Projects	1	Fifteenth Finance Commission	4.25	4.25
Minor Projects	1	British Council	1.47	1.47
Minor Projects	3	ASTEC, Govt. of Assam	13.42	9.85
Minor Projects	1	DBT, GOI	32	24



Minor Projects	3	GU	1.5	1
Projects sponsored by the University	3	Gauhati University	12.5	6.96
Major Projects	3	UGC	22.68	15.6
Major Projects	3	DBT	887.9	521.35
Major Projects	3	DST	259.11	96.62
Major Projects	2	ICSSR	8	5.6
Major Projects	3	ASTEC	8.3	0
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### 3.3 – Innovation Ecosystem

3.3.1 – Workshops/Seminars Conducted on Intellectual Property Rights (IPR) and Industry-Academia Innovative practices during the year

Title of workshop/seminar	Name of the Dept.	Date
Industrial Conclave Udyogam	Electronics and Communication Engineering	23/02/2019
Workshop on Emerging Technologies, Innovation, Incubation and Entrepreneurship	Electronics and Communication Engineering	25/02/2019
Specialized Training on Robotics organized by Robotics Club, ECE, GUIST in association with M/s Technomate Technologies	Electronics and Communication Engineering	01/03/2019
Industry Academia Conclave	Information Technology	23/02/2019
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3.3.2 – Awards for Innovation won by Institution/Teachers/Research scholars/Students during the year

Title of the innovation	Name of Awardee	Awarding Agency	Date of award	Category
<b>No Data Entered/Not Applicable !!!</b>				
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3.3.3 – No. of Incubation centre created, start-ups incubated on campus during the year

Incubation Center	Name	Sponsored By	Name of the Start-up	Nature of Start-up	Date of Commencement
GUTIC	Gauhati University Technology Incubation Centre	Gauhati University	M/s Brahmaputra Technologies	Information, Communication and Electronics Technologies (ICET)	16/08/2018
GUTIC	Gauhati University Technology Incubation Centre	Gauhati University	M/s Space and Defense Laboratories	Information, Communication and Electronics Technologies (ICET)	21/09/2018

GUTIC	Gauhati University Technology Incubation Centre	Gauhati University	M/s Syskriation	Information, Communication and Electronics Technologies (ICET)	03/10/2018
GUTIC	Gauhati University Technology Incubation Centre	Gauhati University	M/s Olatus Technologies	Information, Communication and Electronics Technologies (ICET)	26/12/2018
GUTIC	Gauhati University Technology Incubation Centre	Gauhati University	M/s NBK Enterprises	Lifestyle and health care	15/05/2019
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### 3.4 – Research Publications and Awards

#### 3.4.1 – Ph. Ds awarded during the year

Name of the Department	Number of PhD's Awarded
Sociology	1
Bodo	2
Education	22
Persian	2
Folklore Research	18
Arabic	9
Psychology	2
Hindi	5
Sanskrit	11
GUINEIS	1
Botany	11
Computer Application	1
Chemistry	24
Environmental Science	3
Mathematics	11
Assamese	39
Bengali	7
Women Studies	7
Anthropology	12
Communication Journalism	9
Economics	16
English	13
History	5

Library Information Science	7
MIL LS	25
Philosophy	7
Political Science	15

3.4.2 – Research Publications in the Journals notified on UGC website during the year

Type	Department	Number of Publication	Average Impact Factor (if any)
National	Political Science	9	0
International	Political Science	2	0
National	Psychology	2	0
International	Psychology	8	0
National	Sanskrit	21	0
National	Statistics	2	0
National	Anthropology	3	0
International	Applied Sciences	1	0
International	Applied Sciences	25	0
National	Assamese	2	0
International	Bioengineering	11	0
National	Biotechnology	5	0
International	Biotechnology	19	2
National	Bodo	5	6.5
National	Botany	11	0
International	Chemistry	45	4
National	Commerce	5	0
National	Communication and Journalism	3	0
International	Computer Science	1	0
International	Disabilities Studies	3	0
National	MIL_LS	2	0
National	Physics	1	2
International	Physics	25	3.1
National	Political Science	9	0
International	Political Science	2	0
National	Psychology	2	0
International	Psychology	8	0
National	Sanskrit	21	0
National	Statistics	2	0
International	Statistics	7	0
National	Zoology	1	0
International	Zoology	4	1.05

National	ECT	1	0
International	ECT	29	2.34
National	Law	6	0
International	Law	2	0
National	Library and Information Science	2	0
National	ECE	3	0
International	ECE	6	3.4
National	Economics	5	0
International	Economics	5	0
International	Library and Information Science	3	0
National	Linguistics	1	0
International	Linguistics	2	0
International	Mathematics	45	1.6
National	MIL_LS	2	0
International	Persian	3	0
National	Physics	1	2
International	Physics	25	3.1
International	English	1	0
National	Foreign Language	3	0
International	Geography	3	3.64
International	Geological Sciences	8	2.07
International	Hindi	4	0
National	History	4	0
International	Information Technology	8	0
International	Instrumentation and USIC	9	0
National	Law	6	0
International	Law	2	0
National	Library and Information Science	2	0
International	Library and Information Science	3	0
National	Linguistics	1	0
International	Linguistics	2	0

3.4.3 – Books and Chapters in edited Volumes / Books published, and papers in National/International Conference Proceedings per Teacher during the year

Department	Number of Publication
Business Administration	2
Anthropology	7

Economics	6
Electronics and Communication Engineering	31
Library and Information Science	16
English	10
Linguistics	2
APPLIED SCIENCES	8
COMPUTER SCIENCE	6
BIOENGINEERING AND TECHNOLOGY	10
Persian	3
Botany	10
ASSAMESE	20
Information Technology	5
Bengali	3
Arabic	10
Communication Journalism	5
Zoology	14
Geography	4
Electronics and Communication Technology	29
Sanskrit	25
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#### 3.4.4 – Patents published/awarded during the year

Patent Details	Patent status	Patent Number	Date of Award
Substrate based bioformulation for control of bacterial wilt of brinjal and its preparation thereof	Published	303359	22/11/2018
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#### 3.4.5 – Bibliometrics of the publications during the last academic year based on average citation index in Scopus/ Web of Science or PubMed/ Indian Citation Index

Title of the Paper	Name of Author	Title of journal	Year of publication	Citation Index	Institutional affiliation as mentioned in the publication	Number of citations excluding self citation
Quantum Mechanical Study on the ?? Stacking Interaction and Change in Conformation of	Bipul Bezbaruah	Computational Chemistry	2018	0	Gauhati University	0

Phenolic Systems with Different Intermolecular Rotations						
Theoretical Investigations on the ?? Stacking Interaction in PhenolWater Complexes	Bipul Bezbaruah	Computational Chemistry	2018	0	Gauhati University	0
Expression Analysis of Serum microRNA34a and microRNA183 in Hepatocellular Carcinoma	Debabrata Baishya	Asian Pacific Journal of Cancer Prevention	2018	0	Gauhati University	1
Thermozymes: adaptive strategies and tools for their biotechnological applications	Debabrata Baishya	Bioresource Technology	2019	0	Gauhati University	4
Delineating thermophilic xylanase from Bacillus licheniformis DM5 towards its potential application in xyloglucan production	Debabrata Baishya	World Journal of Microbiology and Biotechnology	2019	0	Gauhati University	1
Silver nanoparticle modified Pt electrode as voltamm	Sofia Banu	Indian Journal Chemistry	2018	0	Gauhati University	0

etric and electrochemical impedance sensor for hydrogen peroxide in live biological cells						
Comparative analysis of different dietary antioxidants on oxidative stress pathway genes in L6 myotubes under oxidative stress.	Sofia Banu	Cytotechnology	2018	0	Gauhati University	0
Effects of Resveratrol and Mangiferin on PPAR $\alpha$ and FALDH gene expressions in adipose tissue of streptozotocin-induced diabetic rats.	Sofia Banu	Journal of Dietary Supplements	2018	0	Gauhati University	0
Study of polyembryony and development of molecular markers for identification of zygotic and nucellar seedlings in Khasi mandarin (Citrus	Sofia Banu	International Journal of Environment Agriculture and Biotechnology	2018	0	Gauhati University	0

reticulata Blanco).						
Combinatorial therapeutic approach for treatment of oral squamous cell carcinoma	Subhash Medhi	Artificial Cells, Nanomedicine and Biotechnology	2019	0	Gauhati University	0
Topical delivery of methanolic root extract of Annona reticulata against skin cancer	Subhash Medhi	South African Journal of Botany	2019	0	Gauhati University	0
Role of VDR, GC, and CYP2R1 Polymorphisms in the Development of Hepatocellular Carcinoma in Hepatitis C Virus Infected Patients	Subhash Medhi	Genetic Testing and Molecular Biomarkers	2019	0	Gauhati University	1
Detection of HBV genotype C in hepatocellular carcinoma patients from North East India: A brief report	Subhash Medhi	Asian Pacific Journal of Cancer Prevention	2018	0	Gauhati University	0
Polymorphism of HLA class I and class II alleles in influenza	Subhash Medhi	Journal of Medical Virology	2018	0	Gauhati University	1



A(H1N1)pdm09 virus infected population of Assam, Northeast India						
Association of tolllike receptor 9 (TLR9) alterations in malaria susceptibility and severity: Atribal population based study in the malaria endemic state of Assam, India	Subhash Medhi	Journal of Krishna Institute of Medical Sciences University	2018	0	Gauhati University	0
Association of Tolllike receptor 4 with hepatitis A virus infection in Assam	Subhash Medhi	Acta Virologica	2018	0	Gauhati University	1
Dimeric Copper(II) Tetracarboxylates as Catalysts in the Selective Epoxidation of Styrene	Sanfoary Baruah	Polyhedron	2018	0	Gauhati University	0
Mechanoluminescent Behavior of a PyridineContaining Anthracene Derivative : Role of Aromatic	Rupam Jyoti Sarma	Crystal Growth and Design	2018	0	Gauhati University	1

Stacking Interactions						
Bisnorgammacerane traces predatory pressure and the persistent rise of algal ecosystems after Snowball Earth	Nilamoni Nath	Nature Communications	2018	0	Gauhati University	1
Long Afterglow Room? Temperature Phosphorescence from Nanoparticles: A Urea Pyrolysis Product	Sanit Kumar Gogoi	Chemistry- An Asian Journal	2019	0	Gauhati University	0
Cooperative Binding of Fluoride Anions to a Flexible CystineBased Receptor Containing Two 3,5-Dinitrobenzamide Motifs	Rupam Jyoti Sarma	Chemistry Select	2019	0	Gauhati University	0
Synthesis of Cu-Cr diketo, suitable, eutectic composite complex, rod crystals from LDH as suitable MOCVD precursor of CuCr <sub>2</sub> O <sub>4</sub> catalysts upon	Rupam Jyoti Sarma	Materials Today Chemistry	2018	0	Gauhati University	0

ceramic preforms for N <sub>2</sub> O decomposition						
Insight into old and new pure shift nuclear magnetic resonance methods for enanti discrimination	Nilamoni Nath	Magnetic Resonance in Chemistry	2018	0	Gauhati University	2
Hypalocrinins, TaurineConjugated Anthraquinone and Biaryl Pigments from the Deep Sea Crinoid Hypalocrinus naresianus	Nilamoni Nath	Journal of Natural Products	2018	0	Gauhati University	0
The Nature and Applications of ?? Interactions A Perspective	Ranjit Thakuria	Crystal Growth and Design	2019	0	Gauhati University	2
Effect of Solvent Polarity in Mechanochemistry: Preparation of Conglomerate vs. Racemate	Ranjit Thakuria	Chemical Communications	2019	0	Gauhati University	0
Stimuliresponsive aggregation induced fluorescence in a series of biphenyl based Knoevenagel products: Effect of	Ranjit Thakuria	ActaCryst B	2019	0	Gauhati University	0

substituent active methylene group on ?? interaction						
Cocrystal dissociation under controlled humidity: A case study of caffeineglutaric acid cocrystal polymorphs	Ranjit Thakuria	Organic Process Research Development	2019	0	Gauhati University	0
Facile, catalystfree cascade synthesis of sulfonyl guanidines via carbodiimide coupling with amines	Pradip Phukan	Chemical Communications	2019	0	Gauhati University	3
Preparation of Pyrazinamide Eutectics Vs. Cocrystals Based on Supramolecular Synthon Variations	Ranjit Thakuria	Crystal Growth and Design	2018	0	Gauhati University	2
Mechanochemical Synthesis of Olanzapine Salts and Their Hydration Stability Study Using Powder XRay Diffraction	Ranjit Thakuria	Crystal Growth and Design	2018	0	Gauhati University	0
A revisit to the multicomponent	Ranjit Thakuria	Monatshefte für Chemie	2018	0	Gauhati University	0

t reaction of indole, aldehyde, and Nsubstituted aniline catalyzed by PMA-SiO <sub>2</sub>						
Nitrogen doped carbon dots as fluorescence ON-OFF-ON sensor for parallel detection of copper(II) and mercury(II) ions in solutions as well as in filter paper based microfluidic device	Sanit Kumar Gogoi	Nanoscale Advances	2019	0	Gauhati University	1
Removal of Cu(II) and Pb(II) from Aqueous Solutions Using Nanoporous Materials	Anup Kr. Talukdar	Russian Journal of Physical Chemistry A	2018	0	Gauhati University	0
Speech recognition with reference to Assamese language using novel fusion technique	Sanjib Kr. Kalita	International Journal of Speech Technology	2018	0	Gauhati University	4
DPLs in Wireless Communication: Current State and Trends—A Literature Survey	S. Bhattacharyya, A. Misra, K.K. Sarma	Journal of The Institution of Engineers (India): Series B	2019	0	Gauhati University	0

A BCH code assisted modified NCO based LSPFDPLL topology for Nakagamim, Rayleigh and Rician fading channels	S. Bhattacharyya, A.Misrab, K.K. Sarma	Digital Communications and Networks	2019	0	Gauhati University	0
A Transmission Gate based High Frequency Rectifier Designed using 45nm CMOS Process for RF Energy Harvesting Application	Manash Pratim Sarma and Kandarpa Kumar Sarma	WSEAS TRANSACTIONS ON CIRCUITS AND SYSTEMS, vol. 18, pp. 4449, April, 2019	2019	0	Gauhati University	0
Aircraft Image Denoising and Identification using Deep Neural Network	Mridusmita Sharma, Kandarpa Kumar Sarma and Nikos Mastorakis	International Journal of Circuits, Systems and Signal Processing, vol. 13, pp. 430437, March, 2019	2019	0	Gauhati University	0
Long Term Critical Band Energy Based Feature Set for Dialect Identification using NeuroFuzzy Approach	Mousmita Sarm and Kandarpa Kumar Sarma	IEEE Journal of Intelligent Systems, vol. 33, no.1, pp. 4052, 2018	2018	0	Gauhati University	0
Efficiency of Marketing Channels of Horticultural	Amiya Sarma and M P Bezbaruah	Indian Journal of Agricultural Marketing	2018	0	Gauhati University	0

Crops: A Study of Assam'						
Development Transition of a Riverine Tribe: A Study of the Misings in the Brahmaputra Valley'	M P Bezbaruah	Indian Journal of Human Development (Sage Publications)	2018	0	Gauhati University	0
Revisiting the tenancy in efficiency question with an intertemporal optimization framework: insights from the agrarian set up of Assam Plains in Eastern India	M P Bezbaruah	Journal of Social and Economic Development (Springer)	2018	0	Gauhati University	0
Towards an Optimum Mobilisation of Resources for Conservation of an Environmental Amenity: A Case Study of Kaziranga National Park, India	M P Bezbaruah	International Journal of Ecological Economics and Statistics	2018	0	Gauhati University	0
Global Economic Integration of India's Economy: Trends,	Dilip Saikia and Nivedita Goswami	Journal of International Economics	2018	0	Gauhati University	0

Channels and Facilitating Factors						
Effect of Entrepreneurial networks on Small Firm performance in Kamrup, a district of Assam	Mandakini Das and Nivedita Goswami	Journal of Global Entrepreneurship Research (Springer)	2019	0	Gauhati University	0
Impact of Maternal Education on Institutional Delivery in Assam	Dipanjali Haloi and RD Baruah	Assam Economic Review, Vol. 12, March 2018	2018	0	Gauhati University	0
Progress of SHG Bank Linkage Program in Assam: An Interbank Analysis	Dipti Baishya and Ratul Mahanta	Assam Economic Review, Vol. 12, March 2018	2018	0	Gauhati University	0
Change in Employment from Farm to Nonfarm Activities : A Study in Assam	Amiya Sarma	Assam Economic Review, Vol. 12, March 2018	2018	0	Gauhati University	0
Understanding Two Demand Systems Theoretical and Empirical Evidences	Bandana Chowdhury	Assam Economic Review, Vol. 12, March 2018	2018	0	Gauhati University	0
Sediment characterization and spatial distribution of heavy metals in the sediment of a tropical freshwater	S.Kalita, H.P.Sarma, A.Devi	Environmental Pollution	2019	0	Gauhati University	0



wetland of IndoBurmes e province						
Estimating the global distribution of field size using crowdsourcing	Dhrubajyoti Saharia	Global Change Biology	2019	0	Gauhati University	3
How green was my valley: forest canopy density in relation to topography and anthropogenic effects in Manipur valley, India	Sharma, K., Saikia, A.	Geografisk Tidsskrift Danish Journal of Geography	2018	0	Gauhati University	1
Unplanned urban growth: land use/land cover change in the Guwahati Metropolitan Area, India	Pawe, C.K., Saikia, A.	Geografisk Tidsskrift Danish Journal of Geography	2018	0	Gauhati University	4
Toxic Trace Metals in the Surface Water Sources of Jia-Bharali river basin, North Brahmaputra Plain, India—A Hydrochemical Elucidation	Parag Phukan	Water Resources	2019	0	Gauhati University	0
Mid-late Holocene	Sarat Phukan	Journal of Earth	2019	0	Gauhati University	0

fluvial aggradation and morphometric investigations in the southern front of the Shillong plateau, NE India		System Science				
Downstream channel changes and the likely impacts of flow augmentation by a hydropower project in River Dikrong, India	Sarat Phukan	International Journal of River Basin Management	2018	0	Gauhati University	2
Monazite and xenotime U-Th-Pb total ages from basement rocks of the (central) Shillong-Meghalaya Gneissic Complex, Northeast India	Pranjit Hazarika	Journal of Earth System Science	2019	0	Gauhati University	0
Nature and source of the ore-forming fluids associated with orogenic gold deposits in the Dharwar Craton	Pranjit Hazarika	Geological Magazine	2018	0	Gauhati University	5

Arsenic fate in the Brahmaputra river basin aquifers: Controls of geogenic processes, provenance and waterrock interactions	Runti Choudhury	Applied Geochemistry	2019	0	IIT Guwahati	1
The Impact of Aquifer Flushing on Groundwater Arsenic Across a 35km Transect Perpendicular to the Upper Brahmaputra River in Assam, India	Runti Choudhury	Water Resources Research	2018	0	Gauhati University	2
A New Design Perspective for User Specific Intelligent Control of Devices in a Smart Environment	Dr. Vaskar Deka	Conference Proceedings Intelligent Systems Design and Applications Springer	2019	0	Gauhati University	0
Content Capture and Noise Cancellation Aided Mood Recognition using Assamese Speech	Dr. Parismita Sarma	IEEE Conference Proceedings	2018	0	Gauhati University	0
Computational Modeling and	Dr. Nabamita Deb	Conference Proceedings by Springer	2018	0	Gauhati University	0

Analysis of Artificial Flood Using Automata						
ContextSensitive Spelling Checker for Assamese Language	Dr. Nabamita Deb	Conference Proceedings by Springer	2018	0	Gauhati University	0
Women Empowerment among the Mishing Tribe in Lakhimpur District of Assam: Issues and Challenges	Arifur Zaman	North Bengal Anthropologist annually (Journal of the Department of Anthropology, University of North Bengal), Volume 6: 99107. (ISSN: 23208376).	2018	0	Gauhati University	0
Village Council and Administration of Justice: A Study among the Dimas Kacharis of Assam	Arifur Zaman	Cultural and Religious Studies, Vol17, No.4 :202212 (ISSN 23282177) (DOI: 10.17265/23282177),	2019	0	Gauhati University	8
Relationship between BMI and Percent body fat among the adult Tai Ahoms of Lakhimpur district, Assam	Gulrukh Begum	Human Biology Review	2019	0	Gauhati University	0
Levels of childhood Nutritional Status among the	Gulrukh Begum	International Journal of Community Medicine	2019	0	Gauhati University	0

Muslims of char areas in Barpeta District, Assam		and Public Health				
Nutritional status of adolescent Ahom boys of Sivasagar District, Assam	Gulrukh Begum	bulletin of the department of Anthropology	2018	0	Gauhati University	0
I2/TBHP/cyclohexanone a novel catalyst system for the oxidative dearomatization of indoles to indolin-3-ones at room temperature under solvent free condition	Pranjal Kumar Baruah	Catal. Commun	2018	0	Gauhati University	0
Oxidative Coupling of Naphthols to Ketones: An Approach to 1,2-Diketones	Pranjal Kumar Baruah	Chemistry Select	2018	0	Gauhati University	0
Copper Catalyzed Tandem MultiComponent Approach to 1,3-Oxazines at Room Temperature by CrossDehydrogenative Coupling Using Methanol as C1 Feedstock	Pranjal Kumar Baruah	Synlett	2018	0	Gauhati University	0

