Yearly Status Report - 2018-2019

Part A	
Data of the Institution	
1. Name of the Institution	**TEZPUR UNIVERSITY**
Name of the head of the Institution	**Professor Vinod Kumar Jain**
Designation	**Vice Chancellor**
Does the Institution function from own campus	**Yes**
Phone no/Alternate Phone no.	**03712267003**
Mobile no.	**9957191528**
Registered Email	**iqac@tezu.ernet.in**
Alternate Email	**vc@tezu.ernet.in**
Address	**Napaam**
City/Town	**Tezpur**
State/UT	**Assam**
Pincode	**784028**

2. Institutional Status

University	**Central**
Type of Institution	**Co-education**
Location	**Rural**
Financial Status	**central**
Name of the IQAC co-ordinator/Director	**Debendra Chandra Baruah**
Phone no/Alternate Phone no.	**03712273181**
Mobile no.	**9435508563**
Registered Email	**iqac@tezu.ernet.in**
Alternate Email	**baruahd@tezu.ernet.in**

3. Website Address

Web-link of the AQAR: (Previous Academic Year)	http://www.tezu.ernet.in/IQAC/AQAR/AQAR2018.pdf

4. Whether Academic Calendar prepared during the year	**Yes**
if yes,whether it is uploaded in the institutional website: Weblink :	http://www.tezu.ernet.in/academic/2019/January/Academic_Calendar_2019.pdf

5. Accrediation Details

Cycle	Grade	CGPA	Year of Accrediation	Validity	
				Period From	Period To
1	**B+**	**76.80**	**2005**	**20-May-2005**	**19-May-2010**
2	**B**	**2.76**	**2011**	**08-Jan-2011**	**07-Jan-2016**
3	**A**	**3.25**	**2016**	**11-Jul-2016**	**10-Jul-2021**

6. Date of Establishment of IQAC	**16-Aug-2005**

7. Internal Quality Assurance System

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

PO PSO LO: Interaction on Curriculum	12-Oct-2018 1	300
Academic and Administrative Audit (AAA)	29-Oct-2018 3	4000
Sensitization Workshop for Development of MOOCs by TU Faculty	16-Nov-2018 1	300
Follow up action plan on Academic and Administrative Audit (AAA) Report 2018	13-Dec-2018 1	4000
Delebaration on preparation of Quality Research Proposal	02-Apr-2019 1	200
Progress Review Meeting on Follow-up Action on AAA2018	06-May-2019 1	4000
Induction Training of Faculty on Qaulity Assurance at Tezpur University	27-Nov-2018 1	25
Awareness on online CAS application software	25-Jan-2019 1	300
Standardization of Tezpur University Faculties engagement for different academic activities as per UGC Guidelines	09-Nov-2018 1	332
Quality Evaluation activities in connection with Faculty career advancement	23-Jul-2018 1	7
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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
Computer Science & Engineering	Centre of Excellence	MHRD	2014 2190	40000000
Computer Science & Engineering	UGC SAP (DRS-II)	UGC	2015 1825	7700000
Cultural Studies	Centre with Potential for Excellence in Particular Area (CPEPA)	UGC	2016 1825	23000000

Computer Science & Engineering	DST- FIST	DST	2018 1825	4400000
Chemical Sciences	SAP	UGC	2015 1460	15000000
Chemical Sciences	FIST	DST	2018 1825	25900000
Business Administration	SAP DRS II	UGC	2018 1825	3910000
Food Engineering and Technology	DST-FIST	DST, GoI	2014 1825	8500000
Food Engineering and Technology	UGC-SAP DRS-I	UGC	2016 1825	11650000
Molecular Biology & Biotechnology	FIST	DST	2018 1825	26600000
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9. Whether composition of IQAC as per latest NAAC guidelines:	**Yes**
Upload latest notification of formation of IQAC	View File
10. Number of IQAC meetings held during the year :	**2**
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	View File
11. Whether IQAC received funding from any of the funding agency to support its activities during the year?	**No**

12. Significant contributions made by IQAC during the current year(maximum five bullets)

Detail Auditing of all units (22 Departments, 12 Centres, 26 Adminstrative units, 12 Hostels, Infrastructure and Facilities) of the University over a period of 3 days by renonwed academiacians (six) resulting a Quality Roadmap for the University

Restructuring of the Dean of Students Welfare with introduction of Proctors Office and Implementation of delegation of administrative and financial power to Deans and HoDs

Research Collaboration with reputed Organizations (IASST, Guwahati, DRDO, Jorhat)
Implementation of Online UGC CAS Application Software for the University Faculty
Introductions of Students Mentoring Record Card and Online Feedback as per SSS (Students Satisfaction Survey) format

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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

Plan of Action	Achivements/Outcomes
Reform of administrative support to students	Proctorial Office is introduced to serve the student community in addition to Dean of Students Welfare
Policy as per Students convenience for use of facilities	Library opening hour is extended as per Students convenience
Implementation of the policy of decentralized budgeting as per recommendation of NAAC report	All the academic Departments are allotted budget where Deans of School monitors its progress of expenditure
Increasing awareness among the Faculty Members for Updating/Modification/Revision of the courses to achieve Outcome based learning	Revision of courses incorporated Outcome based learning components
Assessment of the implementation of Continuous Evaluation of all the Tests/Examinations by the Heads of the Departments/Deans to be regular practice	Progress of continuous evaluation is regularly practiced by the Academic Departments
Follow-up actions on Feedback on Courses and Course instructors	Followed up by the respective Departments
Enhancing research collaboration with reputed research organizations of the region	Meaningful collaboration begins with Institute of Advanced Study in Science and Technology (IASST), Guwahati and DRL (DRDO) by signing MoU
Maintaining desired quality and ethics in research	Quality publications and rigorous checking against all sorts of plagiarism has been a culture of the research in the University
Making Industry-Academia interaction as a part of policy tool	Policy documents for Industry-Academia interactions formulated
Availability of ICT enabled class rooms (including proper functioning) for all the Programmes is monitored	Students of all the Departments are provided ICT enabled/smart class rooms
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14. Whether AQAR was placed before statutory body ?	Yes

Name of Statutory Body	Meeting Date
Board of Management	22-Dec-2019

15. Whether NAAC/or any other accredited body(s) visited IQAC or interacted with it to assess the functioning ?	Yes

Date of Visit	30-Oct-2018

16. Whether institutional data submitted to AISHE:	Yes

Year of Submission	2018

Date of Submission	30-Sep-2018

17. Does the Institution have Management Information System ?	Yes

If yes, give a brief descripiton and a list of modules currently operational (maximum 500 words)	The University has put in place a management information system with the following components: 1. Online Leave Application and Approval System (OLAAS) through which faculty and administrative staff can avail leave. 2. Finance and Accounts information system which includes employees payroll, income tax processing, various claims and payments processing, projects fund information, and general accounts. 3. Students academic information and examination results processing system. 4. Online Guest House Booking, 5. Sponsored research project management system 6. Online Application System for promotion of faculty under UGC CAS. 7. Online Application System for fresh recruitments. 8. System for new students admission covering online application submission, entrance test management and admission counselling. 9. Library information system. 10. Online registration of grievances from students. The following remains to be implemented File tracking system, full fledged employees information system, full fledged students information system, stores and purchase system.