Onepot sequential multicomponent reaction: Synthesis of 3substituted indoles	Pranjal Kumar Baruah	Synth. Commun	2018	0	Gauhati University	0
A revisit to the multicomponent reaction of indole, aldehyde, and Nsubstituted aniline catalyzed by PMA-SiO <sub>2</sub>	Pranjal Kumar Baruah	Monatsh. Chem	2018	0	Gauhati University	0
LProline catalyzed domino Michael addition of Nsubstituted anilines	Pranjal Kumar Baruah	Tetrahedron Lett	2018	0	Gauhati University	0
Multicomponent synthesis of 3substituted indoles and their cyclisation to $\beta$ carboline via I <sub>2</sub> promoted intramolecular C <sub>2</sub> oxidative amination/aromatization at room temperature	Pranjal Kumar Baruah	Org. Biomol. Chem	2018	0	Gauhati University	0
A onepot catalyst/external oxidant/solventfree cascade approach to pyrimid	Pranjal Kumar Baruah	Green Chemistry	2018	0	Gauhati University	0

ines via a 1,5hydride transfer						
Estimation of error on the cro sscorrelat ion, phase and time lag between evenly sampled light curves	Archana Bora	Astronomy and Computing	2018	0	Gauhati University	0
Use of tools of NLD in analysis and calibr ation of Cudoped ZnO nanopa rticles (NPs) for biological applicatio ns	Eeshankur Saikia	Advanced Materials Proceeding s	2018	0	Gauhati University	0
Synthesis and study of optical properties of microst ructure fl owershaped ZnO	Eeshankur Saikia	Advanced Materials Letters	2018	0	Gauhati University	0
Study of s tructural, optical and antiba cterial properties of starchc apped Cu doped ZnO nanopartic les (NPs)	S. M. Borah, E. Saikia	Advanced Materials Proceeding s	2018	0	Gauhati University	0
Dispersion of nanosized ceriaterbi a solid solutions over silica surface:	Pranjal Saikia	Molecular Catalysis	2018	0	Gauhati University	0

evaluation of structural characteristics and catalytic activity						
Characteristics of solitary waves in a relativistic degenerate ion beam driven magneto plasma	Manoj Kumar Deka	Physics of Plasmas	2018	0	Gauhati University	0
Effect of Ion Temperature on Large Amplitude Solitary Kinetic Alfvén Waves and Double Layers in Plasmas with Superthermal Electrons	Manoj Kumar Deka	International Journal of Engineering Science and Technology	2018	0	Gauhati University	0
Landau degeneracy effect on ion beam driven degenerate magneto plasma: Evolution of hypersonic soliton	Manoj Kumar Deka	Annals of Physics	2018	0	Gauhati University	0
Effect of nonthermal intensity of electron and negative ion on the polarity of shock waves in a relativistic	Manoj Kumar Deka	Physics of Plasmas	2018	0	Gauhati University	0



ic plasma						
3D Burgers' Equation in a Relativistic Plasma in Presence of Electron and Negative Ion Trapping: Evolution of Shock Wave	Manoj Kumar Deka	3D Burgers' Equation in a Relativistic Plasma in Presence of Electron and Negative Ion Trapping: Evolution of Shock Wave	2018	0	Gauhati University	0
Effect of annealing temperature on the structural and optical properties of Zinc Oxide Nanoparticles prepared by chemical precipitation method	Suparna Bhattacharjee	Optik	2018	0	Gauhati University	0
Shell Thickness dependent photocatalytic activity of EDTA assisted Ag/ZnO core/shell nanoparticles under sunlight irradiation	Suparna Bhattacharjee	Mater. Res. Express	2018	0	Gauhati University	0
Ultrasensitive fluorescence detection of Fe <sup>3+</sup> ions using fluorescein isothiocyanate fun	Suparna Bhattacharjee	Journal of Materials Science: Materials in Electronics	2018	0	Gauhati University	0

unctionalized Ag/SiO <sub>2</sub> /SiO <sub>2</sub> core/shell nanocomposites						
An integral type operator on analytic function spaces	Sunanda Naik	J. Analysis (springer)	2018	0	Gauhati University	0
Operators and multipliers on weighted Bergman spaces	Sunanda Naik	Afrika Matematika (springer)	2018	0	Gauhati University	0
Weighted fractional composition operators on certain function spaces	Sunanda Naik	Asian European Journal of Mathematics (world scientific)	2018	0	Gauhati University	0
Effect of microwave heat on the nutritional properties of infected red kidney beans	Utpal Sarma	IEEE Access	2018	6	Gauhati University	0
Emulating the Statistical Properties of Indoor Power Line Colored Background Noise for Development of a Power Line Noise Simulator	Utpal Sarma	Journal of Circuits, Systems and Computers	2019	6	Gauhati University	0
Studies on change of strain developed	Utpal Sarma	Sensing and BioSensing Research	2019	6	Gauhati University	0

in different wood samples due to change in relative humidity						
Design and Characterization of a Fringing Field Capacitive Soil Moisture Sensor	Utpal Sarma	IEEE Transactions on Instrumentation and Measurement	2019	6	Gauhati University	1
An Alternate Method for Prediction and Analysis of Notch Characteristics in Indoor Power Lines Under Varied Channel Conditions	Utpal Sarma	Arabian Journal for Science and Engineering	2019	6	Gauhati University	0
WSN Based Embedded System For Field Parameter Monitoring Inside A LowCost Polyhouse	Utpal Sarma	International Journal of Sensors, Wireless Communication and Controls	2019	6	Gauhati University	0
Studies on change of strain developed in different wood samples due to change in relative humidity	Kunjalata Kalita	Sensing and BioSensing Research	2019	3	Gauhati University	0
Design and Characteri	Manash Protim	IEEE Trans actions on	2019	1	Gauhati University	1

zation of a Fringing Field Capacitive Soil Moisture Sensor	Goswami	Instrumentation and Measurement				
WSN Based Embedded System For Field Parameter Monitoring Inside A LowCost Polyhouse	Manash Protim Goswami	International Journal of Sensors, Wireless Communication and Controls	2019	1	Gauhati University	0
A 2D Evaluation of Altmetrics Influence in Citation Growth: Case Study of Indian Research Articles in PLoS Journals	Deepjyoti Kalita, Dipen Deka, Tilak Hazarika	Journal of Scientometric Research, EISSN: 23200059	2019	0	Gauhati University	0
Social and Educational Role of Rural Libraries	Prasanta Kumar Deka, Sanjay Kumar Singh	IASLIC Bulletin	2019	0	Gauhati University	0
Citation Analysis of Doctoral Theses of Physics: A Bibliometrics Study	Mithu Anjali Gayan, Sanjay Kumar Singh	Library Philosophy and Practice (eJournal)	2019	0	Gauhati University	0
Mapping the Research Publications Pattern of Faculties of Library and Information Science Department,	Ravi Kumar Shukla, Sanjay Kumar Singh, Manoj Kumar Verma	Library Philosophy and Practice (eJournal)	2019	0	Gauhati University	0

Mizoram University, Aizawl From 2008-2017: A Bibliometric Study						
Quantitative evaluation of Assam Agricultural University: A Scientometric Study	Rubi Goswami, Tilak Hazarika	IMPACT: International Journal of Research in Humanities, Arts and Literature	2018	0	Gauhati University	0
Argument Indexation in Hakhun Tangsa	Krishna Boro	Himalayan Linguistics	2019	0	Gauhati University	3
Some aspects of order Congruence graph of the commutative Ring Zn	Kuntala Patra	Bull. Cal. Math. Soc.	2019	0	Gauhati University	0
Impact of Thermophoretic MHD Viscous Fluid Flow Past a Wedge with Heat Source and Chemical Reaction	Rita Choudhury	Advances in Intelligent Systems and Computing	2019	0	Gauhati University	0
Slip Effects on Heat and Mass Transfer in MHD Viscous Elastic Fluid Flow Through a Porous Channel	Rita Choudhury	Advances in Intelligent Systems and Computing	2019	0	Gauhati University	0
Impact of Oblique Magnetic Flux upon Second Grade Fluid	Rita Choudhury	Advances in Intelligent Systems and Computing	2019	0	Gauhati University	0

Flow with Dissipation						
On Nilpotency Of The Right Singular Ideal Of Semiring	Helen K. Saikia	Bol. Soc. Paran. Mat.	2019	0	Gauhati University	0
A Study of Cyclic Codes Via a Surjective Mapping	Helen K. Saikia	MATEMATIKA	2018	0	Gauhati University	0
Singular and semisimple character in Einjective Ngroups with weakly descending chain conditions	Helen K. Saikia	Afrika Matematika	2018	0	Gauhati University	0
On injective modules	Helen K. Saikia	Algebra Letters	2018	0	Gauhati University	0
Bianchi Type I solution in f (T) gravity	Chandra Rekha Mahanta	IJMA	2018	0	Gauhati University	0
Metriclike spaces to prove existence of solution for nonlinear quadratic integral equation and numerical method to solve it	Bipan Hazarika	Journal of Computational and Applied Mathematics	2018	1.883	Gauhati University	0
GCalculus	Bipan Hazarika	TWMS Journal of Applied and Engine	2018	0	Gauhati University	0

		ering Mathematics				
Existence of Solutions of Infinite Systems of Differential Equations of General Order with Boundary Conditions in the Spaces $C^{\alpha}$ and $L^p$ via the Measure of Noncompactness	Bipan Hazarika	Mathematical Methods in the Applied Sciences	2018	1.533	Gauhati University	0
Existence of solution for an infinite system of nonlinear integral equations via measure of noncompactness and homotopy perturbation method to solve it	Bipan Hazarika	Journal of Computational and Applied Mathematics	2018	1.833	Gauhati University	0
Lacunary statistically slowly oscillating continuity in abstract space	Bipan Hazarika	Proceedings of the National Academy of Sciences, India Section A: Physical Sciences	2018	0.754	Gauhati University	0
Bigeometric integral calculus	Bipan Hazarika	TWMS Journal of Applied and Engineering Mathematics	2018	0	Gauhati University	0
On ideal $C$	Bipan	Journal of	2018	1.637	Gauhati	0

convergence in measure for sequences of fuzzy valued functions	Hazarika	Intelligent and Fuzzy Systems				University
Lacunary Ideal quasi Cauchy sequences	Bipan Hazarika	Annals of the University of Craiova Mathematics and Computer Science Series	2018	0		Gauhati University 0
Applications of a fixed point theorem for the existence of solutions of nonlinear functional integral equations in two variables	Bipan Hazarika	Rendiconti del Circolo Matematico di Palermo Series	2019	0		Gauhati University 0
Soft ideal topological space and Mixed fuzzy soft ideal topological space	Bipan Hazarika	Boletim da Sociedade Paranaense de Matematica	2019	0		Gauhati University 0
Solvability of nonlinear quadratic integral equation by using simulation type condensing operator and measure of noncompactness	Bipan Hazarika	Applied Mathematics and Computation	2019	3.092		Gauhati University 0
Applications	Bipan	Revista de	2019	1.028		Gauhati 0



<p>n of measure of noncompactness for solvability of the infinite system of integral equations in two variables in <math>l_p</math> (<math>1 &lt; p &lt; \infty</math>)</p>	Hazarika	la Real Academia de Ciencias Exactas, Físicas y Naturales.			University	
<p>Coupled fixed point theorems in partially ordered metric spaces via mixed gmonotone property</p>	Bipan Hazarika	Journal of Fixed Point Theory and Applications	2019	1.253	Gauhati University	0
<p>Some new generalization of Darbo's fixed point theorem and its application on integral equations</p>	Bipan Hazarika	Mathematics	2019	1.105	Gauhati University	0
<p>Application of simulation function and measure of noncompactness for solvability of nonlinear functional integral equations and introduction of an iteration algorithm</p>	Bipan Hazarika	Applied Mathematics and Computation	2019	3.092	Gauhati University	0

to find solution						
Existence of solution for nonlinear functional integral equations of two variables in Banach algebra	Bipan Hazarika	Symmetry	2019	2.143	Gauhati University	0
Weighted statistical convergence through difference operator of sequences of fuzzy numbers with application to fuzzy approximation theorems	Bipan Hazarika	International Journal of General Systems	2019	2.931	Gauhati University	0
On sequence spaces generated by binomial difference operator of fractional order	Bipan Hazarika	Mathematica Slovaca	2019	0.49	Gauhati University	0
Soret and Dufour effects on three dimensional mixed convective hydromagnetic flow of a viscoelastic fluid past an infinite inclined plate	Utpal Jyoti Das	Latin American Applied Research	2019	0.145	Gauhati University	0

Magneto-hydrodynamic Boundary Layer Flow with Soret /Dufour effects in presence of Heat source and Chemical Reaction	Utpal Jyoti Das	International Journal of Applied Engineering Research	2019	0	Gauhati University	0
Unsteady MHD Flow of Viscoelastic Fluid Through a Porous Medium in a Vertical Porous Channel	Utpal Jyoti Das	Advances in Intelligent Systems and Computing	2019	0	Gauhati University	0
Fixed Point theorems in Fuzzy Metric spaces for Mappings with Some Contractive Type Conditions	Neelakshi Goswami	Korean J. Math.	2018	0	Gauhati University	0
Some Results on Fixed Point Theory for a Class of Generalized Non expansive Mappings	Neelakshi Goswami	Fixed Point Theory and Applications	2018	0	Gauhati University	0
Some Fixed Point Theorems in Partially Ordered Fuzzy Metric Spaces using Altering Distance	Neelakshi Goswami	Mathematical Sciences Letters	2018	0	Gauhati University	0

Function						
A Policy to Eradicate Tumor in a DiscreteContinuous Immune CellTumor CellDrug Administration Model with the Help of Stability Analysis and Bifurcation Analysis of the Model	Ranu Paul	International Journal of Applied Engineering Research	2019	0	Gauhati University	0
Fuzzy stability of a rational functional equation and its relevance to system design	Hemen Dutta	International Journal of General Systems	2019	2.931	Gauhati University	0
Approximation of a system of system of rational functional equations in three variables	Hemen Dutta	International Journal of Applied and Computational Mathematics	2019	0	Gauhati University	0
Approximation of multiplicative inverse undecic and duodecic functional equations	Hemen Dutta	Mathematical Methods in the Applied Sciences	2019	1.18	Gauhati University	0
Stability of mixed type functional equation in normed spaces	Hemen Dutta	International Journal of General Systems	2019	2.931	Gauhati University	0

using fuzzy concepts						
Characterization of some matrix classes involving some sets with speed	Hemen Dutta	Miskolc Mathematical Notes	2018	0.585	Gauhati University	0
Tauberian Theorems for Cesàro Summability of nth Sequences	Hemen Dutta	Filomat	2018	0.635	Gauhati University	0
Duals and matrix classes involving Cesàro type classes of sequences of fuzzy numbers	Hemen Dutta	Advances in Fuzzy Systems	2018	0	Gauhati University	0
Fuzzy pabsolutely summable difference sequences	Hemen Dutta	New Mathematics and Natural Computation	2018	0	Gauhati University	0
NonArchimedean stability of a generalized reciprocal quadratic functional equation in several variables by direct and fixed point methods	Hemen Dutta	Filomat	2018	0.635	Gauhati University	0
Characterization of matrix classes involving some sets of summable double	Hemen Dutta	Journal of Intelligent and Fuzzy Systems	2018	1.426	Gauhati University	0

sequences of fuzzy numbers						
Fixed point of nonself total asymptotically nonexpansive mappings in Banach spaces	Hemen Dutta	Applied Sciences	2018	0	Gauhati University	0
Effect of variable viscosity on a nanofluid over a porous wedge	R. K. Deka	Int. J. Fluid Mechanics Research	2018	0	Gauhati University	0
Manifestation of peaks in a live firefly flash	Angana Goswami, Prodeep Phukan, Anurup Gohain Barua	Journal of Fluorescence	2019	1.913	Gauhati University	0
AZO (Al: ZnO) thin films with high figure of merit as stable indium free transparent conducting oxide	Bikash Sarma, Dipak Barman, Bimal K. Sarma	Applied Surface Science	2019	4	Gauhati University	2
Microstructural evolution and optical dispersion of sputtered ZnO thin films at low annealing temperature	Bikash Sarma, Pradhyut Rajkumar, Bimal K. Sarma	Materials Research Express	2019	0	Gauhati University	0
VR CCD photometry	Lata et. al.	Astronomical Journal	2019	5	Gauhati University	1

of variable stars in globular cluster NGC 4147	(including Medhi, Biman J.)	(AJ)				
Bok globule CB 17: polarization, extinction and distance	Choudhury, G.B., Barman, A., Das, H.S., Medhi, B.J.	Monthly Notices of Royal Astronomical Society (MNRAS)	2019	5.231	Gauhati University	0
Influence of capping agent on the structural, optical and photocatalytic properties of ZnS nanocrystals	D.C. Deka, A. Kalita, S. Bardaloi, M.P.C. Kalita (corresponding author)	Journal of Luminescence (Elsevier Publication)	2019	2.961	Gauhati University	1
Microstructural, optical, magnetic and photocatalytic properties of Mn doped ZnO nanocrystals of different sizes	A. Kalita, M.P.C. Kalita (corresponding author)	Physica B (Elsevier Publication)	2019	1.874	Gauhati University	2
Structural phase controlled transition metal (Fe, Co, Ni, Mn) doping in CdS nanocrystals and their structural, optical, magnetic and photocatalytic properties	K. Deka, M.P.C. Kalita	Journal of Alloys and Compounds (Elsevier Publication)	2018	4.175	Gauhati University	8
Silver ion concentration	S Deb and D Sarkar	Journal of Optoelectronics and	2019	0	Gauhati University	0

dependent properties of silver nanostructured nanocomposite films		Advanced Materials				
Photosensing properties of nanostructured CdSPorous Silicon (PS):pSi based MSM heterostructure	M. Das, S. Sarmah and D. Sarkar	J Mat Sc. Material in Electronics	2019	2.019	Gauhati University	0
Investigation of dielectric properties of polyaniline (PANI) sulphonic acid (SA) composite prepared by interfacial polymerization	MausumiDas , AliAkbar, D.Sarkar	Synthetic metals	2019	2.526	Gauhati University	0
Fabrication and characterization of nical (61,62Ni) isotopes by physical vapour techniques for nuclear reaction studies	N. K. Deb, K.Kalita et al.	Vacuum	2019	2	Gauhati University	3
Theoretical aspects of deformation effect on fusion cross sections induced by	N.k. Deb and K. Kalita	Indian Journal of Pure Applied Physics	2019	0.822	Gauhati University	1



heavy ion systems 16,180 on 58Ni and 112Sn						
Precision resonance energy scans with PANDA experiment at FAIR sensitivity study for width and lineshape measurements of the X(3872)	K.Kalita with PANDA collaboration	Eur. Phys. J.A	2019	2	Gauhati University	0
Modeling aperiodic magnetospheric oscillations	Murchana Khusroo and Madhurjya P Bora	Physical Review E	2019	0	Gauhati University	0
Photoemission driven electron twostream instability (ETSI) and evolution of plasma sheath	Suniti Changmai and Madhurjya P Bora	Physics of Plasmas	2019	0	Gauhati University	0
Dust levitation in an inverse sheath	Rinku Deka and Madhurjya P Bora	Physics of Plasmas	2018	1	Gauhati University	1
Graphene oxide based soil moisture sensor for in situ agriculture applications.	Vinay S.Palparthya, Hemen Kalita, Sandeep G.Suryad, Maryam Shojaei Baghinie, M.Asalam	Sensors Actuators B: Chemical	2018	7	Gauhati University	9
Color reconnection as a possible mechanism of intermittency in	Pranjal Sarma Buddhadeb Bhattacharjee	Physical Review C	2019	3.132	Gauhati University	0

the emission spectra of charged particles in PYTHIA generated high multiplicity pp collisions at energies available at the CERN Large Hadron Collider						
Multiplicity dependence of light flavor hadron production in pp collisions at $\sqrt{s} = 7$ TeV	S. Acharya... B. Bhattacharjee et al (ALICE Collaboration)	Physical Review C	2019	3.132	Gauhati University	9
Transverse momentum spectra and nuclear modification factors of charged particles in pp, pPb and PbPb collisions at the LHC	S. Acharya... B. Bhattacharjee et al (ALICE Collaboration)	Journal of High Energy Physics	2018	5.833	Gauhati University	12
A New Three parameter Poisson-Lindley distribution for modelling overdispersed count data	Das, Kishore Kumar., Ahmed, Inzamal and Bhattacharjee, Sahana	International Journal of Applied Engineering Research (ICI indexed))	2018	0	Gauhati University	0
Wrapped Length Biased Weighted E	Sahana Bhattacharjee and Dimpee Borah	Thailand Statistician (Scopus indexed)	2019	0	Gauhati University	0

Exponential Distribution						
Weibul Distribution as an Actuarial Risk Model	Jagriti Das and Dilip C Nath	Journal of Data Science	2019	0	Gauhati University	0
Statistical inference on traffic intensity in an M/M/1 queuing system	Choudhury, A. and Basak, A	International Journal of Management Science and Engineering Management	2018	0	Gauhati University	4
Bayesian inference and prediction in single server M/M/1 queuing model based on queue length	Basak, A. and Choudhury, A.	Indian Journal Of Hill Farming	2018	0	Gauhati University	0
Estimation of growth rate and decomposition of output components of oilseed: A comparative study among the States of North East	Kishore K Das et al	Indian Journal of Hill Farming	2018	0	Gauhati University	0
Dynamics of Cereal Production in the states of North Eastern Region of India: An Interstate Comparative Study	Kishore K Das et al	Indian Journal of Hill Farming	2018	0	Gauhati University	0

A New Three parameter Poisson Lindley distribution for modelling overdispersed count data	Kishore K Das et al	International Journal Of Applied Engineering Research	2018	0	Gauhati University	0
Institutionalisation of Women's Studies Research Centre, Gauhati University: A Struggle for Space and Identity	Dr. Polly Vauquiline	Space and Culture, India	2018	4	Gauhati University	0
Engaging with the Law: Decriminalisation of Homosexuality and the Johar Judgment, 2018	Dr. Poonam Kakoti Borah	Space and Culture, India	2018	1	Gauhati University	2
Identification and Pathogenicity of Pseudomonas aeruginosa DJ1990 on Tail and Fin Rot Disease in Spotted Snakehead	Dibya J. Saikia, Goutam Banerjee	JOURNAL OF THE WORLD AQUACULTURE SOCIETY	2018	0.635	Gauhati University	1
Evaluation of antioxidant and antimicrobial activity of a medicinal plant Hydr cotyle sibthorpiode	PJ Handique, M Garg	International Journal of Pharmaceutical Sciences and Research 8 (8), 35243529	2018	8	Gauhati University	0

s Lam., grown in NE India						
Biotechnol ogical targets and improv ement in the genus Dendrobium Sw. (family Or chidaceae) : A Review	P Chattopa dhyay, PJ Handique	Journal of Advanced Plant Sciences 9 (2), 19	2018	8	Gauhati University	0
A rapid and effective method for extraction of bacterial DNA from crude oilc ontaminate d soil	A Dasgupta, PJ Handique, R Saikia	CURRENT SCIENCE 115 (2), 211212	2018	8	Gauhati University	0
IN VITRO CALLUS INDUCTION FROM CAPSICUM ASSAMICUM (BHUT JOLOKIA) AND ITS CAPSAICIN QUANTIFICA TION	S Nisha, A Bora, HK Gogoi, SK Dwivedi, PJ Handique	Internatio nal Journal of Pharmacy and Biological Sciences 8 (2), 745751	2018	8	Gauhati University	0
HYDROCOTYL E SIBTHORP IODES EXTRACT LOADED IN CHITOSAN N ANOCAPSULE AS AN EFFECTIVE ANTIBACTER IAL AGENT AGAINST FEW PREVALENT MICROBES IN WOUND	M Garg, PJ Handique	INTERNATIO NAL JOURNAL OF PHARMACEUT ICAL SCIENCES AND RESEARCH 9 (5), 19501955	2018	8	Gauhati University	0
Mapping the Bacterial	A Dasgupta, R Saikia,	Current mi crobiology 75 (11),	2018	8	Gauhati University	0

Community in Digboi Oil Refinery, India by HighThroughput Sequencing Approach	PJ Handique	14411446				
evaluation and selection of Potential Biomass sources of northeast india towards sustainable Bioethanol Production	GD Nongthombam, RK Labala, S Das, PJ Handique, NC Talukdar	Frontiers in Energy Research 5, 16	2018	8	Gauhati University	0
Genetic polymorphism of growth hormone releasing hormone gene in exotic and crossbred pigs	P Kaushik, S Naskar, PJ Handique, H Rahman, DK Sarma	Indian J. Anim. Res 51 (2), 231234	2018	8	Gauhati University	0
POPULATION GENETIC STRUCTURE ANALYSIS OF Citrus reticulata BLANCO OF NORTH EASTERN HILL REGION OF INDIA USING ISSR MARKER	S MOIRANGTHEM, NS SINGH, PJ HANDIQUE, HS DEVI	PLANT CELL BIOTECHNOLOGY AND MOLECULAR BIOLOGY, 19	2018	8	Gauhati University	0
Biotechnology Intervention in Medicinal Plants of North East India A Review	PJ Handique	Journal of Bioresources 4 (1), 111	2018	8	Gauhati University	0
Confined Enzymatic	RC Jose, ND Grihala	Biol Syst Open	2018	8	Gauhati University	0

Activity of <i>S. scitamineum</i> and <i>U. esculenta</i> at the Smut Gall during Infection	kshmi, B Louis, PJ Handique, NC Talukdar	Access				
Application of biosurfactant for enhancement of bioremediation process of crude oil contaminated soil	Rupshika Patowary, Kaustuvmani Patowary, Mohan Chandra Kalita, Suresh Dekha	International Biodeterioration and Biodegradation (2018) doi.org/10.1016/j.ibiod.2018.01.004	2018	17	Gauhati University	0
Isolation and selection of cellulose degrading microorganisms for utilization along with earthworms in efficient conversion of municipal waste mix to compost.	Sanasam Shantibala Devi, Nongthombam Grishalakshmi Devi, Mohan Chandra Kalita, Narayan Chandra Talukdar	Current Science (2018) Vol. 114, No. 6. Pg 12611274.	2018	17	Gauhati University	0
Root colonization by host specific rhizobacteria alters indigenous root endophyte and rhizosphere soil bacterial communities and promotes the growth of mandarin	Elizabeth Thokchom, Dwipendra Thakuria, Mohan Chandra Kalita, Chandradev K.Sharma and Narayan Chandra Talukdar	European Journal of soil biology Volume 79. 2017	2018	17	Gauhati University	0

orange						
Characterization of biosurfactant produced during degradation of hydrocarbons using crude oil as sole source of carbon	Kaustuvmani Patowary, Rupshika Patowary, Mohan Chandra Kalita and Suresh Deka	Frontiers in Microbiology volume 8 Article 279.	2018	17	Gauhati University	0
Cloning and Expression study of Leucoanthoxanthin Reductase Gene (CaLAR) from Camellia assamica	Afruja Zaman, M. Gogoi, M C Kalita and T Bandyopadhyay	Biotechnology: An Indian Journal 14(1):158, 2018	2018	17	Gauhati University	0
Kelch Propeller Domain and Pfmdr1 Sequence Polymorphism in Plasmodium falciparum Field Isolates From Northeast Region, India	Manuj K Das, Mohan C. Kalita, Sumi Chetry and Prafulla Dutta	.Human Parasitic Diseases Vol 9:19	2018	17	Gauhati University	0
Antimicrobial potentiality of actinobacteria isolated from two microbially unexplored forest ecosystems from northeast	Ranjita Das, Wahengbam Romi, Ricktika Das, Hridip Kumar Sarma, Debajit thakur	BMC Microbiology <a href="https://doi.org/10.1186/s1286601812157">https://doi.org/10.1186/s1286601812157</a>	2018	9	Gauhati University	0



India							
Purification and characterization of phenoloxidase from the hemolymph of healthy and diseased <i>Antheraea assamensis</i> helper: Effects of certain biological components and chemical agents on enzyme activity	Gayatri S baruah, Hridip Kumar Sarma, Sunayan Bardoloi, Dipsikha Bora	Archives of Insect Biochemistry and Physiology	2019	9	Gauhati University	0	
Assessing the stimulatory effect of indole3acetic acid on growth and sustenance of yeasts isolated from traditional fermentative sources maintained by six ethnic communities of Assam, northeast India.	Bhaskar Jyotirath, Deepprakash parasar, Ekta Verma, Hridip Kumar Sarma, Arun Kumar Mishra	Journal of Pure Applied Microbiology 13(2): 2129	2019	9	Gauhati University	0	
Memristive, memcapacitive and meminductive behavior of single and codoped cadmium selenide nanocomposites	Prof. Pranayee Datta	Journal of Materials Science: Materials in Electronics	2018	7	Gauhati University	1	

tes under different doping environment						
Ultrasensitive fluorescence detection of Fe <sup>3+</sup> ions using fluorescein isothiocyanate functionalized Ag/SiO <sub>2</sub> /SiO <sub>2</sub> core-shell nanocomposites	Prof. Pranayee Datta	Journal of Materials Science: Materials in Electronics	2019	7	Gauhati University	0
Shell thickness dependent photocatalytic activity of EDTA assisted Ag/ZnO core-shell nanoparticles under sunlight irradiation	Prof. Pranayee Datta	Materials Research Express	2019	7	Gauhati University	1
Optically sensitive IV properties of CdS and CdS:Cu quantum dots	Prof. Pranayee Datta	Materials Research Express	2018	7	Gauhati University	1
Nonlinear model of nanoscale devices for memory application	Prof. Pranayee Datta	Indian Journal of Physics	2018	7	Gauhati University	0
Optoelectronic Properties of Green Synthesized ZnS Nanostructures	Prof. Pranayee Datta	International Journal of Nanoscience	2018	7	Gauhati University	0

A Study on Dielectric Properties of Cadmium Sulfide-Zinc Sulfide Core-Shell Nanocomposites for Application as Nanoelectronic Filter Component in the Microwave Domain	Prof. Pranayee Datta	Journal of Electronic Materials	2018	7	Gauhati University	1
Yagi-Uda nanoantenna For NIR domain	Prof. Pranayee Datta	Journal of Computational Electronics	2018	7	Gauhati University	0
Noncontact method based on intensity modulation of light for measurement of vibration of a thin cantilever beam	Prof. Tulshi Bezboruah	IET Science, Measurement and Technology	2019	8	Gauhati University	0
Oblique fed ring antenna mounted in car headlight for automotive applications	Prof. Tulshi Bezboruah	Electronic Letters	2019	8	Gauhati University	0
A Study on ? Optimization Parameter and Phase Margin of Fourth Order Phase Locked Loop	Prof. Tulshi Bezboruah	INTERNATIONAL JOURNAL OF COMPUTER SCIENCES AND ENGINEERING	2018	8	Gauhati University	0
Some Aspects of Reliability	Prof. Tulshi Bezboruah	International Journal of	2018	8	Gauhati University	0

Y Evaluation of Multi Service Mu ltiFunctio nal SOAP Based Web Services		Informatio n Retrieval Research				
LowCost Refractive Index Sensor with Optical Fibers Attached to a Ushaped Glass Tube	Prof. Tulshi Bezboruah	IEEE Sensors Journal	2018	8	Gauhati University	0
A RealTime Data Acqui sition System for Monitoring Sensor Data	Prof. Tulshi Bezboruah	INTERNATIO NAL JOURNAL OF COMPUTER SCIENCES AND ENGINE ERING	2018	8	Gauhati University	0
Lecture Notes in Electrical Engineerin g	Prof. Tulshi Bezboruah	Lecture Notes in Electrical Engineerin g	2018	8	Gauhati University	0
A Novel Optical Method to Measure Weight by Using Linear Extension Spring	Prof. Tulshi Bezboruah	IEEE Sensors Letters	2018	8	Gauhati University	0
LowCost Refractive Index Sensor With Optical Fibers Attached to a UShaped Glass Tube	Dr. Hidam Kumarjit Singh	IEEE Sensors Letters	2018	6	Gauhati University	0
A Novel Optical Method to Measure Weight by	Dr. Hidam Kumarjit Singh	IEEE Sensors Letters	2018	6	Gauhati University	0

Using Linear Extension Spring						
Fiber Optic Capillary Flow Viscometer	Dr. Hidam Kumarjit Singh	IEEE Sensors Letters	2018	6	Gauhati University	0
A Novel Optical Method to Measure Weight by Using Linear Extension Spring	Dr. Ram Kishore Roy	IEEE Sensors Letters	2018	1	Gauhati University	0
Noncontact method based on intensity modulation of light for measurement of vibration of a thin cantilever beam	Dr. Ram Kishore Roy	IET Science, Measurement Technology	2019	1	Gauhati University	0
A Brief Review on Memristive Biosensors	Dr. Hirendra Das	Global Journal of Nanomedicine	2018	1	Gauhati University	0
Optically sensitive IV properties of CdS and CdS:Cu quantum dots	Dr. Hirendra Das	Materials Research Express	2018	1	Gauhati University	0
Study of Professional Skills of Nonteaching Staff Assessment of Training Needs: A Case Study of Selected Higher Educational Institutions	Prof. P.K.Jain U .K.Khanika r	Gian Jyoti eJournal	2018	0	Gauhati University	0

ntitutions from Assam						
Evaluation of Effectiveness of Training to Employees of Few Selected Higher Educational Institutions of Assam	Prof. P.K.Jain U .K.Khanika r	Abhinav	2018	0	Gauhati University	0
Job Involvement is dependent on Job Satisfaction: A Study of Private Sector Banks in Guwahati	Prof. P.K.Jain Junumoni Das	International Journal for Research Application Management (IJREAM)	2018	0	Gauhati University	0
Risk Perception Entrepreneurial Career Choice: A comparative analysis of First Generation Entrepreneurs Service Holders	Prof. P.K.Jain Arnab Banerjee	UP Journal of Entrepreneurship Development	2018	0	Gauhati University	0
Impact of Emotional Intelligence on Organizational Commitment in Service Organizations An Empirical Study	Dr. Monoshree Mahanta	EPRA International Journal of Business and Economics, Vol.6 Issue 2(B)	2018	0	Gauhati University	0
Unraveling the Brand Attractiveness Quotient In Processed	Dr Rinalini Pathak Kakati and Anubhuti Deorah	International Journal of Advanced Scientific Research and	2018	0	Gauhati University	0

Food Industry		Management (IJASRM) Vol3, Issue 10 , Oct 2018				
A Study on Awareness, Prospects and Challenges of Microfinance in Urban Area of Kamrup(M) District of Assam	Dr M K Chowdhury Vandana Minda Heda	EPRA International Journal of Economic and Business Review	2019	0	Gauhati University	0
Employee Wellbeing Are Organizations Addressing it the Correct Way?	Dr. Monoshree Mahanta	IRA International Journal of Management and Social Sciences , Special Issue,	2019	0	Gauhati University	0
Social Intelligence of Undergraduate students with special reference to Halflong Govt. College	Polee Saikia	The Clarion,	2018	0	Gauhati University	0
Effect of Tracental meditation on classroom management in Maharishi Organizati on with special reference to MVM schools	Gayatree Goswamee	The Clarion,	2018	0	Gauhati University	0
Influence of Parental attitude	Polee Saikia	The Clarion,	2018	0	Gauhati University	0

towards inclusive education for CWSN : A study in Barpeta district , Assam, India						
Incidence of Wall Writing Among School Going Children and Its Relationship with Mental Health, Classroom Climate and School Management Practices	Moyuri Sarma	the International Journal of Current Advanced Research	2018	0	Gauhati University	0
<a href="#">View File</a>						

3.4.6 – h-Index of the Institutional Publications during the year. (based on Scopus/ Web of science)

Title of the Paper	Name of Author	Title of journal	Year of publication	h-index	Number of citations excluding self citation	Institutional affiliation as mentioned in the publication
Evaluation of antioxidant and antimicrobial activity of a medicinal plant Hydr cotyle si bthorpiode s Lam., grown in NE India	PJ Handique, M Garg	International Journal of Pharmaceutical Sciences and Research 8 (8), 35243529	2018	8	0	Gauhati University
Biotechnological targets and improvement in the genus Dendrobium Sw. (family Orchidaceae)	P Chattopadhyay, PJ Handique	Journal of Advanced Plant Sciences 9 (2), 19	2018	8	0	Gauhati University



: A Review						
A rapid and effective method for extraction of bacterial DNA from crude oil contaminated soil	A Dasgupta, PJ Handique, R Saikia	CURRENT SCIENCE 115 (2), 211212	2018	8	0	Gauhati University
IN VITRO CALLUS INDUCTION FROM CAPSICUM ASSAMICUM (BHUT JOLOKIA) AND ITS CAPSAICIN QUANTIFICATION	S Nisha, A Bora, HK Gogoi, SK Dwivedi, PJ Handique	International Journal of Pharmacy and Biological Sciences 8 (2), 745751	2018	8	0	Gauhati University
HYDROCOTYLE SIBTHORPIODES EXTRACT LOADED IN CHITOSAN NANOCAPSULE AS AN EFFECTIVE ANTIBACTERIAL AGENT AGAINST FEW PREVALENT MICROBES IN WOUND	M Garg, PJ Handique	INTERNATIONAL JOURNAL OF PHARMACEUTICAL SCIENCES AND RESEARCH 9 (5), 19501955	2018	8	0	Gauhati University
Mapping the Bacterial Community in Digboi Oil Refinery, India by HighThroughput Sequencing Approach	A Dasgupta, R Saikia, PJ Handique	Current microbiology 75 (11), 14411446	2018	8	0	Gauhati University
evaluation and selection of	GD Nongthombam, RK Labala, S Das, PJ	Frontiers in Energy Research 5, 16	2018	8	0	Gauhati University

Potential Biomass sources of northeast india towards sustainable Bioethanol Production	Handique, NC Talukdar					
Genetic polymorphism of growth hormone releasing hormone gene in exotic and crossbred pigs	P Kaushik, S Naskar, PJ Handique, H Rahman, DK Sarma	Indian J. Anim. Res 51 (2), 231234	2018	8	0	Gauhati University
POPULATION GENETIC STRUCTURE ANALYSIS OF Citrus reticulata BLANCO OF NORTH EASTERN HILL REGION OF INDIA USING ISSR MARKER	S MOIRANGT HEM, NS SINGH, PJ HANDIQUE, HS DEVI	PLANT CELL BIOTECHNOLOGY AND MOLECULAR BIOLOGY, 19	2018	8	0	Gauhati University
Biotechnology Intervention in Medicinal Plants of North East India A Review	PJ Handique	Journal of Bioresources 4 (1), 111	2018	8	0	Gauhati University
Confined Enzymatic Activity of S. scitamineum and U. esculenta at the Smut Gall during Infection	RC Jose, ND Grihala kshmi, B Louis, PJ Handique, NC Talukdar	Biological Systems: Open Access	2018	8	0	Gauhati University
Application of biosurfactant for enhance	Rupshika Patowary, Kaustuvmani	International Biodeterioration and Biodeg	2018	17	0	Gauhati UniversityGauhati University

ement of b ioremediat ion process of crude oil contaminat ed soil	Patowary, Mohan Chandra Kalita, Suresh Deka	radation (2018) doi .org/10.10 16/J.ibiod .2018.01.0 04				
Isolation and srlection of cellulose degrading microorgan isms for u tilization along with eatyhworms in efficient conversion of municip ality waste mix to compost.	Sanasam Shantibala Devi, Nong thombam Gr ihalakshmi Devi, Mohan Chandra Kalita, Narayan Chandra Talukdar	Current Science (2018) Vol. 114, No. 6. Pg 12611274.	2018	17	0	Gauhati University
Root colon ization by host specific r hizobacter ia alters indigenous root endophyte and rhizos phere soil bacterial communitie s and promotes the growth of mandarin orange	Elizabeth Thokchom, Dwipendra Thakuria, Mohan Chandra Kalita, Chandradev K.Sharma and Narayan Chandra Talukdar	European Journal of soil biology Volume 79. 2017	2018	17	0	Gauhati University
Characteri zation of biosurfact ant produced during deg radation of hydroca rbons using crude oil as sole	Kaustuvman i Patowary, Rupshika Patowary, Mohan Chandra Kalita and Suresh Deka	Frontiers in Microbi ology volume 8 Article 279.	2018	17	0	Gauhati University

source of carbon						
Cloning and Expression study of Leucoanthocyanidin Reductase Gene (CaLAR) from <i>Camellia assamica</i>	Afruja Zaman, M. Gogoi, M C Kalita and T Bandyopadhyay	Biotechnology: An Indian Journal 14(1):158, 2018	2018	17	0	Gauhati University
Kelch Propeller Domain and Pfmdr1 Sequence Polymorphism in <i>Plasmodium falciparum</i> Field Isolates From Northeast Region, India	Manuj K Das, Mohan C. Kalita, Sumi Chetry and Prafulla Dutta	.Human Parasitic Diseases Vol 9:19	2018	17	0	Gauhati University
Antimicrobial potentiality of actinobacteria isolated from two microbologically unexplored forest ecosystems from northeast India	Ranjita Das, Wahengbam Romi, Ricktika Das, Hridip Kumar Sarma, Debajit thakur	BMC Microbiology <a href="https://doi.org/10.1186/s1286601812157">https://doi.org/10.1186/s1286601812157</a>	2018	9	0	Gauhati University
Purification and characterization of phenoloxidase from the hemolymph of healthy and diseased <i>Antheraea assamensis</i>	Gayatri S baruah, Hridip Kumar Sarma, Sunayan Bardoloi, Dipsikha Bora	Archives of Biochemistry and Physiology	2019	9	0	Gauhati University

<p>helper: Effects of certain biological components and chemical agents on enzyme activity</p>						
<p>Assessing the stimulatory effect of indole3acetic acid on growth and sustenance of yeasts isolated from traditional fermentative sources maintained by six ethnic communities of Assam, northeast India.</p>	<p>Bhaskar Jyotijnath, Deep prakash parasar, ekta Verma, Hridip Kumar Sarma, Arun Kumar Mishra</p>	<p>Journal of Pure Applied Microbiology 13(2): 2129</p>	<p>2019</p>	<p>9</p>	<p>0</p>	<p>Gauhati University</p>
<p>Delineating thermophilic xylanase from Bacillus licheniformis DM5 towards its potential application in xylooligosaccharides production</p>	<p>Ghosh, A., Sutradhar, S., Baishya, D.</p>	<p>World Journal of Microbiology and Biotechnology</p>	<p>2019</p>	<p>0</p>	<p>1</p>	<p>Gauhati University</p>
<p>OMP36 mediated meropenem resistance in clinical isolates of Klebsiella</p>	<p>Borah, V.V., Ghosh, A., Shahbaaz, M., Hassan, I. and Saikia, K.K.</p>	<p>International Journal of Current Advanced Research</p>	<p>2018</p>	<p>0</p>	<p>1</p>	<p>Gauhati University</p>

pneumonia						
Comparative metabolomics approach towards understanding chemical variation in rice under abiotic stress	AK Pradhan, ZM Shandilya, L Lahkar, S Hasnu, J Kalita, D Borgohain, B. Tanti	Advances in Rice Research for Abiotic Stress Tolerance Woodhead Publishing, (Elsevier), pp. 537550.	2019	0	0	Gauhati University
Screening of drought tolerant rice through morphophysiological and biochemical approaches.	S Nahar, L Sahoo, B Tanti	Biocatalysis and Agricultural Biotechnology (Elsevier), 15, 150159.	2018	0	3	Gauhati University
Antioxidant Protection mechanisms reveal significant response in drought induced oxidative stress in some traditional rice of Assam, India.	S Nahar, LR Vemireddy, L Sahoo, B Tanti	Rice Science (Elsevier), 25 (4), 185196.	2018	1	6	Gauhati University
Arsenic stress responses and tolerance in rice: physiological, cellular and molecular approaches.	J Kalita, AK Pradhan, ZM Shandilya, B Tanti	Rice Science (Elsevier), 25 (5), 235-249.	2018	0	2	Gauhati University
Morphophysicochemical and cooking ch	L Lahkar, B Tanti	Biocatalysis and Agricultural Biotechnol	2018	0	0	Gauhati University

aracteristics of traditional aromatic Joha rice ( <i>Oryza sativa</i> L.) of Assam, India.		ogy (Elsevier), 16, 644654.				
Habitat distribution modeling for reintroduction and conservation of <i>Aristolochia indica</i> L. a threatened medicinal plant in Assam, India.	B Sarma, PS Baruah, B Tanti	Journal of Threatened Taxa 10 (11), 1253-1257.	2018	0	0	Gauhati University
Lectotypification of <i>Calamus nambariensis</i> (Arecaceae).	K Deka, SK Borthakur, C Nepi, B Tanti	Nordic Journal of Botany (Wiley), 36 (10), e01953.	2018	0	0	Gauhati University
Habitat distribution modelling for improving conservation status of <i>Brucea mollis</i> Wall. ex Kurz.-An endangered potential medicinal plant of Northeast India.	SK Borthakur, PS Baruah, K Deka, P Das, B Sarma, D Adhikari, B Tanti	Journal for Nature Conservation (Elsevier), 43, 104110.	2018	0	5	Gauhati University
Habitat mapping, population size and preventing extinction through improving the conser	K Deka, SK Borthakur, B Tanti	Acta Ecologica Sinica (Elsevier), doi.org/10.1016/j.chnaes.2018.03.	2018	0	3	Gauhati University