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
PG Diploma	PGDHN	Translation Hindi	14/05/2019
MSc	INTMSCLS	Integrated M.Sc in Life Sciences	14/05/2019
MA	MALLT	Linguistics & Languages Technology	14/05/2019
MA	MASOCIO	Sociology	14/05/2019
MA	MACFD	Communication for Development	14/05/2019
MBA	MBA	Master of Business Administration	16/11/2018
BTech	MEB	Mechanical Engineering	16/11/2018
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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
PG Diploma	Translation Hindi	14/05/2019	HN411 Prayojanmoolak Hindi, Bhasha Prayukti Aur Anuvad HN412 Hindi Bhasha Ki Samvaidhanik Sthiti Aur Anuvad HN413 Anuvad Vigyan Aur Uska Siddhant HN414 Karyalayee Hindi Aur Anuvad HN415 Pariyojana Karya –I HN421Anubad Ka Babyaharik Paksha HN422	14/05/2019
MSc	Integrated M.Sc in Life Sciences	14/05/2019	EG101 Communicative English NS101 National	14/05/2019

				Service Scheme DM101 Disaster Management LI313 Public Health and Hygiene	
MA	Linguistics & Languages Technology	14/05/2019		LG422 Phonetics and Phonology- I LG426 Phonetics and Phonology- II LG429 Field Linguistics LG511 Research Methodology LG517 Language Documentation and Grammar Writing	14/05/2019
MA	Sociology	14/05/2019		SC471 Social Statistics SC472 Population and Society SC573 Sociology of Health and Illness SC574 Environmental Sociology	14/05/2019
MA	Communication for Development	14/05/2019		CD420 Introduction to Audio & Video Production CD424 Media Message Designing for Development CD422 Participatory Audio and Video Production CD425 Campaign Planning CD426 Folk and Community Media CD414 Internship CD415 Project	14/05/2019
MBA	Master of Business Administration	16/11/2018		BA 552 Business Communication & Negotiation BA554 Information Technology Management	16/11/2018

			BA556 Quantitative Technique BA557 Organization Behaviour BA581 Research Methods in Business BA582 Financial Management BA584 Operation Management BA585 Integrated	
BTech	B.Tech (Mechanical Engineering)	16/11/2018	ME316: Computer-Aided Engineering	16/11/2018
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1.2 – Academic Flexibility

1.2.1 – New programmes/courses introduced during the Academic year

Programme/Course	Programme Specialization	Dates of Introduction
Mtech	Civil Engineering	26/07/2018
LLM	Master of Laws	26/07/2018
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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
MSc	Chemistry	27/07/2018
MSc	Physics	27/07/2018
MSc	Integrated M. Sc. in Physics	27/07/2018
B.Sc.B.Ed	Integrated B.Sc.B.Ed. In Physics	27/07/2018
MSc	Mathematics	27/07/2018
MSc	Integrated M. Sc. in Mathematics	27/07/2018
B.Sc.B.Ed	Integrated B.Sc.B.Ed. In Mathematics	27/07/2018
Mtech	Polymer Science & Technology	27/07/2018
MSc	Integrated M.Sc. in Chemistry	27/07/2018
B.Sc.B.Ed	Integrated B.Sc.B.Ed. In Chemistry	27/07/2018
MSc	Molecular Biology and Biotechnology	27/07/2018

MSc	Integrated M.Sc. Bioscience & Bioinformatics	27/07/2018
MSc	Environmental Science	27/07/2018
MA	English	27/07/2018
MA	Linguistics & Languages Technology	27/07/2018
MA	Linguistics & Endangered Languages	27/07/2018
MA	Integrated M.A. in English	27/07/2018
B.A.BEd	Integrated B.A.B.Ed. In English	27/07/2018
MA	Cultural Studies	27/07/2018
MA (Journalism)	Mass Communication & Journalism	27/07/2018
MA	Communication for Development	27/07/2018
MA	Sociology	27/07/2018
MA	Education	27/07/2018
MA	Social Work	27/07/2018
MA	Hindi	27/07/2018
PG Diploma	PG Diploma in Translation	27/07/2018
PG Diploma	Women Studies	27/07/2018
BEd	B. Ed.	27/07/2018
PG Diploma	Child Rights & Governance	27/07/2018
LLM	LLM	27/07/2018
Mtech	Food Engineering & Technology	27/07/2018
Mtech	Information Technology	27/07/2018
Mtech	Electronics Design & Technology	27/07/2018
Mtech	Bioelectronics	27/07/2018
Mtech	Energy Technology	27/07/2018
Mtech	Mechanical Engineering	27/07/2018
Mtech	Civil Engineering	27/07/2018
MCA	Master of Computer Application (MCA)	27/07/2018
MTTM	Master of Tourism & Travel Management	27/07/2018
MBA	Master of Business Administration	27/07/2018
BTech	Civil Engineering	27/07/2018
BTech	Computer Science and	27/07/2018

		Engineering	
BTech	Electronics and Comm. Engineering	27/07/2018
BTech	Mechanical Engineering	27/07/2018
BTech	Food Engineering and Technology	27/07/2018
BTech	Electrical Engineering	27/07/2018
MCom	Integrated M. Com.	27/07/2018
MCom	M.Com	27/07/2018
PhD or DPhil	Ph. D. in Chemical Sciences	27/07/2018
PhD or DPhil	Ph. D. in Environmental Sciences	27/07/2018
PhD or DPhil	Ph. D. in Mathematical Sciences	27/07/2018
PhD or DPhil	Ph. D. in Molecular Biology and Biotechnology	27/07/2018
PhD or DPhil	Ph. D. in Physics	27/07/2018
PhD or DPhil	Ph. D. in Cultural Studies	27/07/2018
PhD or DPhil	Ph. D. in Education	27/07/2018
PhD or DPhil	Ph. D. in English and Foreign Languages	27/07/2018
PhD or DPhil	Ph. D. in Hindi	27/07/2018
PhD or DPhil	Ph. D. in Mass Communication and Journalism	27/07/2018
PhD or DPhil	Ph. D. in Sociology	27/07/2018
PhD or DPhil	Ph. D. in Business Administration	27/07/2018
PhD or DPhil	Ph. D. in Civil Engineering	27/07/2018
PhD or DPhil	Ph. D. in Computer Science and Engineering	27/07/2018
PhD or DPhil	Ph. D. in Electronics and Communication Engineering	27/07/2018
PhD or DPhil	Ph. D. in Energy	27/07/2018
PhD or DPhil	Ph. D. in Food Engineering and Technology	27/07/2018
PhD or DPhil	Ph. D. in Mechanical Engineering	27/07/2018