<p>vation status of Calamus nambariensis Becc. an endemic and threatened cane of Assam, India.</p>						
<p>In vitro callus induction and indirect organogenesis of Brucea mollis Wall. ex Kurz - A potential medicinal plant of Northeast India.</p>	<p>P Das, B Tanti, SK Borthakur</p>	<p>South African Journal of Botany (Elsevier) 119, 203211.</p>	<p>2018</p>	<p>0</p>	<p>1</p>	<p>Gauhati University</p>
<p>Habitat distribution modelling and reinforcement of Elaeocarpus serratus L. A threatened tree species of Assam, India for improvement of its conservation status.</p>	<p>PS Baruah, K Deka, L Lahkar, B Sarma, SK Borthakur, B Tanti</p>	<p>Acta Ecologica Sinica (Elsevier), doi.org/10.1016/j.chnaes.2018.06.</p>	<p>2018</p>	<p>0</p>	<p>2</p>	<p>Gauhati University</p>
<p>Antimicrobial secondary metabolites of an endolichenic Aspergillus niger isolated from lichen thallus of Parmotrema ravum</p>	<p>Srichandan Padhi, Marco Masi, Sujogya K. Panda, Walter Luytec, Alessio Cimmino, Kumanand Tayungand Antonio Evidente</p>	<p>Natural Product Research</p>	<p>2018</p>	<p>0</p>	<p>0</p>	<p>Gauhati University</p>



Funiculosone, a substituted dihydroxanthene with two of its analogues produced by an endolichenic fungus <i>Talaromyces funiculosus</i> and their antimicrobial activity	Srichandan Padhi, Marco Masi, Alessio Cimmino, Kumanand Tayung and Antonio Evidente	Phytochemistry	2018	0	0	Gauhati University
Compositional Variability in Leaves and Inflorescence Essential Oils of <i>Cymbopogon khasianus</i> (Hack.) Stapf ex Bor. Collected from Meghalaya: A Biodiversity Hotspot.	Sukriti Dutta, Sunita Munda, Nilakshee Devi Mohan Lal	Journal of Essential Oil Bearing Plants TEOP 21 (3): 640 - 657	2018	0	0	Gauhati University
Antimicrobial Activity of Endophytic Fungi from Leaves and Barks of <i>Litsea cubeba</i> Pers., a Traditionally Important Medicinal Plant of North East India.	Deepanwita Deka and Dhruva Kumar Jha	Jordan Journal of Biological Sciences	2018	0	0	Gauhati University
Investigation of pHs	Deka C, Deka D,	Journal of Polymers	2018	0	0	Gauhati University

ensitive Swelling and Curcumin Release Behaviour of Chitglc Hydrogel	Bora M, Jha DK and Kakati D	and the Environment 26(10): 40344045				
Optimization of culture parameters for improved production of bioactive metabolite by endophytic <i>Geosmithia pallida</i> (KU693285) isolated from <i>Brucea mollis</i> Wall ex. Kurz, an endangered medicinal plant.	Deepanwita Deka and Dhruva Kumar Jha	Journal of Pure and Applied Microbiology 12(3): 12051213.	2018	0	0	Gauhati University
Tea root brown rot fungus disease reduction and yield recovery with rhizobacteria inoculation in both nursery and field trials.	P. Morang, S. P. Devi, D. K. Jha, B. K. Dutta and B. S. Deelip Kumar	Rhizosphere	2018	0	0	Gauhati University
Optimization of culture conditions for antimetabolite production by a rare tea garden actinobacterial	M. Alam and D. K. Jha	African Journal of Clinical and Experimental Microbiology 20(3): 209220	2019	0	0	Gauhati University

isolate, A mycolatopsis sp.						
Impatiens kamrupana (Balsamina ceae): a new species from Assam, India.	S. Borah, J. Sarma and R. Gogoi	Phytotaxa	2019	0	0	Gauhati University
Monolophus coenobialis (Zingiberaceae), a new addition to the flora of India from Arunachal Pradesh	S. Borah, R. Gogoi, J. D. Mood and J. Dihingia	J. Jpn. Bot.	2019	0	0	Gauhati University
Phlogacanthus parviflorus T. Anders (Acanthaceae) A new addition to the Flora of Assam .	Dutta B. Nath N.	Journal of Emerging Technologies and Innovative Research	2019	0	0	Gauhati University
Effect of various acid concentrations on seed germination of Sapindus mukorossi Gaertn.	Gogoi, P. Begum, K. Laskar, R. Deka, K.Nath N.	Research Journal of Social and Life Sciences	2019	0	0	Gauhati University
Ethnobotany of Nugin and Poro Rice Beer of missing Tribe of Dibrugarh District, Assam	Gogoi , P N. Nath.	Ajanta.	2018	0	0	Gauhati University
Phytoassisted rapid biosynthesis of	Das, S Sharma R Nath NKalita	International Journal Of Scientific	2019	0	0	Gauhati University

silver nanoparticles using leaf extract of <i>Croton caudatus</i> Geisel and assessment of their dye degradation and antibacterial activity.	MC:	Research and Reviews				
Palynotaxonomy of some species of Lythraceae from Jalukbari Area, Assam	Laskar R. Nath N Devi N.:	Ajanta .	2018	0	0	Gauhati University
Epidermal and palynological study of some species of Rutaceae under the Tribe Clausenaceae.	Begum, K. Nath N	Journal of Emerging Technologies and Innovative Research 6 (5): 636645. ISSN: 23495162	2019	0	0	Gauhati University
Foliar epidermal characters and petiole anatomy of two species of Phlogacanthus (Acanthaceae) from Assam.	Dutta B. Nath N	Research Journal of Social and Life Sciences.	2019	0	0	Gauhati University
An aspartate specific binding protein regulates protein kinase activity to control	N Bhattacharyya, I N Nkumama, Z Newland Smith, LY Lin, W Yin, RE Cullen, JS Griffiths, AR.	mBio	2018	0	0	Gauhati University

glutamate metabolism in Mycobacteria.	Jarvis, MJ Price, PY Chong, R Wallis, HM O'Hare					
Iodine as a very powerful catalyst for three component synthesis of protected homoallylic amines	P. Phukan	The Journal of Organic Chemistry	2019	25	139	Gauhati University
Synthesis of highly stable CoFe <sub>2</sub> O <sub>4</sub> nanoparticles and their use as magnetically separable catalyst for Knoevenagel reaction in aqueous medium	K.K. Senapati, C. Borgohain, P. Phukan	Journal of Molecular Catalysis A: Chemical	2019	25	136	Gauhati University
Use of bromine and bromoorganic compounds in organic synthesis	I. Saikia, A.J. Borah, P. Phukan	Chemical Reviews	2019	25	116	Gauhati University
Self-assembly in systems of subcomponents: Simple rules, subtle consequences	R.J. Sarma, J.R. Nitschke	Angewandte Chemie International Edition	2018	21	56	Gauhati University
Pharmaceutical cocrystals and poorly soluble drugs	R. Thakuria, A. Delori, W. Jones, M.P. Lipert, L. Roy, N. RodríguezHor	International Journal of Pharmaceutics	2018	15	363	Gauhati University

	nedo					
Photoactivated DNA cleavage and anticancer activity of pyrenyl terpyridine lanthanide complexes	A. Hussain, S. Gadadhar, T.K. Goswami, A.A. Karande, A.R. Chakravarty	European Journal of Medicinal Chemistry	2019	11	62	Gauhati University
Determination of relative configuration from residual chemical shift anisotropy	N. Nath, M. Schmidt, R. R Gil, R T. Williams, G. E Martin, A. Navarro Vázquez, C. Griesinger, Y. Liu	Journal of the American Chemical Society	2018	9	51	Gauhati University
Speech recognition with reference to Assamese language using novel fusion technique	Sruti Sruba Bharali, Sanjib Kr. Kalita	International Journal of Speech Technology (ISSN: 13812416 (Print) 15728110 (Online))	2018	3	4	Gauhati University
Efficiency of Marketing Channels of Horticultural Crops: A Study of Assam'	Amiya Sarma and M P Bezbaruah	Indian Journal of Agricultural Marketing	2018	0	0	Gauhati University
Development Transition of a Riverine Tribe: A Study of the Misings in the Brahmaputra Valley'	M P Bezbaruah	Indian Journal of Human Development (Sage Publications)	2018	0	0	Gauhati University

Towards an Optimum Mobilisation of Resources for Conservation of an Environmental Amenity: A Case Study of Kaziranga National Park, India	M P Bezbaruah	International Journal of Ecological Economics and Statistics	2018	0	0	Gauhati University
Global Economic Integration of India's Economy: Trends, Channels and Facilitating Factors	Dilip Saikia and Nivedita Goswami	Journal of International Economics	2018	0	0	Gauhati University
Effect of Entrepreneurial networks on Small Firm performance in Kamrup, a district of Assam	Mandakini Das and Nivedita Goswami	Journal of Global Entrepreneurship Research (Springer)	2019	0	0	Gauhati University
Impact of Maternal Education on Institutional Delivery in Assam	Dipanjali Haloi and RD Baruah	Assam Economic Review, Vol. 12, March 2018	2018	0	0	Gauhati University
Progress of SHG Bank Linkage Program in Assam: An Interbank Analysis	Dipti Baishya and Ratul Mahanta	Assam Economic Review, Vol. 12, March 2018	2018	0	0	Gauhati University
Change in Employment from Farm to Nonfarm Activities	Amiya Sarma	Assam Economic Review, Vol. 12, March 2018	2018	0	0	Gauhati University

: A Study in Assam						
Understanding Two Demand Systems Theoretical and Empirical Evidences	Bandana Chowdhury	Assam Economic Review, Vol. 12, March 2018	2018	0	0	Gauhati University
Toxic Trace Metals in the Surface Water Sources of Jia-Bharali river basin, North Brahmaputra Plain, India—A Hydrochemical Elucidation	Parag Phukan	Water Resources	2019	3	0	Gauhati University
Mid-late Holocene fluvial aggradational landforms and morphometric investigations in the southern front of the Shillong plateau, NE India	Sarat Phukan	Journal of Earth System Science	2019	3	0	Gauhati University
Downstream channel changes and the likely impacts of flow augmentation by a hydropower project in River Dikrong,	Sarat Phukan	International Journal of River Basin Management	2018	3	2	Gauhati University



India							
Monazite and xenotime U-Th-Pb total ages from basement rocks of the (central) Shillong-Meghalaya Gneissic Complex, Northeast India	Pranjit Hazarika	Journal of Earth System Science	2019	7	0	Gauhati University	
Nature and source of the oreforming fluids associated with orogenic gold deposits in the Dharwar Craton	Pranjit Hazarika	Geological Magazine	2018	7	5	Gauhati University	
Arsenic fate in the Brahma putra river basin aquifers: Controls of geogenic processes, provenance and waterrock interactions	Runti Choudhury	Applied Geochemistry	2019	9	1	Gauhati University	
The Impact of Aquifer Flushing on Groundwater Arsenic Across a 35km Transect Perpendicular	Runti Choudhury	Water Resources Research	2018	9	2	Gauhati University	

ar to the Upper Brahmaputra River in Assam, India							
Effect of microwave heat on the nutritional properties of infected red kidney beans	Utpal Sarma	IEEE Access	2018	6	0	Gauhati University	
Emulating the Statistical Properties of Indoor Power Line Colored Background Noise for Development of a Power Line Noise Simulator	Utpal Sarma	Journal of Circuits, Systems and Computers	2019	6	0	Gauhati University	
Studies on change of strain developed in different wood samples due to change in relative humidity	Utpal Sarma	Sensing and BioSensing Research	2018	6	0	Gauhati University	
Design and Characterization of a Fringing Field Capacitive Soil Moisture Sensor	Utpal Sarma	IEEE Transactions on Instrumentation and Measurement	2018	6	1	Gauhati University	
An Alternate Method for Prediction and	Utpal Sarma	Arabian Journal for Science and Engine	2018	6	0	Gauhati University	

Analysis of Notch Characteristics in Indoor Power Lines Under Varied Channel Conditions		ering				
WSN Based Embedded System For Field Parameter Monitoring Inside A LowCost Polyhouse	Utpal Sarma	International Journal of Sensors, Wireless Communication and Controls	2019	6	0	Gauhati University
Studies on change of strain developed in different wood samples due to change in relative humidity	Kunjalata Kalita	Sensing and BioSensing Research	2018	3	0	Gauhati University
Design and Characterization of a Fringing Field Capacitive Soil Moisture Sensor	Manash Protim Goswami	IEEE Transactions on Instrumentation and Measurement	2018	1	1	Gauhati University
WSN Based Embedded System For Field Parameter Monitoring Inside A LowCost Polyhouse	Manash Protim Goswami	International Journal of Sensors, Wireless Communication and Controls	2019	1	0	Gauhati University
A 2D Evaluation of Altmetrics Influence in	Deepjyoti Kalita, Dipen Deka, Tilak Hazarika	Journal of Scientometric Research, EISSN: 23200059	2019	0	0	Gauhati University

Citation Growth: Case Study of Indian Research Articles in PLoS Journals						
Mapping the Research Publication Pattern of Faculties of Library and Information Science Department, Mizoram University, Aizawl From 2008-2017: A Bibliometric Study	Ravi Kumar Shukla, Sanjay Kumar Singh, Manoj Kumar Verma	Library Philosophy and Practice (eJournal)	2019	0	0	Gauhati University
Citation Analysis of Doctoral Theses of Physics: A Bibliometrics Study	Mithu Anjali Gayan, Sanjay Kumar Singh	Library Philosophy and Practice (eJournal)	2019	0	0	Gauhati University
Argument Indexation in Hakhun Tangsa	Krishna Boro	Himalayan Linguistics	2019	1	3	Gauhati University
Characteristics of Visible Light Communication Using Light Emitting Diodes	Chatterjee, S. Baishya, R. Email, Khan, K. Sarma, P., Tiru, B.	Lecture Notes in Networks and Systems	2018	2	0	Gauhati University
Characteristics of Visible Light Communication Using Light Emitting Diodes	Chatterjee, S, Tiru, B..	IEEE Xplore	2018	2	0	Gauhati University

Emulating the Statistical Properties of Indoor Power Line Colored Background Noise for Development of a Power Line Noise Simulator	Baishya, RTiru, B. Sarma, U	Journal of Circuits Systems and Computers	2018	2	0	Gauhati University
AZO (Al: ZnO) thin films with high figure of merit as stable indium free transparent conducting oxide	Bikash Sarma, Dipak Barman, Bimal K. Sarma	Applied Surface Science	2019	9	4	Gauhati University
Microstructural evolution and optical dispersion of sputtered ZnO thin films at low annealing temperature	Bikash Sarma, Pradhyut Rajkumar, Bimal K. Sarma	Materials Research Express	2019	0	0	Gauhati University
VR CCD photometry of variable stars in globular cluster NGC 4147	Lata et. al. (including Medhi, Biman J.)	Astronomical Journal (AJ)	2019	1	1	Gauhati University
Bok globule CB 17: polarization, extinction and distance	Choudhury, G.B., Barman, A., Das, H.S., Medhi, B.J.	MNRAS	2019	0	0	Gauhati University
Influence	D.C. Deka,	Journal of	2019	1	1	Gauhati

of capping agent on the structural, optical and photocatalytic properties of ZnS nanocrystals	A. Kalita, S. Bardaloi, M.P.C.Kalita (corresponding author)	Luminescence (Elsevier Publication)				University
Microstructural, optical, magnetic and photocatalytic properties of Mn doped ZnO nanocrystals of different sizes	A. Kalita, M.P.C. Kalita (corresponding author)	Physica B (Elsevier Publication)	2019	2	2	Gauhati University
Structural phase controlled transition metal (Fe, Co, Ni, Mn) doping in CdS nanocrystals and their structural, optical, magnetic and photocatalytic properties	K. Deka, M.P.C. Kalita (corresponding author)	Journal of Alloys and Compounds (Elsevier Publication)	2018	8	8	Gauhati University
Silver ion concentration dependent properties of silver nanostructured nanocomposite films	S Deb and D Sarkar	Journal of Optoelectronics and Advanced Materials	2019	0	0	Gauhati University
Reawakening of GRS 1716249 after 23 years, observed by	Bharali P, Chandra S, Chauhan J, Garcia JA, Roy J, Boettcher M Boruah K	Monthly Notices of the Royal Astronomical Society, Volume	2019	0	0	Gauhati University

Swift/XRT and NuSTAR		487, Issue 3, P. 31503161.				
Modeling aperiodic magnetospheric oscillations	Murchana Khusroo and Madhurjya P Bora	Physical Review E	2019	0	0	Gauhati University
Photoemission driven electron twostream instability (ETSI) and evolution of plasma sheath	Suniti Changmai and Madhurjya P Bora	Physics of Plasmas	2019	0	0	Gauhati University
Dust levitation in an inverse sheath	Rinku Deka and Madhurjya P Bora	Physics of Plasmas	2018	0	1	Gauhati University
Graphene oxide based soil moisture sensor for in situ agriculture applications.	Vinay S.Palaparthy, Hemen Kalita, Sandeep G.Suryad, Maryam Shojaei Baghinie, M.Asalam	Sensors Actuators B: Chemical	2018	7	9	Gauhati University
Color reconnection as a possible mechanism of intermittency in the emission spectra of charged particles in PYTHIA generated high multiplicity pp collisions at energies available at the CERN Large Hadron	Pranjal Sarma Buddhadeb Bhattacharjee	Physical Review C	2019	79	0	Gauhati University

Collider						
Multiplicity dependence of lightflavor hadron production in pp collisions at $\sqrt{s} = 7$ TeV	S. Acharya... B. Bhattacharjee et. al (ALICE Collaboration)	Physical Review C	2019	79	9	Gauhati University
Transverse momentum spectra and nuclear modification factors of charged particles in pp, pPb and PbPb collisions at the LHC	S. Acharya... B. Bhattacharjee et. al (ALICE Collaboration)	Journal of High Energy Physics	2018	197	12	Gauhati University
A New Three parameter PoissonLindley distribution for modelling overdispersed count data	Das, Kishore Kumar., Ahmed, Inzamul and Bhattacharjee, Sahana	International Journal of Applied Engineering Research (ICI indexed))	2018	0	0	Gauhati University
Wrapped Length Biased Weighted Exponential Distribution	Sahana Bhattacharjee and Dimpee Borah	Thailand Statistician (Scopus indexed)	2019	0	0	Gauhati University
Weibull Distribution as an Actuarial Risk Model	Jagriti Das and Dilip C Nath	Journal of Data Science	2019	0	0	Gauhati University
Statistical inference on traffic intensity in an M/M/1 queuing	Choudhury, A. and Basak, A	International Journal of Management Science and Engineering Management	2018	0	4	Gauhati University



system							
Bayesian inference and prediction in single server M/M/1 queuing model based on queue length	Basak, A. and Choudhury, A.	Communications in Statistics - Simulation and Computation	2019	0	0	Gauhati University	
Memristive, memcapacitive and meminductive behavior of single and codoped cadmium selenide nanocomposites under different doping environment	Prof. Pranayee Datta	Journal of Materials Science: Materials in Electronics	2018	7	1	Gauhati University	
Ultrasensitive fluorescence detection of Fe <sup>3+</sup> ions using fluorescein isothiocyanate functionalized Ag/SiO <sub>2</sub> /SiO <sub>2</sub> core-shell nanocomposites	Prof. Pranayee Datta	Journal of Materials Science: Materials in Electronics	2019	7	0	Gauhati University Gauhati University	
Shell thickness dependent photocatalytic activity of EDTA assisted Ag/ZnO core-shell nanoparticles under	Prof. Pranayee Datta	Materials Research Express	2019	7	1	Gauhati University	

sunlight irradiation						
Optically sensitive IV properties of CdS and CdS:Cu quantum dots	Prof. Pranayee Datta	Materials Research Express	2018	7	1	Gauhati University
Nonlinear model of nanoscale devices for memory application	Prof. Pranayee Datta	Indian Journal of Physics	2018	7	0	Gauhati University
OptoElectronic Properties of Green Synthesized ZnS Nanostructures	Prof. Pranayee Datta	International Journal of Nanoscience	2018	7	0	Gauhati University
A Study on Dielectric Properties of Cadmium Sulfide-Zinc Sulfide Core-Shell Nanocomposites for Application as Nanoelectronic Filter Component in the Microwave Domain	Prof. Pranayee Datta	Journal of Electronic Materials	2018	7	1	Gauhati University
Yagi-Uda nanoantenna For NIR domain	Prof. Pranayee Datta	Journal of Computational Electronics	2018	7	0	Gauhati University
Noncontact method based on intensity modulation of light for measurement of vibration of a thin cantilever	Prof. Tulshi Bezboruah	IET Science, Measurement and Technology	2019	8	0	Gauhati University

beam						
Oblique fed ring antenna mounted in car headlight for automotive applications	Prof. Tulshi Bezboruah	Electronic Letters	2019	8	0	Gauhati University
A Study on and ? Optimization Parameter and Phase Margin of Fourth Order Phase Locked Loop	Prof. Tulshi Bezboruah	INTERNATIONAL JOURNAL OF COMPUTER SCIENCES AND ENGINEERING	2018	8	0	Gauhati University
Some Aspects of Reliability Evaluation of Multi Service Multifunctional SOAP Based Web Services	Prof. Tulshi Bezboruah	International Journal of Information Retrieval Research	2018	8	0	Gauhati University
Low Cost Refractive Index Sensor with Optical Fibers Attached to a Ushaped Glass Tube	Prof. Tulshi Bezboruah	IEEE Sensors Journal	2018	8	0	Gauhati University
A RealTime Data Acquisition System for Monitoring Sensor Data	Prof. Tulshi Bezboruah	INTERNATIONAL JOURNAL OF COMPUTER SCIENCES AND ENGINEERING	2018	8	0	Gauhati University
Lecture Notes in Electrical Engineering	Prof. Tulshi Bezboruah	Lecture Notes in Electrical Engineering	2018	8	0	Gauhati University

A Novel Optical Method to Measure Weight by Using Linear Extension Spring	Prof. Tulshi Bezboruah	IEEE Sensors Letters	2018	8	0	Gauhati University
LowCost Refractive Index Sensor With Optical Fibers Attached to a UShaped Glass Tube	Dr. Hidam Kumarjit Singh	IEEE Sensors Letters	2018	6	0	Gauhati University
A Novel Optical Method to Measure Weight by Using Linear Extension Spring	Dr. Hidam Kumarjit Singh	IEEE Sensors Letters	2018	6	0	Gauhati University
Fiber Optic Capillary Flow Viscometer	Dr. Hidam Kumarjit Singh	IEEE Sensors Letters	2018	6	0	Gauhati University
A Novel Optical Method to Measure Weight by Using Linear Extension Spring	Dr. Ram Kishore Roy	IEEE Sensors Letters	2018	1	0	Gauhati University
Noncontact method based on intensity modulation of light for measurement of vibration of a thin cantilever beam	Dr. Ram Kishore Roy	IET Science, Measurement and Technology	2019	1	0	Gauhati University

A Brief Review on Memristive Biosensors	Dr. Hirendra Das	Global Journal of Nanomedicine	2018	1	0	Gauhati University
Optically sensitive IV properties of CdS and CdS:Cu quantum dots	Dr. Hirendra Das	Materials Research Express	2018	1	0	Gauhati University
Revisiting the tenancy in efficiency question with an intertemporal optimization framework	M P Bezbaruah	Journal of Social and Economic Development (Springer)	2018	0	0	Gauhati University

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#### 3.4.7 – Faculty participation in Seminars/Conferences and Symposia during the year

Number of Faculty	International	National	State	Local
Attended/Seminars/Workshops	91	208	25	29
Presented papers	71	201	2	0
Resource persons	52	165	85	36

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### 3.5 – Consultancy

#### 3.5.1 – Revenue generated from Consultancy during the year

Name of the Consultant(s) department	Name of consultancy project	Consulting/Sponsoring Agency	Revenue generated (amount in rupees)
SAIF, Instrumentation and USIC	XRD, SCD, XRF	DST, GoI	305205
Ankuran Dutta, Communication Journalism	Skill Development through CRS in Bangladesh	CEMCA, New Delhi	80000

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#### 3.5.2 – Revenue generated from Corporate Training by the institution during the year

Name of the Consultant(s) department	Title of the programme	Agency seeking / training	Revenue generated (amount in rupees)	Number of trainees
<b>No Data Entered/Not Applicable !!!</b>				

No file uploaded.

### 3.6 – Extension Activities

3.6.1 – Number of extension and outreach programmes conducted in collaboration with industry, community and Non- Government Organisations through NSS/NCC/Red cross/Youth Red Cross (YRC) etc., during the year

Title of the activities	Organising unit/agency/ collaborating agency	Number of teachers participated in such activities	Number of students participated in such activities
PreIndependence Day Celebrations	Gauhati University NSS Cell	10	250
Swachhata hi Sewa (SHS) 2018	Gauhati University NSS Cell	15	100
Universitylevel Mega CampcumOrientation Programme	Gauhati University NSS Cell	70	280
Surgical Strike Day	Gauhati University NSS Cell	20	200
Village Awareness Programme at Jumpita Village, Rani Development Block	Department of Commerce, Gauhati University	8	35
Teaching of English and Assamese to the children of classes I (One), II (Two) and III (Three) by using bilingual approach to language teaching	English Language Teaching, in collaboration with Block Elementary Education Officer, Dudhnoi, Goalpara All Rabha Students' Union, Dudhnoi, Goalpara Headmasters and teachers of five primary schools, and Department of Linguistics, GU	1	15
Outreach programme	English Language Teaching, ELTAI, Gauhati Chapter in collaboration with Department of ELT, GU at Nambari High School, Guwahati	6	40
English Language Proficiency of ATCOs	English, Airports Authority of India (Gopinath Bordoloi International Airport, Borjhar, Guwahati)	2	30
7th School on System Design Using Microcontroller	Dept. of Instrumentation and USIC	1	32

One day training program on Industrial Automation	Dept. of Instrumentation and USIC	1	26
Green Revolution	Department of Sociology	5	90
Workshop on 25th May, 2018 on 'Moving People with Movies'	Womens Studies in collaboration with Youth facilitators/ Young changemakers/ Organisations/ NSS Volunteers organized by We Are Young Foundation	1	35

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3.6.2 – Awards and recognition received for extension activities from Government and other recognized bodies during the year

Name of the activity	Award/Recognition	Awarding Bodies	Number of students Benefited
Selected for Republic Day Parade Camp 2019	Republic Day Parade	Govt of India	2
National Integration Camp 2018	Participation	Jamia Millia Islamia University	10
National Integration Camp 2019 and 15th Pravasi Bharatiya Divas	Participation	Benaras Hindu University	7
NITTE Namaste Solidarity Programme (NNSP) 2019	Participation	Mangalore	6
Statelevel National Youth Parliament 2019	Participation	Gauhati University	2
National Youth Parliament 2019	Participation	Govt of India	2
North East NSS Festival	Participation	Assam Don Bosco University	20
North East NSS Festival	Participation	Itanagar, Arunachal Pradesh	63
Mime, Geography	Ustad Bismilla Khan Youth Award	Ministry of Cultural affairs, GOI	1

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3.6.3 – Students participating in extension activities with Government Organisations, Non-Government Organisations and programmes such as Swachh Bharat, Aids Awareness, Gender Issue, etc. during the year

Name of the scheme	Organising unit/Agen	Name of the activity	Number of teachers	Number of students
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	cy/collaborating agency		participated in such activities	participated in such activities
Swachh Bharat	MIL LS with PGSU	Campus Cleaning	2	30
Swachh Bharat	Sanskrit with PGSU	Campus Cleaning	2	35
Flood Relief	Sociology with Corbett Foundation	Flood relief	5	15
Swachh Bharat	Sociology with PGSU	Campus Cleaning	5	90
Sunday drive	Sociology with Feeding India	Sunday drive	0	10
Teach for India	Sociology with Teach for India	Teaching in rural area	0	1
Snehalaya	Sociology with Snehalaya	Child rights	0	3
Prayash	Sociology with Prayash	Social services	0	1
Swachh Bharat	Statistics with PGSU	Swachh Bharat	6	59
"Moving people with Movies"	Womens Studies with Way Foundation	Interactive session	1	35
"Doing Research on Gender in Northeast India: Reflections and Experiences"	Womens Studies with Dr. Dolly Kikon	Interactive session	1	56
Visits to organisations working on Gender Issues	Womens Studies with NorthEast Affected Area Development Society (NEADS)	Interactive session	1	28
Visits to organisations working on Gender Issues	Womens Studies with Mothers Club	Interactive session	1	28
Visits to organisations working on Gender Issues	Womens Studies with Prerona	Interactive session	1	28
Visits to organisations working on Gender Issues	Womens Studies with Social Educational Welfare Association (SEWA)	Interactive session	1	28
Visits to organisations	Womens Studies with Women	Interactive session	1	28



working on Gender Issues	Against Social Evils (WASE)			
Visits to organisations working on Gender Issues	Womens Studies with Parijat Academy	Interactive session	1	14
Visits to organisations working on Gender Issues	Womens Studies with Ashadeep	Interactive session	1	13
National Children Science Congress	Anthropology	Teacher Guide Training	0	1
Swachh Bharat	Botany with PGSU	Gauhati University Campus cleaning drive	10	100
Swachh Bharat	English with PGSU	Various activities revolving around the concept of Swachhta	7	30
National Science Day celebration	Department of Environmental Science	Plastic Pollution awareness rally and brainstorming session	4	70
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### 3.7 – Collaborations

#### 3.7.1 – Number of Collaborative activities for research, faculty exchange, student exchange during the year

Nature of activity	Participant	Source of financial support	Duration
TEQIP Collaborative Research Scheme	Dr. Pranesh Das	TEQIP	1
TEQIP Collaborative Research Scheme	Ramesh Saha	TEQIP	1
TEQIP Collaborative Research Scheme	Rajdeep Ghosh	TEQIP	1
Faculty Internship	Kishore Kashyap	TEQIP	10
Teachers Associateship for Research Excellence (TARE), National Atmospheric Research Laboratory. Tirupati	Dr. Banty Tiru	SERB	2
Accelerator related experiment	Dr. Kushal Kalita	IUAC	1

Collaborative research with BARC, Mumbai	Research Scholar Ms. Priya Bharali	Self	6
Training on isolation and identification of fish virus	Two JRF	DBT, Govt. of India	38
Research collaboration with King's College London, U.K.	Dr. S. Ghosh	Newton Alumni Fund	2
DBT Overseas	Dr. Diganta Narzary	DBT, Govt. of India	1
Research training	Dr. Madhurjya Modhur Borgohain	IISc, Gauhati University	2
Faculty Exchange	Swarna Prabha Chainary	Kokrajhar Govt. College	1
Faculty Exchange	Swarna Prabha Chainary	Cotton University	1
Faculty Exchange	Swarna Prabha Chainary	Rangia College	1
Research collaboration with Dr. R. L. Goswami, CSIRNEIST, Jorhat, Assam	Dr. R. J. Sarma	N/A	1
Research collaboration with Coochbehar Panchanan Barma University, West Bengal	Dr. S. Ghosh	N/A	1
Research collaboration with Max Planck Institute for Biophysical Chemistry, Goettingen	Dr. N. Nath	N/A	3
Student Dissertation and project at NIT Silchar	4 Nos. of B.Tech students	TEQIP III	1
Hackathon, NIT Silchar	Semesters-III, IV, V B.Tech students	TEQIP III	1
Workshop on IOT	B. Tech, M.Tech students, Research Scholars (E & ICT Academy, IITG)	TEQIP III	5
Workshop on Innovation	B. Tech, M.Tech students, Research Scholars (CDAC, NIT Silchar, AEC)	TEQIP III	5

Workshop on Machine Learning	B. Tech, M.Tech students, Research Scholars (E & ICT Academy, IITG)	TEQIP III	5
Workshop on Machine Learning and Python	B. Tech, M.Tech students, Research Scholars (NIT Silchar)	TEQIP III	10
Workshop on Technical writing using latex	B. Tech, M.Tech students, Research Scholars (NIT Silchar)	TEQIP III	2
Workshop on Patch Antenna design using HFSS	B. Tech, M.Tech students, Research Scholars (NIT Silchar)	TEQIP III	5
Student Exchange	Daisy Barman	DORA Research Programme of European Union	10
Faculty Exchange	Prof. A C Mahapatra	UGC	1
TEQIP Collaborative Research Scheme	Tanuja Das	TEQIP	1
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3.7.2 – Linkages with institutions/industries for internship, on-the- job training, project work, sharing of research facilities etc. during the year

Nature of linkage	Title of the linkage	Name of the partnering institution/ industry /research lab with contact details	Duration From	Duration To	Participant
Collaborative research	Research	IIT, Guwahati	01/08/2018	30/09/2019	5
Collaborative research	Research Internship	IASST, Guwahati	06/08/2018	31/08/2019	5
Collaborative research	Research Internship	IASST, Guwahati	16/08/2019	31/12/2019	5
As an External Researcher	DBT Associate ship	Yokohama Institute for Earth Sciences (JAMSTEC), Yokohama Phone 0457785459	01/09/2018	31/08/2019	1
Research and internship academic exchange	Research and internship (existing MOU)	Indian Institute of Entrepreneurship (IIE), Guwahati	01/08/2018	31/12/2019	50

Internship cum Final year project	Workshop/Internship(summer, winter) /Projects/ sharing of research facilities/field work	Assam Don Bosco University, Guwahati	01/08/2018	31/12/2019	20
Sharing of research facilities	Workshop/Internship(summer, winter) /Projects/ sharing of research facilities/field work	Technical University, Sofia, Bulgaria	01/08/2018	31/12/2019	5
Internship	Workshop/Internship(summer, winter) /Projects/ sharing of research facilities/field work	OIL	01/08/2018	31/12/2019	10
Internship	Workshop/Internship(summer, winter) /Projects/ sharing of research facilities/field work	BSNL	01/08/2018	31/12/2019	10
Workshop	Workshop/Internship(summer, winter) /Projects/ sharing of research facilities/field work	E and ICT Academy, IIT Guwahati	01/08/2018	31/12/2019	50
Sharing of research facilities	Workshop/Internship(summer, winter) /Projects/ sharing of research facilities/field work	ST. Petersburg Technical University, Russia	01/08/2018	31/12/2019	10
Workshop	Workshop/Internship(summer, winter) /Projects/ sharing of research facilities/field work	National Instruments	01/08/2018	31/12/2019	30

	d work				
Data analytic center	Workshop/Internship(summer, winter) /Projects/ sharing of research facilities/field work	KOVID (BIG data ) academy	01/08/2018	31/12/2019	20
Internship	Workshop/Internship(summer, winter) /Projects/ sharing of research facilities/field work	ST Microelectronics	01/08/2018	31/12/2019	10
Internship	Workshop/Internship(summer, winter) /Projects/ sharing of research facilities/field work	Hindustan petroleum	01/08/2018	31/12/2019	10
Internship	Workshop/Internship(summer, winter) /Projects/ sharing of research facilities/field work	Assam Police Radio Organization (APRO)	01/08/2018	31/12/2019	15
Internship	Workshop/Internship(summer, winter) /Projects/ sharing of research facilities/field work	Airport Authority of India	01/08/2018	31/12/2019	10
Internship	Workshop/Internship(summer, winter) /Projects/ sharing of research facilities/field work	All India Radio	01/08/2018	31/12/2019	5
Internship	Workshop/Internship(summer, winter) /Projects/ sharing of research facilities/field work	APDCL	01/08/2018	31/12/2019	10

	ilities/field work				
Internship	Workshop/Internship(summer, winter) /Projects/ sharing of research facilities/field work	Telecom Sector Skill Council (TSSC)	01/08/2018	31/12/2019	10
Internship cum Final year project	Workshop/Internship(summer, winter) /Projects/ sharing of research facilities/field work	SCL Mohali	01/08/2018	31/12/2019	5
Sharing of research facilities, workshop	Workshop/Internship(summer, winter) /Projects/ sharing of research facilities/field work	NIT Silchar	01/08/2018	31/12/2019	10
Project work and sharing of research facilities	Research	Anundooram Barooah Institute of Language, Art and Culture	01/04/2018	31/12/2019	15
Research using BSIP lab facilities	Research	Birbal Sahni Institute of Paleobotany	01/08/2018	16/11/2019	1
Internship	Project work	Amity University	01/02/2019	28/02/2019	1
Training	Industrial Training	Assam Police Radio Operator	01/07/2019	31/07/2019	19
TARE fellowship	Research	National Atmospheric Research Laboratory, Tirupati	01/04/2018	31/12/2019	1
Internship	Project work	Dr. B. Borooah Cancer Institute, Guwahati	01/09/2018	31/08/2019	4
Internship	Project work	Tata Memorial Hospital,	17/09/2018	16/09/2019	2

		Mumbai			
Internship	Project Work	Medanta Medicity, Gurgaon, New Delhi	04/06/2018	03/05/2019	1
Internship	Project Work	Inlaks Budhrani Hospital, Pune	05/09/2018	04/09/2019	1
Collaborative research	Research	CERN, Geneva, Switzerland	01/07/2018	30/06/2019	3
Collaborative research	Research	GSI, Darmstadt, Germany	01/07/2018	30/06/2019	2
Collaborative research	Research	Variable Energy Cyclotron Center, Kolkata	01/07/2018	30/06/2019	3
Collaborative research	Research	Bose Institute, Kolkata	01/07/2018	30/06/2019	3
Collaborative research	Research	Saha Institute of Nuclear Physics , Kolkata	01/07/2018	30/06/2019	3
Collaborative research	Research	National Institute of Science Education and Research, Bhubaneswar	01/07/2018	30/06/2019	3
Collaborative research	Research	Indian Institute of Technology Bombay	01/07/2018	30/06/2019	3
Collaborative research	Research	Indian Institute of Technology, I ndore	01/07/2018	30/06/2019	3
Collaborative research	Research	Aligarh Muslim University, Aligarh	01/07/2018	30/06/2019	3
Collaborative research	Research	Jammu University, Jammu	01/07/2018	30/06/2019	3
Collaborative research	Research	Institute of Physics,	01/07/2018	30/06/2019	3

		Bhubaneswar			
Collaborative research	Research	Punjab University, Chandigarh	01/07/2018	30/06/2019	3
Collaborative research	Research	Rajasthan University, Jaipur	01/07/2018	30/06/2019	3
Internship	Exposure Orientation	LGBRIMH , Tezpur	01/04/2019	15/04/2019	28
Internship	Project work	Maitri livelihood pvt ltd	01/07/2018	31/07/2018	4
Internship	Project work	YUVA foundation	03/07/2018	29/07/2019	4
Internship	Project work	Shakti Vahini	13/03/2019	31/07/2019	1
Internship	Project work	Neaid	01/07/2018	30/09/2018	3
Internship	Project work	Shakti Vahini	01/03/2019	30/06/2019	1
Internship	Project work	Snehalaya	11/01/2018	16/02/2019	2
Internship	Project work	Parijat Academy	07/01/2019	19/01/2019	5
Internship	Internship	NIRD	03/01/2019	31/12/2019	3
Training	Research	NIRDPR, NERC, Guwahati	18/02/2019	21/02/2019	2
Training	Job Training	IITGuwahati	01/09/2018	19/01/2019	1
Training	Job Training	Piramal Foundation	01/02/2019	28/02/2019	0
Collaboration	Research	North East Network. Guwahati	01/01/2018	19/05/2019	1
Research Collaboration	Research	OIE Reference Laboratory	01/04/2018	31/12/2019	3
<a href="#">View File</a>					

3.7.3 – MoUs signed with institutions of national, international importance, other universities, industries, corporate houses etc. during the year

Organisation	Date of MoU signed	Purpose/Activities	Number of students/teachers participated under MoUs
Kagoshima University, Japan	22/11/2018	Both research and academic activities	20
Startup Assam	10/04/2019	Internship, startup, Innovation	200
Geological Survey of India	07/05/2019	Collaborative research	4
<a href="#">View File</a>			



## CRITERION IV – INFRASTRUCTURE AND LEARNING RESOURCES

### 4.1 – Physical Facilities

4.1.1 – Budget allocation, excluding salary for infrastructure augmentation during the year

Budget allocated for infrastructure augmentation	Budget utilized for infrastructure development
2769	1723

4.1.2 – Details of augmentation in infrastructure facilities during the year

Facilities	Existing or Newly Added
Campus Area	Existing
Class rooms	Newly Added
Laboratories	Newly Added
Seminar Halls	Newly Added
Classrooms with LCD facilities	Newly Added
Seminar halls with ICT facilities	Newly Added
Number of important equipments purchased (Greater than 1-0 lakh) during the current year	Newly Added
Value of the equipment purchased during the year (rs. in lakhs)	Newly Added

### 4.2 – Library as a Learning Resource

4.2.1 – Library is automated {Integrated Library Management System (ILMS)}

Name of the ILMS software	Nature of automation (fully or patially)	Version	Year of automation
SOUL	Fully	2.0.0.12	2009

4.2.2 – Library Services

Library Service Type	Existing		Newly Added		Total	
Text Books	271869	8770613	141	32909	272010	8803522
Reference Books	9417	262553	1	270	9418	262823
e-Books	82	704863	0	0	82	704863
Journals	715	6007033	0	30905	715	6037938
e-Journals	10756	4881951	1169	4084406	11925	8966357
Digital Database	9	0	1	4084406	10	4084406

[View File](#)

4.2.3 – E-content developed by teachers such as: e-PG- Pathshala, CEC (under e-PG- Pathshala CEC (Under Graduate) SWAYAM other MOOCs platform NPTEL/NMEICT/any other Government initiatives & institutional (Learning Management System (LMS) etc

Name of the Teacher	Name of the Module	Platform on which module is developed	Date of launching e-content
Seuji Sharma	Course 503: Language	D.E.L.ED.	09/08/2018

Seuji Sharma	Course 503: Language	D.E.L.ED.	22/08/2018
Seuji Sharma	Course 503: Language	D.E.L.ED.	18/09/2018
Seuji Sharma	Course 503: Language	D.E.L.ED.	27/09/2018

#### 4.3 – IT Infrastructure

##### 4.3.1 – Technology Upgradation (overall)

Type	Total Computers	Computer Lab	Internet	Browsing centers	Computer Centers	Office	Departments	Available Bandwidth (MGBPS)	Others
Existing	1557	27	1557	46	0	316	1241	1	0
Added	167	0	167	1	0	59	108	0	0
Total	1724	27	1724	47	0	375	1349	1	0

##### 4.3.2 – Bandwidth available of internet connection in the Institution (Leased line)

1 MBPS/ GBPS
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##### 4.3.3 – Facility for e-content

Name of the e-content development facility	Provide the link of the videos and media centre and recording facility
Audio and video production	<a href="http://web.gauhati.ac.in/radioluit/">http://web.gauhati.ac.in/radioluit/</a>

#### 4.4 – Maintenance of Campus Infrastructure

##### 4.4.1 – Expenditure incurred on maintenance of physical facilities and academic support facilities, excluding salary component, during the year

Assigned Budget on academic facilities	Expenditure incurred on maintenance of academic facilities	Assigned budget on physical facilities	Expenditure incurred on maintenance of physical facilities
5678	6302	1150	851

##### 4.4.2 – Procedures and policies for maintaining and utilizing physical, academic and support facilities - laboratory, library, sports complex, computers, classrooms etc. (maximum 500 words) (information to be available in institutional Website, provide link)

There are established systems and procedures for maintaining and utilizing physical, academic and support facilities laboratory, library, sports complex, computers, classrooms etc. Management and maintenance of physical facilities: Gauhati University has a works department with experienced manpower for maintaining civil and electrical works of various department and administrative branches. Management and maintenance of sports complex: In case of the sports complex and Library, all repairing and maintenance work is done by the engineering department in the same manner. Director of Students Welfare (DSW) conducts all the sporting and cultural events. Management and maintenance of Library: Books and journals are purchased in the library in the following way 1. Recommendations are sent to the Librarian from the concerned Department 2. Librarian checks availability in the existing holdings 3. If the library does not have the books recommended and sufficient funds are available then these are purchased directly. Computer purchases are made through a stepwise procedure: 1. Departments send their requirements to the Registrar's office 2. Tenders are invited on the basis of requirements 3. Tenders are reviewed by a

committee 4. After review tenders are placed in the tender committee for approval 5. The central purchase committee gives the final approval 6. Purchase order is placed Hostel Allotments Rule: Hostel facility is provided to the students and this process is guided by the following rules. 1. Application for admission into the University Halls is made to the Secretary, University Classes, G.U. in the prescribed application form. 2. The admission into the halls is subject to the availability of seats and fulfilment of norms as notified from time to time. Students are admitted into the halls generally at the beginning of each session. 3. No candidate shall be admitted into the Halls unless he/she has been admitted into any of the regular University courses. 4. The decision/recommendation of the Hall Admission Committee is final and binding on all applicants. Any undue pressure by any applicant may lead to rejection of their application for hall accommodation. Hospital facility hospital provides round the clock health services to the patients with limited facilities. The hospital also provides initial observation and treatment to the patients as and when required before referral. Gauhati University Hospital provides medical support during different activities of the University like sports programmes, activities of the students and employees, youth festivals, national and international seminars held in the University etc. Bus Service: The University provides the facility of a bus service to the students, staff and teachers. It is free of cost for the staff and teachers and a very nominal fare is charged from the students which is included in the utility fees paid by them. Estate Office: The Estate Officer appointed by the University undertakes the responsibility for the following either with its own employees or through outsourcing: Overseeing the infrastructure and ambience of Gauhati University including preservation of the flora and fauna. Annual Maintenance Contract (AMC) Expensive equipment and facilities are maintained under AMC.