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

Course	Date	Count
ES103: Environmental Science	01/01/2019	151
NCC001: NCC for Youth Empowerment	01/01/2019	21
BA543: Bio entrepreneurship	01/01/2019	31
NS102: NSS	01/01/2019	381
CA203: Communicative Assamese	26/07/2018	54
CL122: Basic Chinese II	26/07/2018	8
FL102: Basic France II	26/07/2018	17
GL102: Basic German II	26/07/2018	32
GL101: Basic German	26/07/2018	192
FL101: Basic France	26/07/2018	87
CL121: Basic Chinese I	26/07/2018	66
SW461: Concept methods and approaches in working with communities	26/07/2018	39
ED113: Professionalism in Teacher Education	26/07/2018	52
DM301: Disaster Management	26/07/2018	80
LW415: Human Right Issues and Law	26/07/2018	93
CE552: Construction Management	01/01/2019	16
YG001: Yoga For Promotion of Positive Health	26/07/2018	43
VL001: Violin	26/07/2018	5
EN550: Energy Society	26/07/2018	24
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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
MBA	Summer Internship Projects	63
MCom	Summer Internship Projects	27
PG Diploma	Field Immersion Programme at DCAC, Sivasagar	11
PG Diploma	Winter Internship Programme at Snehalaya, Guwahati; Bachpan Bachao Andolan, Guwahati; WAY Foundation North East, Guwahati; District Child	11

	Protection Unit (DCPU), Dibrugarh.	
Mtech	Industrial Summer Training	60
MA	As a part of course curriculum SW430: Fieldwork	16
MA	As a part of course curriculum SW549: Dissertation	16
MA	As a part of course curriculum SW550: Fieldwork	16
MA	Summer Internship during summer break (45 days mandatory)	32
MA	Summer Internship during winter break (01 month mandatory)	32
BTech	Food Engineering and Technology	24
BTech	CSE/IT	13
MA (Journalism)	Compulsory for MCJ and C4D students	83
BTech	Summer Internship	4
MA	As a part of course curriculum CT 527: Reading India through the Cinematic Lens	32
MA	As a part of course curriculum CT 537: Cross Cultural Studies: North East India and South East Asia	26
BEd	School Internship	43
MSc	Industrial Visit to IOCL, Bongaingaon Refinery on 20-03-2019	28
MSc	Summer Internship program	9
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1.4 – Feedback System

1.4.1 – Whether structured feedback received from all the stakeholders.

Students	Yes
Teachers	Yes
Employers	Yes
Alumni	Yes
Parents	No

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

Feedback Obtained
Student feedback on courses and teaching are taken for every batch after completion of teaching. These are analysed by the respective Academic Departments where the courses are offered. Need based changes are made for improvement as well as for revision and updating of the syllabus based on such analysis. The students' feedback are useful for several key decisions including procurement of additional books, learning materials, addition of new infrastructure in the class rooms etc. Major points on feedback are discussed in the Departmental Advisory Committees for appropriate action. Feedback of students on teaching is seen by the Head of the Department and the Dean of the School concerned and the respective faculty members. Faculty members make use of the feedback for desired improvement in the subsequent semesters. Heads and Deans counsel the faculty members where desirable. Thus, students' feedback system is helping the faculties to understand his/her strengths and weaknesses, and take appropriate action to improve his teaching. Teachers' feedback are received through (i) meetings held with the administration from time to time, (ii) Faculty representatives in various statutory and other committees, (ii) Representation from Faculty Association. These are duly considered by the University for bringing improvised guidelines of governance and for creating new infrastructures and services for effective teaching and learning process and for conducive research environment. Feedback from employers are usually taken by the Placement Cells and high points of feedback become helpful for the academic Departments for upgradation of curriculum and creation of new facilities. For the administration these help in fine tuning its policies.

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
MSc	Physics	30	976	30
MSc	Integrated M. Sc. in Physics	20	1561	19
B.Sc.B.Ed	Integrated B.Sc.B.Ed. In Physics	11	1561	10
MSc	Mathematics	43	601	41
MSc	Integrated M. Sc. in Mathematics	21	1823	20
B.Sc.B.Ed	Integrated B.Sc.B.Ed. In Mathematics	11	1823	7
MSc	Chemistry	22	965	22
Mtech	Polymer Science & Technology	11	19	7
MSc	Integrated M.Sc. in Chemistry	22	2946	20

B.Sc.B.Ed	Integrated B.Sc.B.Ed. In Chemistry	11	2946	10
MSc	Molecular Biology and Biotechnology	30	951	28
MSc	Integrated M.Sc. Bioscience & Bioinformatics	20	2281	14
MSc	Environmental Science	32	673	30
MA	English	50	1254	49
MA	Linguistics & Languages Technology	20	168	19
MA	Linguistics & Endangered Languages	20	64	14
MA	Integrated M.A. in English	24	1963	24
B.A.BEd	Integrated B.A.B.Ed. In English	12	1963	12
MA	Cultural Studies	47	118	31
MA (Journalism)	Mass Communication & Journalism	35	356	34
MA	Communication for Development	14	29	10
MA	Sociology	36	541	36
MA	Education	35	537	33
MA	Social Work	18	531	16
MA	Hindi	25	111	24
PG Diploma	Translation	23	9	4
PG Diploma	Women Studies	20	12	2
BEd	BEd	50	1914	47
PG Diploma	Child Rights & Governance	20	35	11
LLM	LLM	20	106	14
Mtech	Food Engineering & Technology	18	100	15
Mtech	Information Technology	28	155	23
Mtech	Electronics Design &	28	174	25

	Technology			
Mtech	Bioelectronics	15	70	9
Mtech	Energy Technology	28	165	28
Mtech	Mechanical Engineering	18	162	16
Mtech	Civil Engineering	9	136	9
MCA	Master of Computer Application (MCA)	45	696	42
MTTM	Master of Tourism & Travel Management	17	181	15
MBA	Business Administration	52	482	49
BTech	Civil Engineering	60	2974	58
BTech	Computer Science and Engineering	60	2974	52
BTech	Electronics and Comm. Engineering	60	2974	54
BTech	Mechanical Engineering	60	2974	55
BTech	Food Engineering and Technology	45	2974	31
BTech	Electrical Engineering	33	2974	30
MCom	Integrated M. Com.	30	977	27
MCom	MCom	6	318	6
PhD or DPhil	Chemical Sciences	35	175	14
PhD or DPhil	Environmental Sciences	9	116	4
PhD or DPhil	Mathematical Sciences	15	119	12
PhD or DPhil	Molecular Biology and Biotechnology	38	222	19
PhD or DPhil	Physics	24	162	17
PhD or DPhil	Cultural Studies	6	61	5

PhD or DPhil	Education	10	118	9
PhD or DPhil	English and Foreign Languages	19	250	14
PhD or DPhil	Hindi	5	59	5
PhD or DPhil	Mass Communication and Journalism	5	85	5
PhD or DPhil	Sociology	9	139	6
PhD or DPhil	Business Administration	16	106	8
PhD or DPhil	Civil Engineering	2	18	2
PhD or DPhil	Computer Science and Engineering	22	104	11
PhD or DPhil	Electronics and Communication Engineering	11	52	8
PhD or DPhil	Energy	12	34	6
PhD or DPhil	Food Engineering and Technology	23	40	15
PhD or DPhil	Mechanical Engineering	4	17	3

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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	1372	1927	269	269	269