<http://web.gauhati.ac.in/ssr/>

## CRITERION V – STUDENT SUPPORT AND PROGRESSION

### 5.1 – Student Support

#### 5.1.1 – Scholarships and Financial Support

	Name/Title of the scheme	Number of students	Amount in Rupees
Financial Support from institution	POOR STUDENTS AID FUND	33	165000
Financial Support from Other Sources			
a) National	Schemes as listed in the Excel Sheet attached for Post Graduation Students and Research Scholars	3737	8170776
b) International	0	0	0

[View File](#)

#### 5.1.2 – Number of capability enhancement and development schemes such as Soft skill development, Remedial coaching, Language lab, Bridge courses, Yoga, Meditation, Personal Counselling and Mentoring etc.,

Name of the capability enhancement scheme	Date of implemetation	Number of students enrolled	Agencies involved
Remedial Coaching	22/11/2018	65	1
Personal counselling and	05/03/2019	35	1

Mentoring			
Psychological Counselling	01/08/2018	28	1
Value Added Course on Academic writing WOM3074	01/08/2018	28	1
Value Added Course on Professional Skills Development WOM 4084	18/01/2019	24	1
Personal Counselling, Mentoring	06/02/2019	120	1
Yoga	13/08/2018	25	1
Meditation	30/08/2018	25	1
Remedial coaching	11/09/2018	30	1
International Yoga Day Celebration	21/06/2019	15	1
Mentoring	30/11/2018	176	1
Personal Counselling	30/11/2018	143	1
Language Lab	01/12/2018	12	1
capability enhancement scheme	04/12/2018	25	1
Remedial Coaching for third and fifth Semester B.Tech students	25/05/2019	45	1
GATE Coaching for 5th and 7th semester students	18/01/2019	30	1
Mentor Mentee	04/02/2019	15	1
Personal Counselling	12/02/2019	25	1
Personal counselling and mentoring	20/02/2019	60	1
Mentoring	01/08/2018	115	1
Personal Counseling	01/08/2018	98	1
Mentoring	04/01/2019	23	1
Introductory programme on SPSS and Data Analysis	25/04/2019	37	1
<a href="#">View File</a>			

5.1.3 – Students benefited by guidance for competitive examinations and career counselling offered by the institution during the year

Year	Name of the	Number of	Number of	Number of	Number of
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	scheme	benefited students for competitive examination	benefited students by career counseling activities	students who have passed in the comp. exam	students placed
2019	NSDC and Skill India ICT Academy -Career Counselling Workshop for students	370	370	0	0
2019	UGC NET	21	17	21	17
2019	Prospects	35	35	0	0
2019	NET, JRF, Higher studies	3	1	0	0
2019	UGC NET	21	17	21	17
2019	UGC JRF	4	4	4	0
2019	NET Guidance for Women's Studies	15	15	0	0
2019	Crash course or competitive examinations may 15-30, 2019	19	19	0	0

[View File](#)

5.1.4 – Institutional mechanism for transparency, timely redressal of student grievances, Prevention of sexual harassment and ragging cases during the year

Total grievances received	Number of grievances redressed	Avg. number of days for grievance redressal
22	7	28

## 5.2 – Student Progression

5.2.1 – Details of campus placement during the year

On campus			Off campus		
Name of organizations visited	Number of students participated	Number of students placed	Name of organizations visited	Number of students participated	Number of students placed
37	393	234		49	49

[View File](#)

5.2.2 – Student progression to higher education in percentage during the year

Year	Number of students enrolling into higher education	Programme graduated from	Department graduated from	Name of institution joined	Name of programme admitted to
2018	1	MA/MSc	Anthropology	Gauhati	Ph.D.

			, Gauhati University	University	
2018	3	MS (Physical Sc./Chemical Sc.)	APPLIED SCIENCES	(1) University of Bern, Switzerland, (2) Gauhati University	Ph.D.
2018	2	M. Tech. in MST	APPLIED SCIENCES	Gauhati University	Ph.D.
2018	10	MA	ARABIC	GU & CU	Ph.D.
2018	46	MA	Assamese	Gauhati University	Mphil, PhD, BEd, etc.
2019	3	MA	Bengali	Gauhati University	Ph.D.
2019	6	MA, GU	BODO, GU	Bodoland University, Kokrajhar	PhD
2019	26	MSc	Botany	Gauhati University	PhD
2019	7	M.Sc.	Chemistry	Gauhati University	PhD
2019	27	M.Com	department of commerce	Gauhati University	Mphil / PhD
2019	3	M. Tech	ECE	IIT, Guwahati, GU	PhD
2019	4	MA/MSc in Economics	Economics	Gauhati University	Mphil / PhD
2019	1	M.Sc.	ECE	IIT, Guwahati	PhD
2019	5	MA	English	Gauhati University	Mphil / PhD
2019	10	M Phil	Folklore Research	Gauhati University	PhD
2019	6	MA	Foreign Language	Gauhati University	PhD
2019	5	M.Sc.	Geological Sciences	Gauhati University	PhD
2019	9	MA	GU Hindi Department	Gauhati University	Mphil
2019	8	MA	History	Gauhati University	PhD
2019	2	MSC in Instrumentation	Instrumentation & USIC	Gauhati University	PhD
2019	10	M.Sc.	Department of Library and Information Science	Gauhati University	Mphil / PhD

2019	4	M.Sc Mathematics	Mathematics	Dibrugarh University, NIT, Agartala	PhD
2019	5	MA in CIL	MIL & LS	Gauhati University	MPhil/PhD
2019	3	MA	Philosophy	Gauhati University	PhD
2019	3	M.Sc.	Physics	Indian Institute of Technology Indore, Gauhati University	PhD
2019	3	MA	Women's Studies	Dr. Anita Baruah Sarmah College of Education	B.Ed
2019	3	M. Sc.	Zoology	IITG	PhD
2019	1	M. Sc.	ECT	IIIT	M.Tech
2019	2	MA	POLITICAL SCIENCE, GU	Gauhati University	MPhil/PhD
<a href="#">View File</a>					

5.2.3 – Students qualifying in state/ national/ international level examinations during the year  
(eg:NET/SET/SLET/GATE/GMAT/CAT/GRE/TOFEL/Civil Services/State Government Services)

Items	Number of students selected/ qualifying
NET	196
SET	9
SLET	99
GATE	24
CAT	1
Civil Services	29
Any Other	20
<a href="#">View File</a>	

5.2.4 – Sports and cultural activities / competitions organised at the institution level during the year

Activity	Level	Number of Participants
Lokarangam	State level	400
Jonaki Film Fest	National	550
Skit	Institutional	6
Mime	Institutional	6
Western Song	Institutional	6
Quiz : (Gold)	Institutional	3
Drama : ( Best Actress)	Institutional	7

Cricket (Organised by PGSU during Varsity Week	Institutional	500
Football (Organised by PGSU during Varsity Week	Institutional	540
Volleyball (Organised by PGSU during Varsity Week	Institutional	100
Basketball (Organised by PGSU during Varsity Week	Institutional	200
Mime (Organised by PGSU during Varsity Week	Institutional	120
Skit (Organised by PGSU during Varsity Week	Institutional	120
Drama (Organised by PGSU during Varsity Week	Institutional	200
Rongoli (Organised by PGSU during Varsity Week	Institutional	50
Carrom (Organised by PGSU during Varsity Week	Institutional	200
Arm wrestling (Organised by PGSU during Varsity Week	Institutional	100
Cartoon making(Organised by PGSU during Varsity Week	Institutional	50
Poster making(Organised by PGSU during Varsity Week	Institutional	40
painting (Organised by PGSU during Varsity Week	Institutional	40
Clay modelling (Organised by PGSU during Varsity Week	Institutional	40
weightlifting (Organised by PGSU during Varsity Week	Institutional	100
Bodybuilding (Organised by PGSU during Varsity Week	Institutional	30
Archery (Organised by PGSU during Varsity Week	Institutional	50
Miss GU (Organised by PGSU during Varsity Week	Institutional	48
Singing(Organised by PGSU during Varsity Week	Institutional	150
First Prize Shotput, second Prize Shotput, second Proze High Jump, second Prize 400 meters women, third proize 1500	Institutional	30



meters women, third prize high jump men, third prize 100 meters women		
GU inter College Atheletics meet 201819, Nalbari 2830 April 2019	Institutional	700
GU Inter College Badminton, GU, 2830 April 2019	Institutional	50
GU inter College Basketball Tournament , 23 May 2019	Institutional	57
GU inter College Basketball Tournament , 23 May 2019	State, Institutional	57
5th Intrnational Day of Yoga, 21 June 2019	State, Institutional	150
All assam Arm Wrestling Tournament, 2019	State, Institutional	23
<a href="#">View File</a>		

### 5.3 – Student Participation and Activities

5.3.1 – Number of awards/medals for outstanding performance in sports/cultural activities at national/international level (award for a team event should be counted as one)

Year	Name of the award/medal	National/ Internaional	Number of awards for Sports	Number of awards for Cultural	Student ID number	Name of the student
2019	Bronze Medal in All India Inter University Grappling Championsh ip,MD Univ ersity,Roh tak Haryana	National	1	0	BA 4th Semester	Jayraj Shyam
2019	1st in Best Cultural P rocession, East Zone Inter University Youth Festival	National	0	1	Not available	GU team
2018	Silver Medal in Squat, Dead lift, Bench Press	Internatio nal	1	0	B.Tech 7th Sem CSE	Murchana Saharia

	Overall category					
2018	Silver Medal in 84 kg Category	National	1	0	B.Tech 7th Sem CSE	Murchana Saharia
2018	2nd Prize in National Arm Wrestling Championship	National	1	0	B.Tech 6th Sem CSE	Nitamoni Kakati
2019	Bronze Medal in All India Inter University Grappling Championship, MD University, Rohtak Haryana	National	1	0	BA 6th Sem	Ramen Ray
2018	Silver Medal in All India Inter University Archery Tournament	National	1	0	BA 6th sem, BA 1st Sem	Mainasri Boro, Akhapwr Basumatary & Sonali Basumatary.
2019	2nd Prize Indian National Aainball team for participating in the World Cup-2019, Morocco	International	1	0	Not available	Mr. Naba Jyoti Baishya
2019	Silver Medal in 2nd All India Inter University Kickboxing Championship(81kg Category), Andhra University, Vishakhapatnam	National	1	0	BA 4th Semester	Shattrujit Kakoti
2019	Silver	National	1	0	BA 4th	Manuranjan

					Semester	Rabha
	Medal in 2nd All India Inter University Kickboxing Championship(71kg Category),Andhra University,Vishakhapatnam					
2019	Silver Medal in All India Inter University Grappling Championship,MD University,Rohatak Haryana	National	1	0	BA 4th Semester	Mukut Das
2019	1st in Cultural Procession , East Zone inter university youth festival,Chandigarh 2019	National	0	1	Not available	GU Team
2019	1st in Cultural Dance , East Zone inter university youth festival,Chandigarh 2019	National	0	1	Not available	Tina Medhi
2019	2nd in Spot Photography , East Zone inter university youth festival,Chandigarh 2019	National	0	1	Not available	Jaydhar Boro
2019	3rd in Mime, , East Zone inter university youth fest	National	0	1	Not available	Bitupan Saikia,Jitumoni Kalita ,Tina medhi,Hritiki Nath,Monmi

	ival, Chandigarh 2019					ta Borah, Bhupesh Kumar Deka
2019	3rd in Folk Orchestra, East Zone inter university youth festival, Chandigarh 2019	National	0	1	Not available	Arunabh Jyoti Malakar, Rinku Das, Biplob Gogoi, Bais hallee Cham uah, Hirak Jyoti Sarma, Bitupan Saikia, Jhuna kangkon Bhuyan, Mon mita Borah, Ananya Sarma, Krishan jyoti baruah
2019	4th in One act play, East Zone inter university youth festival, Chandigarh 2019	National	0	1	Not available	Dipannita Das, Deepjyoti Kalita, Anju Hazarika, Bitupan Saikia, Mouchumi Das, Hrittik Nath, Jhuna kangkon Bhuyan, Ananya Sharma
2019	4th Best team, East Zone inter university youth festival, Chandigarh 2019	National	0	1	Not available	GU Team
2019	3rd in Indian group song, East Zone inter university youth festival, Chandigarh 2019	National	0	1	Not available	Hirak Jyoti Sarma, Pallavi Devi, Tribeni Bujaruaruah, Bipanchi Das Saikia, Anurag Kalyan Buragohain, Biplab gogoi
2019	1st in Mime, East Zone inter university youth fest	National	0	1	Not available	Bipanchi Das Saikia, Jitumoni Kalita, Mounita Borah

	ival, LN Mithila University 2019					, Hrittik Nath, Rinku Das
2019	2nd in One Act Play, East Zone inter university youth fest ival, LN Mithila University 2019	National	0	1	Not available	Bipan chi Das Saik ia, Mouchu mi Das, Jitu mo ni Kalit a, Deepjyot i Kalita, Dip annita Das, Anju Hazar ika, Mounit a Borah, An anya Sharma, Hrittik Nath, Jhunakangka n Bhuyan
2019	2nd in Folk Orchestra, East Zone inter university youth fest ival, LN Mithila University 2019	National	0	1	Not available	Bipan chi Das Saik ia, Hirak Jyopti Sar ma, Biplob Gogoi, Arun abh Jyoti Malakar, Kr ishan Jyoti Baruah, Rin ku Das, Moun ita Borah, Jh unakangkan Bhuyan
2019	2nd in Debate, East Zone inter university youth fest ival, LN Mithila University 2019	National	0	1	Not available	Taniya Roy , Manswita Mahanta
2019	2nd in Spot Painting, East Zone inter university youth fest ival, LN Mithila University 2019	National	0	1	Not available	Jaydhor Boro

2019	2nd in Cartooning, East Zone inter university youth festival, LN Mithila University 2019	National	0	1	Not available	Gyan Pratim Dev Sharma
2019	3rd in Photography, East Zone inter university youth festival, LN Mithila University 2019	National	0	1	Not available	Jaydhor Boro
2019	3rd in Indian group Song, East Zone inter university youth festival, LN Mithila University 2019	National	0	1	Not available	Tribeni Bujarbaruah, Pallavi Devi, Anurag Kalyan Borgohain, Bipanchi das Saikia, Biplob Gogoi
2019	1st in Western group Song, East Zone inter university youth festival, LN Mithila University 2019	National	0	1	Not available	Tribeni Bujarbaruah, Pallavi Devi, Anurag Kalyan Borgohain, Bipanchi das Saikia, Dipannita Das, Ananya Sharma
2019	2nd in Poster making, East Zone inter university youth festival, LN Mithila University 2019	National	0	1	Not available	Surya Kumar Saikia
2019	3rd in Quiz, East Zone inter	National	0	1	Not available	Dhrubajyoti Barman, Rubul Kalit

	university youth festival, LN Mithila University 2019					a, Bijit Das
2019	3rd in classical dance, East Zone inter university youth festival, LN Mithila University 2019	National	0	1	Not available	Tina Medhi
2019	1st Best in Cultural Procession, East Zone inter university youth festival, LN Mithila University 2019	National	0	1	Not available	GU Team
2019	2nd Best in team, East Zone inter university youth festival, LN Mithila University 2019	National	0	1	Not available	GU Team

5.3.2 – Activity of Student Council & representation of students on academic & administrative bodies/committees of the institution (maximum 500 words)

The Student Council of Gauhati University is known as PostGraduate Student's Union (PGSU). It has been functioned since the inception of the University in accordance with its constitution. There are 15 Office Bearers in its Executive Body and one Departmental Representative from each department directly elected by the students by voting as per the existing recommendation of the Lyndgoh Committee and as mandated by the Hon'ble Supreme Court of India. The office bears are: President, VicePresident, General Secretary, Assistant General Secretary, Literary Secretary, Music Secretary, Cultural Secretary, Debate Symposia Secretary, Major Games Secretary, Minor Games Secretary, Sports Secretary, Boys Common Room Secretary, Girls Common Room Secretary, Gymnasium Secretary and Social Service Secretary. The student council i.e., PGSU elected for one year, takes care of all the issues of the students and brings it to notice of the University Authority as and when required. They act as a suggestive body to put forward necessary suggestions and recommendations to be taken up and executed for the welfare of the students. Moreover, they organises

different sports, cultural and academic activities for the all round development of the students. They also organise welfare programmes like plantation, campus cleaning, blood donation camp and some awareness programmes to curb ragging, use of drugs and for proper use of social media. Apart from organising different competitions in the fields of cocurricular and extracurricular activities. In the times of natural disaster, they come forward for helping the victims. The representatives of PGSU and other students are nominated /elected to different academic and administrative bodies of the University. For example, the student body is a constituency in the election to the Gauhati University Court. They are also represented in important committees like AntiRagging Committee (one senior student and one junior student), Internal Complaints Committee (ICC), Grievance Redressal Committee for admissions, Town Committee, Security advisory Committee, etc. Moreover, one Prefect in each hostel is officially appointed by the administration for immediate intervention in the problems faced by the students in the hostels. The PGSU is also represented in the Sports' Board of the University which looks after all the sports activities organised for the students. On the other hand, student members are also included and well represented in all important nonstatutory bodies/committees like the organising committee for convocation, stakeholders meeting etc. By and large, the students are involved in most of the important bodies of the University on a representational basis where the issues of the students are discussed and decided.

#### 5.4 – Alumni Engagement

5.4.1 – Whether the institution has registered Alumni Association?

Yes

Established in 2003, Gauhati University Alumni Association (GUAA) was registered under Society Registration Act XXI of 1860 with Registration No. KAM/240/T/28 of 20042005. Since then the Association has been working for the development of the University through its different activities: • Logistics help to students and alumni Inhouse lectures and workshops for students, research scholars and staff. • Outreach activities in schools and colleges. • GUAA has collected nearly Rs. 50 lakhs through membership drive and donation for the construction of an Alumni House. Named Gauhati University Alumni House (GUAH) it was inaugurated on 12th February 2016. It now houses the office of the Alumni Association and provides accommodation to visiting alumni. In 2016, GUAA had launched the European Chapter of Gauhati University Overseas Alumni Association (GUOAA) in London and the Australian Chapter on November 26, 2017. The Gauhati University alumni are spread across the globe and are occupying important positions nationally and internationally. The process of preparation of a comprehensive Alumni Directory is currently underway. The GUAA has also taken several initiatives and cultural activities wherein its alumni from various walks of life were felicitated for their contribution towards the society.

5.4.2 – No. of registered Alumni:

5127

5.4.3 – Alumni contribution during the year (in Rupees) :

189000

5.4.4 – Meetings/activities organized by Alumni Association :

15

### CRITERION VI – GOVERNANCE, LEADERSHIP AND MANAGEMENT

#### 6.1 – Institutional Vision and Leadership



6.1.1 – Mention two practices of decentralization and participative management during the last year (maximum 500 words)

As recommended in the post NAAC accreditation meeting with the Heads of the Academic Departments, it was decided to form Department Quality Assurance Cell by the ViceChancellor vide letter No. GU/IQAC/28/2018/257 dated 6/11/18. All the Departments were notified on 14th November 2018 to form a committee comprising of the Head of the Department as the Chairperson of the DQAC, one senior faculty of the DAC as a member and one faculty of the Department with experience in working with basic ICT tools. The DQAC has been working to make the data collection system decentralized, regular and ongoing since a major component of data for the AQAR comes from the Academic Departments. The DQAC is also entrusted to sensitize the departmental faculty on quality publication,teachinglearning and monitor the feedback process. The IQAC in its attempt to make the Quality assurance process participative has set up a task force comprising of faculty members of various departments. The objective is to create awareness about the quality assurance requirements in the University as well as design methodologies for achieving quality in the various aspects of teachinglearning, research, development and community outreach programmes. The task force is responsible for achieving and ensuring quality. In this regard faculty level committes are proposed to be formed as the quality control protocol. The taskforce would eventually be responsible for monitoring the quality of the publications of the Departments and do SWOC analysis relating to each metric for a future course of action. One of the first activities of the task force was to prepare the AQAR of the year 20182019. The structure of the task force is as follows: Director, IQAC is the Chairman. A team has been formed to look into different aspects of each of the 7 criteria of AQAR. The format for collecting data from Academic and Administrative departments were designed and shared on google sheets. The duty of the task force was to compile the data, identify gaps and collect the necessary information.

6.1.2 – Does the institution have a Management Information System (MIS)?

Yes

## 6.2 – Strategy Development and Deployment

6.2.1 – Quality improvement strategies adopted by the institution for each of the following (with in 100 words each):

Strategy Type	Details
Curriculum Development	PG Diploma in Yoga Education under Gauhati University, and a Course Structure of Indian Studies Programme for the students of Pridi Banomyong International College, Thammasat University (Thailand) have been formulated. Revision of syllabus carried out during the current academic year by some academic departments. For employability/entrepreneurship and skill development, some departments have started soft skill course and course on computer knowledge and its application in respective filed/subject for the students. For example, English department has started courses on Film Studies, Translation Studies and Principles of Translation, Business Communication and English Communication in June 2019.

<p>Teaching and Learning</p>	<p>In addition to the continuous evaluation process through various exams (class tests, sessional and semester exams), Mentormentee system has been introduced in all the departments for master courses. Remedial courses are offered to the students if necessary. As per the new curriculum, master students should go for at least one CBCS open paper in their courses. Course work for the PhD students is mandatory. The Pre Examination Training Centre (PETC), GU also conducted various crash courses to enhance aptitude, vocabulary and reasoning for appearing competitive examinations. A training on statistical software for the Masters students was also conducted during the period.</p>
<p>Examination and Evaluation</p>	<p>Subjectwise entrance tests were conducted for admission to Masters, M.Phil and Ph.D. courses to select and promote meritorious students for higher education. As a good practice and quality maintenance, subject experts are called from nearby central/state universities and research institutions for practical examinations at masters' level, and PhD and MPhil theses are sent for evaluation to the subject experts outside the university in and abroad. GU has made six monthly progress evaluations compulsory to the PhD students that have to be presented to their respective threemembers Research Advisory Committee (RAC). Both MPhil and PhD thesis submissions are to be along with the antiplagiarism report. For promotion of Academic Integrity and Prevention of plagiarism in Gauhati University, the Institutional Academic Integrity Panel (IAIP) and the Departmental Academic Integrity Panel (DAIP) have been constituted.</p>
<p>Research and Development</p>	<p>The University has allocated budget for giving startup grants to the young faculties accordingly a total of 22 young faculties from different departments were given research grants during the period. The University has made mandatory to include expert's name in the award list of Ph.D students to make the Ph.D programme more professional and transparent. Moreover, during the period, University made compulsory to submit and present six</p>

month progress report to the respective Departmental Research Advisory Committee (RAC) for all regular and part time research scholars. Besides, a central instrumentation facility is being set up to enhance RD activity in the university. A scanning electron microscope was procured and installed during the period. Logistic supports and basic infrastructures are given to the project investigators for extramural project applications and implementations.

Library, ICT and Physical Infrastructure / Instrumentation

To facilitate the scholars and the users to get access of the eresources available through INFLIBNET Centre's central funding and also the subscribed eresources from our own, a modern computer lab with about 70 computers with licensed software has been established in the New Annexed Building and connected with the central server of the university through Local Area Network (LAN). As an alternative source of energy, 75KW capacity Solar panel has been installed on the top of the New Annexed Building. The process of another 50KW solar panel installation is going on to cover the entire library. Institutional Repository by using DSpace, an openaccess software for the digital library, has been created through which digitized version of the resources available in the library can be accessed online in the LAN. The Library campus has been connected with the WiFi facilities to make available the internet and other eResources beyond the four walls of the building. Renovation works of the Reading Room have been completed during this period along with reelectrification of the room. Yoga centre and sports infrastructures (indoors and outdoors) are available within the campus.

Human Resource Management

GU has proper selection criteria for human resource recruitment, promotion for trainings and capacity buildings, involvement of young faculties in different activities, involvement of potential faculties in different administrative, academic and monitoring committees for quality assurance, reshuffling of administrative supporting staffs to make them well acquainted with different

	administrative departments and perform more efficiently. GU also hires experts from outside for knowledge exchange and overall quality improvement in the University.
Industry Interaction / Collaboration	In order to enhance industryacademia collaboration, facilitate startup, incubation activities and students' employability, GU has started an incubation centre by the name 'Gauhati University Technology Incubation Centre' since 27 August, 2018 which is certified by the Innovation Cell, MHRD, Govt. of India and AICTE
Admission of Students	Gauhati University (hence after GU) started a completely online and paperless admission process for its own campus and off campus master's programs (programs running in affiliated colleges) over the last year's partial online admission process where both online and offline were used. Besides conducting admission test within its own campus, for the first time GU conducts 12 of campus centres covering major districts head quarters of Assam and Northeast India. During the reference period, GU has made a special provision by opening its 50 seats to other Universities with the aim to increase the diversity in student's profile. Moreover, in interdisciplinary programmes, 100 seats were made open to students of all universities where admission were done exclusively on entrance test. This year GU has made mandatory for colleges to follow the same admission list prepared on the basis of the entrance test which nullifies independent admission processes of colleges. There is also an international relation cell of GU to facilitate the admission process of interested students in various courses under GU.

6.2.2 – Implementation of e-governance in areas of operations:

E-governace area	Details
Finance and Accounts	IUMS launched HRMS Payroll, Pension Management, PF Management, Store Purchase modules during the period.
Student Admission and Support	IUMS launched various modules (Pre Admission, Admission, Fee Management, Hostel Management, Convocation/Certificate Management, and Placement Services) for the students.

	Besides, access of free internet in GU hostels, in Central library and the respective academic departments, online access of eresources through INFLIBNET (UGC), and the access of Institutional repository through DSpace, an openaccess software for the digital library are available to the students.
Examination	Pre Examination, Examination Processing, and Post Examination modules were launched by the IUMS during the period.
Planning and Development	GU already has a fifteenyear perspective plan (20162032) with clear development goals and timebound implementation strategies in which good governance with efficiency and transparency through technology intervention is one of them. Accordingly, GU adopted IUMS (Integrated University Management System) since 2017 which provides both online and offline user friendly portals for egovernance. University has opened up DQAC in all departments and online submissions of information were made compulsory. Similarly, to enhance research quality University has created 'Research Ethics Committee' for the researchers. Online student's feedback mechanism has planned during the period and the collection of information has already been started.
Administration	In addition to the previous modules, IUMS launched a few more useful administrative modules: VC Admin, RTI module, File and Letter Movement, Establishment, Academic, Affiliation, Alumni Management, Employee Portal and Guest House Management module according to its planning for effective egovernance.

### 6.3 – Faculty Empowerment Strategies

6.3.1 – Teachers provided with financial support to attend conferences / workshops and towards membership fee of professional bodies during the year

Year	Name of Teacher	Name of conference/ workshop attended for which financial support provided	Name of the professional body for which membership fee is provided	Amount of support
2019	Chandana Sarmah	Indian Science Congress, 2019	N/A	17910
2019	Prof. Dwipen Bezbaruah	National seminar on the theme	N/A	50000

		Converging spectrum of anthropology in Assam and adjoining areas on 14th 15th March, 2019		
2019	Dr. Hemen Deka	5th International Symposium on Bioremediation and Sustainable Environmental Technology ,From 15/04/2019 to 18/04/2019	N/A	10000
2019	Dr. K. Tayung	Visit of Prof. Antonio Evidente, Deptt. of Chemical Sciences, University of Naples Federico II, Naples, Italy 4th to 9th February, 2019	N/A	21000
2019	Prof. P.P. Baruah	IWA Conference on "Algal Technologies and Stabilization Ponds for Wastewater Treatment and Resource Recovery" held at Valladolid University, Spain,1/7/2019 to 2/7/2019	N/A	110000
2019	RounakMahtab	Formation endDidactique,Langue and Culture,University of Montreal,19/3/2019	Indian Associationof Teachers of French	73500
2019	Dr Kandarpa Das	International Seminar on New Frontier in Translation and language learning,6/2/2019	N/A	80000
2018	Dr. Rita Moni Baishya	11th World Hindi	N/A	42864

		Conference		
2018	Dilip Kumar Medhi	11th world Hindi Conference, Mauritius, 2018 18/10/2018 to 20/08/2018	N/A	46250
2019	Rajib Handique	4th oral history association of India (ORAI) Ambedkar University, New Delhi From 01/02/2019 to 02/02/2019	N/A	11500
2018	Kuldeep Patowary	Northeast India and Southeast Asia: Exploring Continuities, 25 /10/18 to 26/10/18	N/A	8203
2018	Sanjay Kumar Singh	CONET 2018 Conference: 14th International Conference webometrics, University of Macau from 05/12/2018 to 08/12/2018	N/A	45712
2019	Dr. Sanjay Kumar Singh	Book Publication on 50 years of LIS Education in North East India, 23/3/2019	N/A	25000
2018	Tilak Hazarika	PLANNER2018	N/A	9277
2019	Dr. Hemen Dutta	Workshop on "Advanced Researches in Fixed Point Theory and Applications", 2019	N/A	41680
2018	Dr. Nilakshi Goswami	MSAST for participating in the 11th international conference in Kolkata, 21-23 Dec, 2018	N/A	7676
2018	Dr. Ranu Paul	MSAST for participating	N/A	7676

		in the 11th international conference in Kolkata, 21-23 Dec, 2018		
2018	BantyTiru	Advanced Workshop on FPGA based Systems On Chip for Scientific Instrumentation and Reconfigurable Computing, Dec, 2018	International Centre for theoretical Physics, ICTP, Italy	75364
2019	Anurup Gohain Barua	20th International Symposium on Bioluminescence and Chemiluminescence, 13/2/2019	International Society for Bioluminescence and Chemiluminescence	66048
2018	Prof. Indraneep hookanBorooah	Asian Association of Indigenous and Cultural Psychology AAICP 2018	N/A	30030
2018	DrManidipa Baruah	Asian Association of Indigenous and Cultural Psychology AAICP 2018	N/A	30030
2019	Debashis Saikia	Organizing sixth schools on System Designing Micro Controller, 30 March, 2019	N/A	40000
2019	Prof Padmini Bhuyan Baruah	Conducting seminar in the deptt. ELT, 25/02/2019	N/A	75000
2018	Prof Pranayee Dutta	Participating in the European Advanced ... Stockholm, Sweden, 20/8/2018 to 23/08/2018	N/A	68704
2019	Dr. ShikharKr. Sarma	Visiting research at to Warsaw University, Poland, 1/1/2019 to	N/A	78750



		16/1/2019		
2018	Dr. Jagadish Sarma	Attending world Sanskrit Conference, Canada, 9th July to 13th July, 2018	N/A	78846
2018	Prof Mukta Biswas	Attending world Sanskrit Conference, Canada, 9th July to 13th July, 2018	N/A	78846
2019	Dr. Pranjit Hazarika	Attending International Seminar at Kolar Gold Field, Karnataka, 15/2/2019 to 16/2/2019,	N/A	13775
2019	Prof Akhil Ranjan Dutta	The Rise of Asian Global History and Perspective Paris, France, 13/15 March, 2019	N/A	70000
2019	Dr Ankuran Dutta	International Conference on Dearin University, Melbourne from 06/06/2019 to 07/06/2019	N/A	52500
2019	Dr. Subhash Medhi	Annual general meeting body of American Society of Reproductive Immunology Held at Grand Rapids, Michigan, USA from 12th to 15th June 2019	N/A	10000
2019	Rajashree Deka (Research Scholar)	Workshop that will be held in ICSCCB Pune, 17/07/2019 to 23/07/2019	N/A	28600
2019	Prof. Dilip Borah	International Conference Asian Studies at Metropolitan University Prague, Czech Republic	N/A	80680

2019	Dr. Labananda Choudhury	4th IIMA International Conference on Advances in Healthcare Management Services From 16/02/2019 to 17/02/2019	N/A	15514
2019	Manashi Bora	International seminar on identity, History and Narrative in contemporary Afghan Literature ,6 to 8 February,2019	N/A	80000
2019	Mizazur Rahman Talukdar	International Conference on Women Right in Islam, Aliah University Kolkata 05/02/2019 to 06/02/2019	N/A	8750
2019	Kaberi Das	358th International Conference on Management, Economics and Social Sciences 2019 12th to 13th February, 2019 in Paris	N/A	82667
2018	Dr. Samir Sarkar	International Conference in Colombo at University of Sri Jayewardenepura 06/12/2018 to 06/12/2018	N/A	31000
2018	Dr. R.K. Deka	Workshop Deptt. Of Mathematics, 2425, August, 2018	N/A	50000
2018	Dr. H.Dutta	National Seminar, Deptt of Mathematics 22 Dec, 2018	N/A	50000
2019	B.Sarma	National Workshop on	N/A	50000

		Current Research in History, Deptt of History, 15/02/2019		
2018	Padmini Bhuyan Baruah	One Week Workshop 26th November, 2018 to 2nd December, 2018	N/A	15000
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6.3.2 – Number of professional development / administrative training programmes organized by the University for teaching and non teaching staff during the year

Year	Title of the professional development programme organised for teaching staff	Title of the administrative training programme organised for non-teaching staff	From date	To Date	Number of participants (Teaching staff)	Number of participants (non-teaching staff)
2019	OP 119	NA	14/02/2019	13/03/2019	45	0
2019	Winter School on BioResources of NE IndiaV	NA	30/01/2019	19/02/2019	41	0
2019	Teacher EducationI	NA	27/02/2019	19/03/2019	52	0
2019	PDP of Non Teaching Staff on Basics of Computer/Academic Finance Office Management	NA	20/02/2019	23/11/2019	47	0
2019	Research Methodology	NA	14/03/2019	20/03/2019	50	0
2019	50 Years of LIS Education in North East India	NA	02/09/2019	02/09/2019	15	150
2018	Capacity Building workshop on NSSO Unit Level Data Use	NA	17/12/2018	28/12/2018	4	0
2018	Workshop on MOOCs, eContent D	NA	26/11/2018	02/12/2018	55	0

	development and Open Educational Resources					
2018	Human Rights	NA	12/11/2018	18/11/2018	58	0
2018	Value Education	NA	29/10/2018	04/11/2018	41	0
2018	Disaster ManagementNA	NA	30/10/2018	05/11/2018	47	0
2018	Language Literature of NE India	NA	04/10/2018	10/10/2018	38	0
2018	Principal Meet	NA	06/07/2018	07/07/2018	129	0
2018	Environmental StudiesIX	NA	24/09/2018	18/10/2018	60	0
2018	Women Studies Empowerment -I	NA	06/08/2018	26/08/2018	39	0
2018	Mathematics StatisticsI	NA	19/12/2018	08/01/2019	32	0
2018	Economics Commerce I	NA	08/11/2018	28/11/2018	53	0
2018	AssameseXXII	NA	30/09/2018	23/09/2019	57	0
2018	Life Science (Botany, Zoology Biotechnology)I	NA	09/07/2018	29/07/2018	49	0
2018	OP118	NA	15/12/2018	11/01/2019	75	0
2018	OP117	NA	02/08/2018	29/08/2019	32	0
2018	OP 116	NA	01/06/2018	28/06/2018	38	0
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6.3.3 – No. of teachers attending professional development programmes, viz., Orientation Programme, Refresher Course, Short Term Course, Faculty Development Programmes during the year

Title of the professional development programme	Number of teachers who attended	From Date	To date	Duration
One week faculty development	4	03/12/2018	08/12/2018	7

program on behavioral remodeling and use of ICT tools in classroom delivery of teachers				
FDP on Active Learning	1	09/07/2018	03/12/2018	146
Short term course on Nanomaterials and Smart Devices	1	17/09/2018	21/09/2018	5
Refresher course, UGCHRDC, GU	1	30/01/2019	19/02/2019	20
TEQIP III sponsored short term course on scientific computing and applications to industrial problems, Dept of Mathematics, IIT Kharagpur	1	19/11/2018	23/11/2018	5
UGC sponsored refresher course on mathematics and statistics, UGCHRDC gauhati university	1	19/12/2018	08/01/2019	21
OP	1	15/12/2018	11/01/2019	27
REFRESHER COURSE	1	09/11/2018	29/11/2018	20
FDP	1	03/12/2018	08/12/2018	6
STC on Reseach Methodology	2	14/03/2019	20/03/2019	7
STC on Language, Literature of NE India	1	04/10/2018	10/10/2018	7
Orientation Programme (OP118)	1	15/12/2018	11/01/2019	26
Orientation programme	1	03/03/2018	05/03/2018	3
Refresher Course	1	04/07/2019	17/07/2019	14

Short Term Course	1	26/11/2018	01/12/2018	6
ONLINE ACTION RESEARCH IN EDUCATION COURSE BY NCERT, NEW DELHI DONE BY MR. MINTU BHATTACHARYA	1	01/12/2018	28/02/2019	88
Summer Training Program on Active Learning	1	09/07/2018	13/07/2018	5
Executive Development training for NonTeaching, Administrative and Finance Staff, Lab Technicians at Engineering Staff College of India, Sikkim (Gangtok)	1	22/06/2018	26/06/2018	5
Professional Development Training (PDT) at IIM Raipur	1	29/01/2018	02/02/2018	4
Summer Training on Advanced Pedagogies	1	10/06/2019	14/06/2019	5
Workshop on AI in healthcare Engineering	1	28/03/2019	30/03/2019	3
Refresher Course in Economics and Commerce	1	08/11/2018	28/11/2018	20
Introductory Course on SPSS and Data Analysis organised by Preexamination Training Centre, Gauhati University	1	25/04/2019	22/05/2019	28
Short Term Course	1	04/10/2018	10/10/2018	7
Orientation Programme	1	15/12/2018	11/01/2019	26

Short Term course	1	22/06/2019	27/06/2019	5
Orientation Course1	1	02/08/2018	29/08/2018	28
Orientation Course	1	30/07/2019	20/08/2019	21
Refresher Course	1	22/11/2018	12/12/2018	20
Faculty Induction Programme	1	20/06/2019	07/07/2019	17
ShortTerm Course on Research Methodology	1	14/03/2019	20/03/2019	7
FDP	5	10/06/2019	14/06/2019	5
Data Analytics using R Programming	1	08/01/2019	12/01/2019	5
Refresher Course in Mathematics Statistics organized by UGCHRDC, Gauhati University	1	19/12/2018	08/01/2019	21
STC (UGC sponsored) on Disaster Management, HRDC, Gauhati University	1	30/10/2018	05/11/2018	6
Refresher Course in Mathematics Statistics organized by UGCHRDC, Pondicherry University	1	05/09/2018	25/09/2018	21
Orientation Programme	1	14/02/2019	13/03/2019	28
One Week Short Term Course on the language literature of NE India	1	04/10/2018	10/10/2018	7
Data Analytics using R Programming	1	08/07/2019	12/07/2019	5

Advanced Workshop on FPGAbased SystemsOnChip for Scientific Instrumentation and Reconfigurable Computing	1	26/11/2018	07/12/2018	13
Orientation Program (OP 117)	2	02/08/2018	29/08/2018	28
Behavioral Remodeling Use of ICT Tools for Classroom Delivery of Teachers, held from 24 29 June, 2019 at Rangia College, Rangia	1	24/06/2019	29/06/2019	6
Orientation Programme	1	15/05/2019	15/05/2019	1
Faculty Development Programm1	1	03/12/2018	08/12/2018	6
Workshop	2	27/05/2019	02/06/2019	7
Orientation Programme	1	01/06/2018	28/06/2018	29
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6.3.4 – Faculty and Staff recruitment (no. for permanent recruitment):

Teaching		Non-teaching	
Permanent	Full Time	Permanent	Full Time
8	0	0	6

6.3.5 – Welfare schemes for

Teaching	Non-teaching	Students
Day Care center(Creche), Gauhati University is starting from 1 st of December, 2015, to cater to the needs of the teachers, officers, and employees of the University, which is housed in a residential building adjacent to the GU Hospital. The University has already signed an agreement	Day Care center(Creche), Gauhati University is starting from 1 st of December, 2015, to cater to the needs of the teachers, officers, and employees of the University, which is housed in a residential building adjacent to the GU Hospital. The University has already signed an agreement	Day Care center(Creche), Gauhati University is starting from 1 st of December, 2015, to cater to the needs of the teachers, officers, and employees of the University, which is housed in a residential building adjacent to the GU Hospital. The University has already signed an agreement



with Zutshi Shanti Home Welfare Trust, Khanapara, Guwahati to run the Centre. Interested parents may contact the member secretary of the Day Care Centre Committee for necessary information. The security arrangement for the university campus is two tier. The internal security i.e. various departments, offices, and hostels are covered by inhouse security staff (comprises of the Security Officer, Chowkidars, and Havildars). The blanket security of the campus i.e. the gates to the campus and to different department and offices are covered through Home Guards. University Bus services: Four buses cover two routes from the city to university and vice versa. Gauhati University Hospital is the primary healthcare facility of Gauhati University. Besides the services it provides to the university community, the GU Hospital remains a primary source of healthcare facility to the neighbouring regions around the university campus.