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 Toolsand resources available	Number of ICT enabled Classrooms	Numberof smart classrooms	E-resources and techniques used
189	176	176	80	80	176

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

Tezpur University is committed to the upliftment of its students in their academic, personal and overall development for effectively transforming them from a learner to a leader in the changing world. The University is highly aware of the changing priorities of the society and the associated problems and prospects that may be

faced by the student's community. The University is also aware that the students come from diverse educational, social, economic, and cultural background and creating a level playing field for each of them is of utmost importance not only for the students, but also for overall growth of the society and the University. However, it is an arduous task. It has often found that students are physically away from their parents, may find themselves in situations where they are not being able to take proper decisions for their academic, personal, social, economic issues, and in the absence of a student support system for their various issues may lead them to wrong directions. In view of the above, the University has devised a rigorous system of student mentoring where each of the student is assigned a Mentor (a faculty member) and the mentor keeps in touch with the student through regular meeting through a structured Mentoring card. The following objectives are sought to be fulfilled through this system: 1. A personal touch with the student to create an impression about a family bonding 2. Continuously monitor, counsel, guide and motivate the student in all academic matters. 3. Advise the student regarding choice of electives, open electives, SWAYM courses, project, summer training etc. 4. Advise students in their career development/professional guidance 5. Advising and mentoring the student in case of any academic failure and to help them to cope up with the challenge 6. Advising a student for his/her social and economic needs 7. Maintain a detail progressive record of the student 8. Intimate HoD and suggest if any administrative action is called for. 9. Maintain a brief but clear record of all discussions with students 10. Contact parents/guardians if situation demands e.g. academic irregularities, negative behavioral changes and interpersonal relations, detrimental activities etc. It is expected that by following a rigorous system of mentoring, the relationship between teachers and students will grow further, make the students feel that they are being personally taken care of by someone even in the absence of their direct parental care. Students will be able to share with someone about allying their fear, psychosis, mental anxiety, academic stress, personal relations and any other issues which may hinder their academic and personal development.

Number of students enrolled in the institution	Number of fulltime teachers	Mentor : Mentee Ratio
3299	269	1:12

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
312	243	69	0	217

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. D. C. Baruah	Professor	Nomination for MHRD LEAP Programme
2019	Prof. Debabrata Das	Professor	Nomination for MHRD LEAP Programme
2019	Prof. Chandana Goswami	Professor	Nomination for MHRD LEAP Programme
2019	Prof. S. S. Sarkar	Professor	Nomination for MHRD LEAP Programme
2018	Prof. A. K. Mukherjee	Professor	Visitors Award for Research in Basic and Applied Sceinces2018, from honorable President of India at Rashtrapati Bhawan
2018	Prof. A. K.	Professor	Tata Innovation by

	Mukherjee		Department of Biotechnology, Ministry of Science and Technology, Govt. of India as Elected Fellow of the Royal Society of Biology (FRSB), United Kingdom,
2018	Dr. N. D. Namsa	Assistant Professor	DBT Overseas Associateship
2019	Dr. Polash Pratim Dutta	Assistant Professor	Gandhian Young Technological Innovation Award (GYTI)
2018	Prof. Pritam Deb	Professor	S Ramachandran National Bioscience Award, Department of Biotechnology, Govt of India
2018	Dr. Gazi A. Ahmed	Associate Professor	Visiting Associate of IUCAA, Pune, India
2018	Dr. Rupjyoti Gogoi	Assistant Professor	Visiting Associate of IUCAA, Pune, India
2019	Dr. M.M. Devi	Assistant Professor	Visiting Associate of IUCAA, Pune, India
2018	Prof. A. Kumar	Professor	Leadership for Academician Program at University of Hyderabad and Monash University, Australia
2018	Prof. Sunil Kanta Behera	Professor	Best Media Educator Award by Business World and Exchange4media.com
2018	Dr. B.K. Kakati	Assistant Professor	International Travel Support by DST to attend International Conference on Sustainable Energy and Green Technology
2018	Dr. Vikas Verma	Assistant Professor	International Travel Support by DST to attend International Conference on Sustainable Energy and Green

			Technology
2018	Prof. N. S . Islam	Professor	Indian Chemical Society (ICS) Professor D. P. Chakraborty 60th Birth Anniversary Commemoration Award, 2018

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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
PG Diploma	PGDCRG	Autumn Semester 2018	15/12/2018	09/01/2019
MSc	MSCCHEM	Spring semester 2019	30/05/2019	14/06/2019
MSc	MSCMATH	Spring semester 2019	30/05/2019	14/06/2019
MSc	MSCPHY	Spring semester 2019	30/05/2019	14/06/2019
MSc	MSCNANO	Spring semester 2019	30/05/2019	14/06/2019
MSc	MSCMBBT	Spring semester 2019	30/05/2019	14/06/2019
MSc	MSCENV	Spring semester 2019	30/05/2019	14/06/2019
MA	MACUL	Spring semester 2019	30/05/2019	14/06/2019
MA	MAENG	Spring semester 2019	30/05/2019	14/06/2019
MA (Journalism)	MAMCJ	Spring semester 2019	30/05/2019	14/06/2019
MA	MACFD	Spring semester 2019	30/05/2019	14/06/2019
MA	MASOCIO	Spring semester 2019	30/05/2019	14/06/2019
MA	MALLT	Spring semester 2019	30/05/2019	14/06/2019
MA	MALED	Spring semester 2019	30/05/2019	14/06/2019
MA	MAHIN	Spring semester 2019	30/05/2019	14/06/2019
MA	MASW	Spring semester 2019	30/05/2019	14/06/2019

MA	MAED	Spring semester 2019	30/05/2019	14/06/2019
BEd	BED	Spring semester 2019	30/05/2019	14/06/2019
MBA	MBA	Spring semester 2019	30/05/2019	14/06/2019
MTTM	MTTM	Spring semester 2019	30/05/2019	14/06/2019
MCom	MCOM	Spring semester 2019	30/05/2019	14/06/2019
MCA	MCA	Spring semester 2019	30/05/2019	14/06/2019
Mtech	MTECHFET	Spring semester 2019	30/05/2019	14/06/2019
Mtech	MTECHEN	Spring semester 2019	30/05/2019	14/06/2019
Mtech	MTECHBE	Spring semester 2019	30/05/2019	14/06/2019
Mtech	MTECHELDT	Spring semester 2019	30/05/2019	14/06/2019
Mtech	MTECHIT	Spring semester 2019	30/05/2019	14/06/2019
Mtech	MTECHME	Spring semester 2019	30/05/2019	14/06/2019
Mtech	MTEHCPOLY	Spring semester 2019	30/05/2019	14/06/2019
BTech	BTECHCSE	Spring semester 2019	30/05/2019	14/06/2019
BTech	BTECHECE	Spring semester 2019	30/05/2019	14/06/2019
BTech	BTECHME	Spring semester 2019	30/05/2019	14/06/2019
BTech	BTECHCE	Spring semester 2019	30/05/2019	14/06/2019
BTech	BTECHFET	Spring semester 2019	30/05/2019	14/06/2019
BTech	BTECHEE	Spring semester 2019	30/05/2019	14/06/2019
MSc	INTMSCBB	Spring semester 2019	30/05/2019	14/06/2019
MSc	INTMSCPH	Spring semester 2019	30/05/2019	14/06/2019
MSc	INTMSCCH	Spring semester 2019	30/05/2019	14/06/2019
MSc	INTMSCMH	Spring semester 2019	30/05/2019	14/06/2019
MCom	INTMCOM	Spring semester 2019	30/05/2019	14/06/2019

MA	INTMAENG	Spring semester 2019	30/05/2019	14/06/2019
B.A.BEd	INTBABEDEN	Spring semester 2019	30/05/2019	14/06/2019
B.Sc.B.Ed	INTBSCBEDMH	Spring semester 2019	30/05/2019	14/06/2019
B.Sc.B.Ed	INTBSCBEDCH	Spring semester 2019	30/05/2019	14/06/2019
B.Sc.B.Ed	INTBSCBEDPH	Spring semester 2019	30/05/2019	14/06/2019
BVoc	BVOCRE	Spring semester 2019	30/05/2019	14/06/2019
PG Diploma	PGDHT	Spring semester 2019	30/05/2019	14/06/2019
PG Diploma	PGDWS	Spring semester 2019	30/05/2019	14/06/2019
PG Diploma	PGDCRG	Spring semester 2019	30/05/2019	14/06/2019
B.A.BEd	INTBABEDEN	Spring semester 2019	30/05/2019	28/06/2019
B.Sc.B.Ed	INTBSCBEDMH	Spring semester 2019	30/05/2019	28/06/2019
B.Sc.B.Ed	INTBSCBEDCH	Spring semester 2019	30/05/2019	28/06/2019
B.Sc.B.Ed	INTBSCBEDCH	Spring semester 2019	30/05/2019	28/06/2019
BVoc	BVOCRE	Spring semester 2019	30/05/2019	28/06/2019
BVoc	BVOCFP	Spring semester 2019	30/05/2019	28/06/2019
MSc	MSCCHEM	Spring semester 2019	30/05/2019	28/06/2019
MSc	MSCMATH	Spring semester 2019	30/05/2019	28/06/2019
MSc	MSCPHY	Spring semester 2019	30/05/2019	28/06/2019
MSc	MSCMBBT	Spring semester 2019	30/05/2019	28/06/2019
MSc	MSCENV	Spring semester 2019	30/05/2019	28/06/2019
MA	MACUL	Spring semester 2019	30/05/2019	28/06/2019
MA	MAENG	Spring semester 2019	30/05/2019	28/06/2019
MA (Journalism)	MAMCJ	Spring semester 2019	30/05/2019	28/06/2019
MA	MACFD	Spring semester 2019	30/05/2019	28/06/2019

MA	MASOCIO	Spring semester 2019	30/05/2019	28/06/2019
MA	MALLT	Spring semester 2019	30/05/2019	28/06/2019
MA	MALED	Spring semester 2019	30/05/2019	28/06/2019
MA	MAHIN	Spring semester 2019	30/05/2019	28/06/2019
MA	MASW	Spring semester 2019	30/05/2019	28/06/2019
MA	MAED	Spring semester 2019	30/05/2019	28/06/2019
BEd	BED	Spring semester 2019	30/05/2019	28/06/2019
MBA	MBA	Spring semester 2019	30/05/2019	28/06/2019
MTTM	MTTM	Spring semester 2019	30/05/2019	28/06/2019
MCom	MCOM	Spring semester 2019	30/05/2019	28/06/2019
MCA	MCA	Spring semester 2019	30/05/2019	28/06/2019
Mtech	MTECHFET	Spring semester 2019	30/05/2019	28/06/2019
Mtech	MTECHEN	Spring semester 2019	30/05/2019	28/06/2019
Mtech	MTECHBE	Spring semester 2019	30/05/2019	28/06/2019
Mtech	MTECHELDT	Spring semester 2019	30/05/2019	28/06/2019
Mtech	MTECHIT	Spring semester 2019	30/05/2019	28/06/2019
Mtech	MTECHME	Spring semester 2019	30/05/2019	28/06/2019
Mtech	MTECHCE	Spring semester 2019	30/05/2019	28/06/2019
LLM	LLM	Spring semester 2019	30/05/2019	28/06/2019
Mtech	MTEHCPOLY	Spring semester 2019	30/05/2019	28/06/2019
BTech	BTECHCSE	Spring semester 2019	30/05/2019	28/06/2019
BTech	BTECHECE	Spring semester 2019	30/05/2019	28/06/2019
BTech	BTECHME	Spring semester 2019	30/05/2019	28/06/2019
BTech	BTECHCE	Spring semester 2019	30/05/2019	28/06/2019

BTech	BTECHFET	Spring semester 2019	30/05/2019	28/06/2019
BTech	BTECHEE	Spring semester 2019	30/05/2019	28/06/2019
MSc	INTMSCBB	Spring semester 2019	30/05/2019	28/06/2019
MSc	INTMSCPH	Spring semester 2019	30/05/2019	28/06/2019
MSc	INTMSCCH	Spring semester 2019	30/05/2019	28/06/2019
MSc	INTMSCMH	Spring semester 2019	30/05/2019	28/06/2019
MCom	INTMCOM	Spring semester 2019	30/05/2019	28/06/2019
MA	INTMAENG	Spring semester 2019	30/05/2019	28/06/2019
MSc	MSCCHEM	Autumn Semester 2018	15/12/2018	09/01/2019
MSc	MSCMATH	Autumn Semester 2018	15/12/2018	09/01/2019
MSc	MSCPHY	Autumn Semester 2018	15/12/2018	09/01/2019
MSc	MSCNANO	Autumn Semester 2018	15/12/2018	09/01/2019
MSc	MSCMBBT	Autumn Semester 2018	15/12/2018	09/01/2019
MSc	MSCENV	Autumn Semester 2018	15/12/2018	09/01/2019
MA	MACUL	Autumn Semester 2018	15/12/2018	09/01/2019
MA	MAENG	Autumn Semester 2018	15/12/2018	09/01/2019
MA (Journalism)	MAMCJ	Autumn Semester 2018	15/12/2018	09/01/2019
MA	MACFD	Autumn Semester 2018	15/12/2018	09/01/2019
MA	MASOCIO	Autumn Semester 2018	15/12/2018	09/01/2019
MA	MALLT	Autumn Semester 2018	15/12/2018	09/01/2019
MA	MALED	Autumn Semester 2018Autumn Semester 2018	15/12/2018	09/01/2019
MA	MAHIN	Autumn Semester 2018	15/12/2018	09/01/2019
MSW	MASW	Autumn Semester 2018	15/12/2018	09/01/2019