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#### 6.4 – Financial Management and Resource Mobilization

##### 6.4.1 – Institution conducts internal and external financial audits regularly (with in 100 words each)

Gauhati University conducts both internal and external financial audits on regular basis. In respect of internal audit, there is a preaudit system of every payment in the respective section of the Finance and Accounts branch of Gauhati University. Moreover, there is a separate Internal Audit Section to discharge the auditing function. The external audit of the University is carried out as per mandated provision laid down in the Act by the Examiner, Local Accounts, Assam under Section 20 of the Gauhati University Act 1947 as amended in 2013. The audit of accounts up to 201516 is already completed and audit for the period 201617 and 201718 is going on. The Audit objections are settled after submitting replies. In addition to these Internal Audits of some units is carried out by firm of Chartered Accountant on specific needs. The External Audit of Gauhati University are also carried out from the office of the

Accountant General, Guwahati, Assam with effect from 201314 and they have already completed Audit upto 201718. Most of the financial claims are preaudited. However, expenditure related to Conduct of Examination, etc. are post audited at the time of adjustment of advances.

6.4.2 – Funds / Grants received from management, non-government bodies, individuals, philanthropies during the year(not covered in Criterion III)

Name of the non government funding agencies /individuals	Funds/ Grnats received in Rs.	Purpose
BCIL(Biotech Company India Pvt. Ltd.) OIL India Pvt. Ltd. Sc Engg. Research Board Digital India Corpn. UNICEF N M on Himalayan Studies Inter University Centre for Astronomy Astrophysics	18124808	Research Promotion, Fellowship and Workshop
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6.4.3 – Total corpus fund generated

162472692

## 6.5 – Internal Quality Assurance System

6.5.1 – Whether Academic and Administrative Audit (AAA) has been done?

Audit Type	External		Internal	
	Yes/No	Agency	Yes/No	Authority
Academic	No		No	
Administrative	No		No	

6.5.2 – What efforts are made by the University to promote autonomy in the affiliated/constituent colleges? (if applicable)

(i) Introduction of Post Graduate (PG) courses in a number of affiliated colleges in various subjects. The University conducts the admission into the PG courses through a Common Admission Test. (ii) PG courses of the University have also been extended to affiliated colleges in the form of cluster colleges.

6.5.3 – Activities and support from the Parent – Teacher Association (at least three)

(i) Academic Departments of the University hold ParentTeacher meetings regularly to discuss various academic and personal issues related to the individual students. (ii) Feedback on course, academic programme and student progression are regularly taken from the parents by holding parentteacher meetings. (iii) For certain academic departments, MPhil and PhD students also get help in field study, collection of samples and use of certain resources through very active parentteacher association. (iv) Parents are also invited to the departments to discuss and clarify the doubts regarding the course and the admission procedure during admission.

6.5.4 – Development programmes for support staff (at least three)

(i) UGCHRDC, Gauhati University conducted a short term course on Professional Development of NonTeaching Staff of College and University employees during 20 Feb 2019 to 23 Feb 2019 (Total participants: 47) (ii) The nonteaching staff of various teaching departments were educated on the use of various eresources. (iii) They were trained on digital storage of data for office works.

6.5.5 – Post Accreditation initiative(s) (mention at least three)

(i) Environmental/ Green Audit: The University has constituted the Environmental/ Green Audit Committee for the year 20182019 via a notification dated 29092018 under the Chairmanship of Prof. Parag Phukan, Head, Dept. of Geological Sciences, Gauhati University. The committee has carried out an Environmental/ Green Audit for the session 20182019. (ii) Gauhati University Technology Incubation Centre (GU TIC): The University has constituted a Technology Incubation Centre under the Chairpersonship of Hon'ble ViceChancellor via a notification dated 28120218. GU TIC facilitates technology incubation including the creation of startups and strengthening industryacademia linkages. (iii) Empowering students and teachers of affiliated colleges: Gauhati University facilitates the visit of undergraduate students of its affiliated colleges to various laboratories for an internship. Faculty members of the University from various disciplines also visit affiliated colleges voluntarily for taking classes on specific topics as desired by the colleges. (iv) Promotion of research and development activities: Central Instrumentation Facility (CIF), Gauhati University has recently procured a Field Emission Scanning Electron Microscope (FESEM) and High Resolution Mass Spectrometer (HRMS) from its own fund to promote research and development activities in the University and its affiliated colleges. (v) Student's Grievance Redressal Cell: The University has formed a Student's Grievance Redressal Cell as per UGC guidelines.

6.5.6 – Internal Quality Assurance System Details

a) Submission of Data for AISHE portal	Yes
b) Participation in NIRF	Yes
c) ISO certification	No
d) NBA or any other quality audit	No

6.5.7 – Number of Quality Initiatives undertaken during the year

Year	Name of quality initiative by IQAC	Date of conducting IQAC	Duration From	Duration To	Number of participants
2018	Formation of DQAC	02/11/2018	02/11/2018	14/11/2018	125
2018	NAAC awareness program	16/11/2018	16/11/2018	17/11/2018	154
2018	IQAC meeting	07/09/2018	07/09/2018	08/09/2018	11
2018	Environmental/Green Audit	29/09/2018	29/09/2018	30/09/2018	12
2019	IQAC meeting	25/05/2019	25/05/2019	26/11/2019	21
2019	IQAC meeting	30/08/2019	30/08/2019	31/08/2019	17

**CRITERION VII – INSTITUTIONAL VALUES AND BEST PRACTICES**

**7.1 – Institutional Values and Social Responsibilities**

7.1.1 – Gender Equity (Number of gender equity promotion programmes organized by the institution during the year)

Title of the programme	Period from	Period To	Number of Participants	
			Female	Male

Lecture Programme on "Gender Restructuring in the Matrilineal Tribe Societies of Northeast India" by Bitopi Dutta, Research Scholar, Dublin City University	25/04/2019	25/04/2019	67	3
Lecture Programme on "Hyper-Visibility of Gender in Public Discourse" by Prof. Maitrayee Chaudhuri	21/08/2018	21/08/2018	111	17
Interactive session on the relationship between education and life experiences of girls in Assam, with Derrika Hunt, Doctoral candidate, University of California, Berkeley	06/06/2018	06/06/2018	21	0
Lecture Programme on "Women and Work- Related Concerns, in Contemporary times" by Prof. Neetha N., Director, Centre for Women's Development Studies (CWDS), New Delhi.	03/08/2019	03/08/2019	62	3
Gender Sensitization Meeting for B. Tech 3rd semester	01/02/2019	03/02/2019	14	25
Gender Sensitization	09/02/2019	09/02/2019	13	26

Meeting for B. Tech 5th semester				
Gender Sensitization Meeting for B. Tech 7th semester	22/02/2019	23/02/2019	12	18
Gender Sensitization Meeting for M. Tech students	01/03/2019	03/03/2019	19	15
Gender Sensitization Meeting for PhD students	08/03/2019	09/03/2019	7	6

7.1.2 – Environmental Consciousness and Sustainability/Alternate Energy initiatives such as:

Percentage of power requirement of the University met by the renewable energy sources
14 percent

7.1.3 – Differently abled (Divyangjan) friendliness

Item facilities	Yes/No	Number of beneficiaries
Special skill development for differently abled students	No	0
Physical facilities	Yes	8
Provision for lift	Yes	8
Ramp/Rails	Yes	8
Braille Software/facilities	Yes	1
Rest Rooms	Yes	8
Scribes for examination	Yes	0

7.1.4 – Inclusion and Situatedness

Year	Number of initiatives to address locational advantages and disadvantages	Number of initiatives taken to engage with and contribute to local community	Date	Duration	Name of initiative	Issues addressed	Number of participating students and staff
2019	1	1	30/03/2019	8	Literacy intervention programme in five govt. primary schools under	Literacy and primary education in local communities	17

					Dudhnoi conducted Deptt of Linguistics, GU		
2019	1	1	14/02/2019	2	Elementary Education Block, Dudhnoi, Goapara District, Assam conducted Deptt of Linguistics, GU	Data archival of local languages	45
2019	6	2	08/04/2019	5	Social Media Awareness, conducted by deptt of Journalism and communication, GU	Social media	22
2019	6	6	25/03/2019	6	Media and Gender sensitization in society conducted by deptt of Journalism and communication, GU	Gender	12
2019	1	1	11/02/2019	2	Puppetry Rally and puppet show conducted by deptt of Journalism and communication, GU	Superstition and scientific temperament	43
2019	1	1	15/02/2019	2	Street Play, conducted by deptt of Journalism and communication, GU	Anti Ragging	52

2019	2	2	14/06/2019	1	Classes at GU Model School, conducted by deptt of Assamese, GU	Grammatical problems	20
2019	1	1	29/06/2019	1	Workshop for School Teachers, conducted by deptt of Assamese, GU	How to teach Assamese in English medium schools	40
2019	1	1	31/01/2019	1	Village Awareness Programme at Jimputa Village (Rabha Ethnic Village) under Rani Development Block, Kamrup	Lecture delivered and interactive session with villagers Issues covered: 1. Micro finance (benefits and precaution to be taken) 2. Right to Information 3. Benefits of different Govt Schemes 4. Banking Habits	33
2018	2	2	26/12/2018	1	1. Twin Lectures by Prof. Yasmin Saikia (Hardev Nischos Endowed Chair in Peace Studies and Professor of History,	Prof. Saikia spoke on the topic "Illegal", "Doubtful", "Termites": The Dehumanized Other of Assam. Dr Baishya spoke on the topic	70

					Arizona State University) and Dr Amit R. Baishya (Assistant Professor, Department of English, University of Oklahoma)	Wag the Dog: Canine Bodies as Living Signs in Arupa Patangia Kalitas Bonjui	
2019	1	1	22/03/2019	2	National Seminar on Cultural SelfFashioning in NorthEast India: Interplay of the Oral, the Written and the Performative Arts	The seminar attempted to explore the complex and wider nuances of the cultural selffashioning among the cultures and communities of North East India through the medium of various artistic genres spanning across the oral, textual and performative traditi	85
2019	1	1	30/01/2019	1	Lecture programme on "Doing Research on Gender in Northeast India: Reflections and Exper	Research on gender issues in NorthEast India	56



					iences"		
2019	1	1	13/02/2019	1	Interaction with Mothers Club, Borboruah Tea Estate, Dibrugarh Dist.	Issues and concerns of Women living in a Tea Estate.	30
2019	1	1	15/02/2019	1	Discussion with Social Educational Welfare Association (SEWA), Pasighat, Arunachal Pradesh	Issues of Drug addiction and Drug peddling faced by the society in Pasighat, Arunachal Pradesh.	30
2019	1	1	13/02/2019	1	Lecture Programme on Entrepreneurship.	Skill Enhancement Programme	30
2018	1	1	19/05/2018	1	Visit to Ashadeep, a Rehabilitation Centre.	To understand the lives of the inmates with mental problems.	13
2019	1	1	27/02/2019	2	National Seminar on challenges and directions for the development of Hindi in linguistic context	1. Importance and popularisation of Hindi in North East India in General and Assam in particular . 2. Identification of the problems pertaining to the usages of Hindi at the	189

official level as well as day to the life

7.1.5 – Human Values and Professional Ethics Code of conduct (handbooks) for various stakeholders

Title	Date of publication	Follow up(max 100 words)
Standard Operating Procedures, Institutional Ethics Committee, Gauhati University	23/02/2019	These rules aim to contribute to the effective functioning of the Institutional Ethics Committee (IEC) at Gauhati University so that a competent and consistent ethical review mechanism, in an objective manner, is put in place for a health and biomedical research proposals dealt by the Committee in accordance with ICMR and DCGI guidelines for biomedical research in Human subjects. These Rules are strictly followed in the areas meant for.
Professional Ethics (Department of Electronics and Communication Engineering)	13/03/2019	These Rules aims at making a professional ethics applicable for faculty members, students and Research scholars in the department of Electronics and Communication Engineering. These Rules help in creating a healthy atmosphere of teaching and research in the Department and Rules are strictly enforced by the DAC.

7.1.6 – Activities conducted for promotion of universal Values and Ethics

Activity	Duration From	Duration To	Number of participants
Training Programme organised by Internal Complaints Committee, Gauhati University	09/02/2019	09/02/2019	12
International Womens Day organised by Department of Womens Studies	08/03/2019	08/03/2019	205

Movie Screening cum Discussion Session (Water) organised by Department of Womens Studies	23/02/2019	23/02/2019	52
Movie Screening cum Discussion Session (Village Rockstar) organised by Department of Womens Studies	30/03/2019	30/03/2019	62

7.1.7 – Initiatives taken by the institution to make the campus eco-friendly (at least five)

To increase generation of Solar energy upto 275 KV
Conduct Green/Environmental Audit
Encouraging the bicycle Culture on the campus
Making the University a plastic free zone
Green garbage disposal system
Introduce digital communication methods to achieve paperless system
Brainstorming sessions on national Science day
Organise Swachh Bharat Abhiyan
Creation of a Natural Biodiversity Zone on the campus
Habitat conservation initiative

7.2 – Best Practices

7.2.1 – Describe at least two institutional best practices

Best Practice 1: Green Initiatives Gauhati University continues to focus on initiatives for maintaining and enhancing the greenery of its campus which is home to various animal and plant species. The green cover of the university includes small forest areas, marshy land and a beautiful botanical garden. The animals that inhabit the area include various reptiles, fish, amphibians, small mammals, and birds. The university campus, which is very close to the DeeporBeel Wild Life Sanctuary, a Ramsar site, and is adjacent to the Jalukbari Reserve Forest, is itself a biodiversity hotspot, and realizing the importance of maintaining the rich diversity of flora and fauna in such an area, the university has given maximum importance to green initiatives. Plantation drives undertaken by different departments and organizations have helped in maintaining the green cover of the campus. An aquaculture park within the campus contains various endemic species of fish, while many water bodies in the campus also give shelter to various aquatic creatures such as fish, amphibians, reptiles and insects. The botanical garden in the university has an interesting variety of plant species in it, while a fresh water body inside the garden enhances its beauty. Many bird species make the garden and the university their home. The waste management system in the university ensures proper disposal of waste from the hostels, residential quarters, and offices and departments. The hazardous waste materials from science laboratories are disposed off in a safe and responsible manner. The departments of Zoology, Botany, Biotechnology and Environmental Science are engaged in teaching and research activities that have a positive impact on the environment and the biodiversity of the region, while departments in the Faculty of Arts also have components in their teaching and research that promote environmental awareness and responsibility. Even as the University is undertaking construction and development projects, it is doing so

with care, so that the rich biodiversity of the area is not destroyed. Felling of trees is strictly prohibited, and adequate plantation is done around new buildings. Biomass burning is prohibited inside the campus, which is also a nosmoking area. Attempts are on to make the university plasticfree, and many departments have strict rules against the use of singleuse plastic. Official notices and letters are sent through email with a view to make communication as paperless as possible. Organizations like the Gauhati University Teachers' Association also functions in a paperless manner, maintaining their communications through email. The university actively participates in Swachh Bharat Abhiyan programmes to keep the environment clean and clutter free.

**Best Practice 2: Decentralization and Participatory Management Gauhati University,** established in 1948 after concerted demands and efforts for having a university in this part of the country, endeavours to maintain its democratic character and meets the hopes and aspirations of the people of the region. One way in which the university has consistently maintained this character is through decentralization and participatory management. The functioning of the university at various levels is through a process that ensures everyone's participation and forestalls exclusion. The University follows a bottom up approach and most of the academic policies of the University are initiated at the lowest level academic units like Departmental Academic Committee (DAC), Departmental Research Committee (DRC) and the Committee of Courses (CCS). The decisions of these bodies are than ratified by the Faculties and finally by the Academic Council. Again, the University Court is the supreme body of the University comprises of representation of all quarters, including the Heads of Departments, students, alumni and other stakeholders. Similarly, the Executive Council has representatives from the Gauhati University Court, the State Government, the Academic Council and other stakeholders. True to its nature of being a people's university, Gauhati University ensures that all stakeholders have a say in the functioning and wellbeing of the institution. In keeping with this general philosophy and practice of decentralization and participatory management, the Internal Quality Assurance Cell (IQAC) of Gauhati University has ensured that its own functioning is democratic and supportive of everyone's participation. Gauhati University now has Departmental Quality Assurance Cells or DQACs taking care of quality assurance and record keeping tasks within the different departments. The IQAC also has seven different Task Forces to deal with the seven criteria of assessment. The members of the task force are drawn from different departments and belong to different levels of seniority. Thus the University in general and the IQAC in particular, function with a bottom up approach rather than a top heavy approach. Also, there is an effort at replacing older top heavy setups with newer, bottom up structures. A host of organizations of teachers, students and employees also function within the university, presenting different perspectives on matters relating to the activities of the university. Considered in totality, all these entities also help towards the democratic functioning of the institution.

Upload details of two best practices successfully implemented by the institution as per NAAC format in your institution website, provide the link

<http://web.gauhati.ac.in/iqac/best-practices>

### 7.3 – Institutional Distinctiveness

7.3.1 – Provide the details of the performance of the institution in one area distinctive to its vision, priority and thrust in not more than 500 words

The oldest university in North East India, Gauhati University was established immediately after Independence with an overwhelming sense of expectation from the society of the region. The University has lived up to that expectation by embracing programmes, courses, activities and research that serve the region in different ways. The University's location in a region which is remarkable for

its very rich ethnic, sociocultural, and linguistic variety, besides being famous for its biodiversity, is manifested in studies and research that takes account of both human and biodiversity. The University's response to its location in many of its teaching and research initiatives is distinctive to its vision of transformation and development. This finds expression in the works of different departments. Each of the 45 academic departments is unique in their own way by engaging itself in teaching and research in the areas reflecting its distinct identity. Among the humanities and languages, departments of Folklore Research and Assamese are the flagship departments. The department of Folklore Research is engaged in research, documentation and preservation of the rich cultural heritage and diversity of Assam as well as the Northeast. The Department of Assamese incorporates into its teaching and research programmes various aspects of the sociocultural ethos of different ethnic groups of the region. There are other language departments like English, MIL Literary Studies, Hindi, Bengali, Persian, Arabic, Foreign Languages, which play significant role in the study languages, literature and culture. The Department of Linguistics has been in the forefront of pioneering research in the languages of the northeast. The humanities and social science departments like History, Philosophy, Education, Psychology, Political Science and economics have been playing leading role in teaching and research distinct to the region. The relatively new academic departments like Sociology and Women studies have their distinct identity in the whole northeast. The science departments like Physics, Chemistry, Botany, Zoology, Biotechnology, Computer Science, Mathematics, Statistics and others have been conducting pioneering research in the areas specific to the region. Department of IT prepared a digital archive of Dr Bhupen Hazarika's songs in Unicode format and has been working towards including Assamese script in ISO 10646 to BIS, Government of India. The Department has also been working towards the digitalization and exploration of other ethnic languages of Assam. The programme and courses of the department of Environmental Science reflects institution's distinctiveness through topics on natural hazards in general and the natural hazards of Northeast India (especially seismic and flood hazards). The Departments of Geography, Geological Science and Anthropology have been leading their disciplines with pioneering research and innovative teaching. The Department of Botany has been working in the direction of inventorization and mapping of plant resources of North East India in general and Assam in particular, and conservation of rare, endangered and threatened plant species through insitu and exsitu processes, and exploration and exploitation of microbial resources for bioprospection. The Centre for South Asian Studies, Gauhati University has been established as a research hub as follow up of India's Act East Policy.

Provide the weblink of the institution

<https://www.gauhati.ac.in/>

## **8.Future Plans of Actions for Next Academic Year**

For the next academic year 2019 2020, the University has chalked out the following plan of action: 1. In order to increase the residential facilities for teaching and nonteaching staff on the campus, the University plans to construct new residential multistory apartments for teaching and nonteaching staffs. 2. In order to increase residential facilities for students, the University plans to construct new hostels for girls and international students. 3. To facilitate recreation facilities of the faculty members, the University proposes to open a new teachers' club. 4. To preserve the biodiversity on the campus, the University decided to develop new wetland converting some marshy lands and evolve sustainable strategy to preserve the existing wetlands. 5. The University plans to evolve strategic plan to generate more alternative energy through solar power and increase the solar energy ratio up to 25. 6. The Department of Disability Studies has planned to introduce special skill development programme for the

7. University's integrated management system shall have new module to introduce atomization in the administration. 8. The University shall evolve new strategy to minimize the time gap between the last day of the examinations and declaration of results. 9. The Academic and Administrative audit shall be done on priority basis. 10. Special effort shall be given to strengthen the Gauhati University Alumni Association and increase Alumni engagement in the University activities. 11. The Gauhati University proposes to introduce a new scheme "Gauhati University Research Fellowship" in order to offer financial assistance to the needy and deserving research scholars. 12. The University plans to implement a system of compulsory review of the syllabus and curriculum of various programme after every three years and take measures to revise/update the syllabi and curriculum. 13. As a part of the green initiative, the University plans to achieve 100 percent paperless communication system with academic departments and receive/send communications, notices only through electronic media. 14. During the next academic year, the University plans to increase the ICT enabled capacity in teaching learning process and also create new econtent development facilities. 15. The University plans to organize regular capacity building workshop/training programme for the nonteaching staff of the University. 16. The University plans to take special measures to fill up the existing vacant teaching positions. 17. The IQAC shall ensure regular meetings of the statutory body, the DQAC and the IQAC Task Forces. 18. University plans to Install mini incinerators in the girls hostels. 19. Endeavour to establish linkage with national and international organizations/agencies for research collaboration. 20. Build a museum of Culture and Heritage to preserve and document diversity of the North East.