MA	MAED	Autumn Semester 2018	15/12/2018	09/01/2019
BEd	BED	Autumn Semester 2018	15/12/2018	09/01/2019
MBA	MBA	Autumn Semester 2018	15/12/2018	09/01/2019
MTTM	MTTM	Autumn Semester 2018	15/12/2018	09/01/2019
MCom	MCOM	Autumn Semester 2018	15/12/2018	09/01/2019
MCA	MCA	Autumn Semester 2018	15/12/2018	09/01/2019
Mtech	MTECHFET	Autumn Semester 2018	15/12/2018	09/01/2019
Mtech	MTECHEN	Autumn Semester 2018	15/12/2018	09/01/2019
Mtech	MTECHBE	Autumn Semester 2018	15/12/2018	09/01/2019
Mtech	MTECHELDT	Autumn Semester 2018	15/12/2018	09/01/2019
Mtech	MTECHIT	Autumn Semester 2018	15/12/2018	09/01/2019
Mtech	MTECHME	Autumn Semester 2018	15/12/2018	09/01/2019
Mtech	MTEHCPOLY	Autumn Semester 2018	15/12/2018	09/01/2019
Mtech	MTECHCE	Autumn Semester 2018	15/12/2018	09/01/2019
LLM	LLM	Autumn Semester 2018	15/12/2018	09/01/2019
BTech	BTECHCSE	Autumn Semester 2018	15/12/2018	09/01/2019
BTech	BTECHECE	Autumn Semester 2018	15/12/2018	09/01/2019
BTech	BTECHME	Autumn Semester 2018	15/12/2018	09/01/2019
BTech	BTECHCE	Autumn Semester 2018	15/12/2018	09/01/2019
BTech	BTECHFET	Autumn Semester 2018	15/12/2018	09/01/2019
BTech	BTECHEE	Autumn Semester 2018	15/12/2018	09/01/2019
MSc	INTMSCBB	Autumn Semester 2018	15/12/2018	09/01/2019
MSc	INTMSCPH	Autumn Semester 2018	15/12/2018	09/01/2019
MSc	INTMSCCH	Autumn Semester 2018	15/12/2018	09/01/2019

MSc	INTMSCMH	Autumn Semester 2018	15/12/2018	09/01/2019
MCom	INTMCOM	Autumn Semester 2018	15/12/2018	09/01/2019
MA	INTMAENG	Autumn Semester 2018	15/12/2018	09/01/2019
B.A.BEd	INTBABEDEN	Autumn Semester 2018	15/12/2018	09/01/2019
B.Sc.B.Ed	INTBSCBEDMH	Autumn Semester 2018	15/12/2018	09/01/2019
B.Sc.B.Ed	INTBSCBEDCH	Autumn Semester 2018	15/12/2018	09/01/2019
B.Sc.B.Ed	INTBSCBEDPH	Autumn Semester 2018	15/12/2018	09/01/2019
BVoc	BVOCRE	Autumn Semester 2018	15/12/2018	09/01/2019
BVoc	BVOCFP	Autumn Semester 2018	15/12/2018	09/01/2019
PG Diploma	PGDHT	Autumn Semester 2018	15/12/2018	09/01/2019
PG Diploma	PGDWS	Autumn Semester 2018	15/12/2018	09/01/2019

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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
58	3289	1.76

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)

http://www.tezu.ernet.in/

 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
MSCCHEM	MSc	Chemistry	20	20	100
MSCMATH	MSc	Mathematics	41	35	85.37
MSCPHY	MSc	Physics	16	16	100
MSCNANO	MSc	NanoScience & Technology	18	18	100
MSCMBBT	MSc	MBBT	25	25	100
MSCENV	MSc	Environmental Science	30	30	100

MACUL	MA	Cultural Studies	40	39	97.50
MAENG	MA	English	49	49	100
MAMCJ	MA (Journalism)	Mass Communication & Journalism	32	32	100
MACFD	MA	Communication for Development	9	9	100
MASOCIO	MA	Sociology	32	31	96.88
MALLT	MA	Lingustics & Language Technology	19	19	100
MALED	MA	Linguistics & Endangered Languages	18	18	100
MAHIN	MA	Hindi	26	25	96.15
MASW	MSW	Social Work	16	13	81.25
MAED	MA	Education	30	30	100
BED	BEd	B.Ed	43	43	100
MBA	MBA	MBA	50	48	96
MTTM	MTTM	Tourism & Travel Management	16	16	100
MCOM	MCom	M.Com.	12	12	100
MCA	MCA	MCA	30	28	93.33
MTECHFET	Mtech	Food Engineering & Technology	16	16	100
MTECHEN	Mtech	Energy Technology	27	27	100
MTECHBE	Mtech	Bioelectronics	13	13	100
MTECHELDT	Mtech	Electronics Design and Technology	27	27	100
MTECHIT	Mtech	IT	24	23	95.83
MTECHME	Mtech	Mechanical Engineering	15	15	100
MTEHCPOLY	Mtech	Polymer Science & Technology	7	7	100
BTECHCSE	BTech	Computer Science & Engineering	59	58	98.31
BTECHECE	BTech	Electronics & Communication	48	46	95.83

		Engineering			
BTECHME	BTech	Mechanical Engineering	51	51	100
BTECHCE	BTech	Civil Engineering	52	51	98.08
BTECHFET	BTech	Food Engineering & Technology	24	24	100
BTECHEE	BTech	Electrical Engineering	28	27	96.43
INTMSCBB	MSc	Integrated M.Sc in Bioscience & Bioinformatics	10	9	90.00
INTMSCPH	MSc	Integrated M.Sc in Physics	16	14	87.50
INTMSCCH	MSc	Integrated M.Sc in Chemistry	21	20	95.24
INTMSCMH	MSc	Integrated M.Sc in Mathematics	15	11	73.33
INTMCOM	MCom	Integrated M.Com	15	15	100
INTMAENG	MA	Integrated M A in English	19	19	100
INTMSCPHLE	MSc	Integrated M.Sc in Physics (Provision of Lateral exit with B.Sc)	2	2	100
INTMSCBBLE	MSc	Integrated M.Sc in Bioscience & Bioinformatics (Provision of Lateral exit with B.Sc)	7	7	100
INTMSCCHLE	MSc	Integrated M.Sc in Chemistry(Provision of Lateral exit with B.Sc)	4	4	100
INTMSCMHLE	MSc	Integrated M.Sc in Math	5	5	100

		ematics(Provision of Lateral exit with B.Sc)			
INTMCOMLE	MCom	Integrated M.Com (Provision of Lateral exit with B.Com)	12	12	100
INTMAENGLE	MA	Integrated M A in English (Provsion of lateral exit with BA)	8	8	100
INTBABEDEN	B.A.BEd	Integrated BA Bed(English Major)	9	9	100
INTBSCBEDMH	B.Sc.B.Ed	Integrated B.Sc B.Ed (Mathematics Major	6	6	100
INTBSCBEDCH	B.Sc.B.Ed	Integrated B.Sc B.Ed (Chemistry Major)	7	7	100
INTBSCBEDOH	B.Sc.B.Ed	Integrated B.Sc B.Ed (Physics Major)	3	3	100
BVOCRE	BVoc	B.Voc in Renewable Energy Management	13	13	100
BVOCFP	BVoc	B.Voc in Food Processing	24	20	83.33
PGDHT	PG Diploma	PG Diploma Translation (Hindi)	2	2	100
PGDWS	PG Diploma	PG Diploma in Women Studies	1	1	100
PGDCRG	PG Diploma	PG Diploma in Child Rights and Governance	10	10	100
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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://www.tezu.ernet.in/IQAC/

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
International	Dr. Vikas Verma	3rd Brics Young Scientist Forum, Durban, South Africa	29/06/2018	DST
International	Prof. Rupam Kataki	DBT Overseas Associate ship to Washington State University	01/07/2019	DBT
National	Professor A.K. Mukherjee	Tata Innovation Fellowship (201718)	29/06/2018	DBT Govt. of India
National	Prof. Debendra Chandra Baruah	Selection for LEAP	23/02/2019	LEAP organizing Institute, MHRD
International	Dr. P. Nath	INSA bilateral exchange program2019	14/07/2019	NanoOpto group at the Dept of Applied Physics, University of Hebrew, Jerusalem.
National	Dr. Rupjyoti Gogoi	Visiting Associate of IUCAA, Pune, India	01/08/2019	IUCAA, Pune
National	Dr. Moon Moon Devi	Visiting Associate of IUCAA, Pune, India	01/08/2019	IUCAA, Pune
National	Dr. Gazi Ameen Ahmed	Visiting Associate of IUCAA, Pune, India	01/08/2019	IUCAA, Pune
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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
SRF	1825	UGC
JRF	1825	UGC

Doctoral Fellowship	730	ICSSR
Institutional Doctoral Fellowship	1460	Tezpur University
UGC NET	1460	UGC
UGC MANF (Maulana Azad National Fellowship)	1460	UGC
UGC NFOBC	1460	UGC
CoE PDF	1825	MHRD
CoE SRF	1825	MHRD
CoE JRF	1825	MHRD
CoE TA	1825	MHRD
JRF	1095	ICSSR
UGC NETJRF	1825	UGC
Institutional Fellowship	1825	Tezpur University
JRF	1825	DST
SRF	1095	DBT
Project Assistant	365	DSIR
NDF	1095	AICTE
Research Associate (under UGC's project CPEPA	1825	UGC
UGC BSR fellowship	1825	UGC
UGC RGNFSC fellowship	1095	UGC
GATE	730	AICTE
DST INSPIRE Fellowship	1825	DST
NTRF	365	NTRF
CSIR	1095	CSIR
DST RFBR (Russia)	730	DST RFBR
Research Associate, DST	1095	DST
NPDF	1825	DST
SRF	1825	Maulana Azad National Scholarship for Minority Students
National Fellowship for ST Students	1825	Ministry of tribal affairs
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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	1825	UGC	76	11.7
Major Projects	365	NNM	7	2.5
Major Projects	1095	AICTE	17.5	16.85

Major Projects	730	AICTE	13.45	13.45
Major Projects	730	ICMR, New Delhi	17.06	6.66
Major Projects	90	UNICEF	19	19
Major Projects	1095	AICTE	11	10.83
Major Projects	365	DSIR	9.7	5
Projects sponsored by the University	180	Tezpur University	0.57	0.56
Projects sponsored by the University	365	Tezpur University	0.5	0.49
Minor Projects	1095	DSTSERB under MATRICS scheme	6.6	2.2
Minor Projects	1095	DSTSERB under MATRICS scheme	6.6	2.2
Minor Projects	1095	DSTSERB under MATRICS scheme	6.6	4.4
Minor Projects	1095	DSTSERB under MATRICS scheme	6.6	2.2
Minor Projects	1095	NBHM	15.1	5.03
Minor Projects	1095	DSTSERB under MATRICS scheme	6.6	2.2
Major Projects	1095	CSIR	20	0
Major Projects	730	DST	10.15	0
Major Projects	1095	DST	43.77	4
Major Projects	1095	CSIR	5.4	0
Major Projects	1095	SERB	26.26	1
Major Projects	1095	SERB	35.04	2.02
Major Projects	1095	CSIR	28.25	8.32
Major Projects	1095	SERB	45.17	10
Major Projects	1095	SERB	24.9	7.5
Major Projects	1095	SERB	29.93	5
Major Projects	730	CSIR	24	0
Major Projects	1095	SERB	64.97	0
Major Projects	1095	SERB	29.49	1.5
Major Projects	1095	SERB	47	0
Major Projects	1095	DBT	61.95	0
Major Projects	1095	SERB	47.4	0
Major Projects	1095	CSIR	20	2
Major Projects	1095	SERB	44.35	6
Major Projects	1095	CSIR	20	0
Major Projects	1095	SERB	27.36	3
Major Projects	1095	SERB	23.42	6

Major Projects	1095	SERB	48.7	10
InternationalProjects	730	DST RFBR (IndoRussian)	21.84	11.47
Major Projects	1460	DBT, UGC, INSA,SERB, DST, ICMR	1787.49	425.6
Major Projects	1095	DST	26	26
Minor Projects	1095	DBT	56.39	56.39
Industry sponsored Projects	180	MHRD (TLC TU)	0.25	0.09
Major Projects	1095	CSIR, New Delhi	10.33	10.33
Major Projects	1825	DeitY	356	71.34
Major Projects	1095	DST SERB	19	6.33
Major Projects	1095	ISRO	25.79	8.59
Major Projects	1825	Visvesvaraya	10	2
Major Projects	1825	DST(FIST) Govt of India	44	0
Major Projects	1095	Media Lab Asia, ITRA, MeitY, Govt of India	26.1	0
Major Projects	1095	DBT, Govt. of India	30.78	0
Major Projects	1825	DeitY	65	0
Major Projects	2190	MHRD	400	39.56
Major Projects	1825	DeitY	120	0
Major Projects	1825	UGC SAP (DRSII)	77	40
Major Projects	1095	AICTE	17.1	16.09
InternationalProjects	365	UNICEF	21.53	14.49
Major Projects	1095	AICTE	16.47	5.49
Minor Projects	730	Assam Science Council	2.04	2.04
Minor Projects	730	ICSSR	4	4
Minor Projects	365	MAKAIAS	3.1	0
Minor Projects	365	NCW	4.75	1.9
Any Other (Specify)	365	ASTEC	0.2	0.2
Major Projects	1825	UGC	89.05	89.05
Major Projects	1095	CSIR, New Delhi	11.06	11.06
Major Projects	1095	SERB DST, New Delhi.	19.65	19.65
Major Projects	1095	ISRO	16.28	16.28
Major Projects	365	UNICEF	11	11

Major Projects	1095	AICTE	20.75	20.43
Major Projects	1825	UGC	230	28.56
Major Projects	1095	UGC DAE, Kolkata	11	11
Major Projects	1095	SERB, DST	16.93	16.93
Students Research Projects (Other than compulsory by the University)	365	Research Innovation (approx. 0.5 lakhs awarded to five students of the Department)	2.5	2.5
Students Research Projects (Other than compulsory by the University)	365	UGC	6.23	6.23
Students Research Projects (Other than compulsory by the University)	365	Tezpur University (2 projects)	1	1
InternationalPr ojects	730	JSPS DST	10	10
Major Projects	1095	UGC DAE CSR Kolkata	6.07	6.07
Major Projects	1825	UNICEF, UGC, Ministry of Rural Development	155.9	86.47
Interdisciplina ry Projects	1095	UGC DAECSR, Mumbai	10.71	10.71
Interdisciplina ry Projects	1095	DAE BRNS	34.33	34.33
Interdisciplina ry Projects	1095	DeitY	216	216
Interdisciplina ry Projects	1095	DST	86.96	86.96
Projects sponsored by the University	210	Tezpur University	0.55	0.55
Major Projects	60	UNICEF	8.37	8.37
Major Projects	730	ICMR, New Delhi	36.4	19.41
Major Projects	240	UNICEF, Guwahati.	14.91	14.91
Major Projects	365	UNICEF, Guwahati.	5.5	5.5

Major Projects	182	UNICEF Guwahati	5.15	5.15
Major Projects	1095	DST	28.4	13
Major Projects	1825	DST(FIST)	192	192
Major Projects	1095	SERB DST	50.1	50.1
Major Projects	1095	CSIR, New Delhi	2.07	2.07
Major Projects	1460	CSIR, New Delhi	14	14
Major Projects	730	UGC DAE CSR	14	14
Major Projects	1095	DBT, Govt. of India	15	15
Major Projects	1095	IUAC, New Delhi	6.75	6.75
Major Projects	2555	ICAR	128	78.78
Major Projects	730	DBT	79.6	0
Major Projects	730	MoFPI	33.03	33.03
Major Projects	730	UGC	10	8
Major Projects	1095	SERB DST	26.62	0
Major Projects	1095	LSRB DRDO	22.53	0
Major Projects	1095	DBT	32.74	0
Major Projects	730	DRDO, New Delhi	22.73	15.6
Major Projects	1095	DBT	59.35	3.8
Major Projects	1095	AICTE, New Delhi	21.1	20.79
Interdisciplinary Projects	1095	DST, New Delhi	40	40
Interdisciplinary Projects	1095	ICMR, New Delhi	29.58	29.58
Interdisciplinary Projects	1095	SERB DST	43.66	43.66
Major Projects	730	BIRAC SRISTI GYTI,	15	15
Major Projects	1095	SERB DST	21.96	21.96
Major Projects	1095	SERB DST	6.17	6.17
		View File		

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
Oneweek workshop on "Decoding Social Media: Uses and Abuses"	Dept. of Mass Communication and Journalism in collaboration with TLC, TU	11/02/2019
MHRD NRC Centre (Online Refresher Course in Mass Communication)	Mass Communication and Journalism	31/12/2018

1st Industry Academia Conclave on "Role of Innovation and Technology for Sustainable Development : Integrating Transformation with Sustainability (RITES2018)"	IPR Cell	26/04/2018
A special workshop for school children on "IPR in fundamental Years of Learning"	IPR Cell	01/10/2018
2nd Industry Academia Conclave on "Translational Research and Innovation…...making use of IPR across value chain"	IPR Cell	30/12/2018
Industry Academia Conclave (Tezpur University Silver Jubilee Celebration Programme)	Centre for University Industry Interface (CUII), Tezpur University	20/01/2019
Skill Development Program on "Bakery and Bakery Product" organized by Adani Wilmar Limited (AWL) 4 Days	Food Engineering and Technology	09/05/2018
Twoday workshop on ISO/IEC 17025:2017 (General requirements for the competence of testing and calibration laboratories)	Food Engineering and Technology	08/05/2019
5day Workshop on Strategic Creative Thinking for Accelerating Social Change and Development	Mass Communication and Journalism	09/10/2018
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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
Gandhian Young Technological Innovation Award (GYTI) 2019 award for development of an automatic panipuri vending machine.	Saurav Jyoti Sarma, Abhijit Nath, Chandeep Suman Gogoi under supervision of Dr. Polash Pratim Dutta	BIRACSRISTI	06/07/2019	Technological innovation
Extremely lowcost	Mr. Sritam Biswas	National Conference on	17/07/2019	Research Scholar

paperbased SERS substrate for the detection and analysis of arsenic level in the water		Light Matter Interaction at Nanoscale (LMIN 2019) held at Indira Gandhi Center for Atomic Research, Kalpakkam, Tami Nadu, India		
Panipuri Vending Machine	Saurav Jyoti Sarma, Abhijit Nath and Chandeep S. Gogoi	SHRISTIGandhian Young Technological Innovation (GYTI) Award	06/07/2019	Health and hygiene
Tata Innovation Fellowship (201718)	Professor A.K. Mukherjee	DBT Govt. of India	29/06/2018	National

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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
CIIE	Centre for Innovation Incubation and Entrepreneurship	Tezpur University	Campus Tuition	Service	20/02/2019

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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
Business Administration	3
Mechanical Engineering	3
Food Engineering Technology	2
Computer Science Engineering	7
Hindi	1
English Foreign Languages	6
Physics	11
Chemical Sciences	7
Cultural Studies	1
Education	1
Energy	1
Molecular Biology Biotechnology	4
Environmental Science	5
Electronics Communication Engineering	5
Mathematical Sciences	6

	Mass Communication Journalism		1	

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)
International	Environmental Science	10	2.63
International	Mathematical Sciences	3	0
International	Education	9	0
International	Energy	36	3.25
International	Food Engineering Technology	46	2.56
International	Cultural Studies	3	0
International	Electronics Communication Engineering	39	2.2
International	Computer Science Engineering	22	0
International	Chemical Sciences	85	3.05
National	Business Administration	2	0
National	Commerce	1	0
National	Sociology	3	0
National	English Foreign Languages	9	0
National	Mass Communication Journalism	4	0
National	Cultural Studies	10	0
National	Hindi	4	0
National	Centre for Women Studies	3	4
National	Civil Engineering	3	1.6
National	Social Work	2	0
National	Education	6	0
International	Mechanical Engineering	21	2.14
International	Social Work	2	0
International	Physics	90	3
International	English Foreign Languages	4	0
International	Mass Communication Journalism	2	0

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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
Commerce	1
Mechanical Engineering	12
LAW	2
Electronics Communication Engineering	7
Environmental Science	3
Education	6
Molecular Biology and Biotechnology	10
Mathematical Sciences	1
MBBT	10
Business Administration	1
Social Work	2
Food Engineering Technology	17
Computer Science Engineering	27
Sociology	5
Physics	8
Civil Engineering	2
Hindi	3
Energy	9
Cultural Studies	3
Centre for Women Studies	5
View File	

3.4.4 – Patents published/awarded/applied during the year

Patent Details	Patent status	Patent Number	Date of Award
A continuous jiggery making machine	Filed	TEMP/E-1/1	27/03/2019
A single step process for synthesis of polyaniline nanofiber reinforced polymer nanocomposites	Published	297449	06/06/2018
A tough synthetic low dielectric hyperbranched epoxy thermoset and a process of preperation thereof	Published	312661	13/05/2019
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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
A review on lake eutrophication dynamics and recent developments in lake modeling	B Bhagowati, KU Ahamad	Ecohydrology Hydrobiology	2019	0	Tezpur University	0
Equilibrium and kinetics modeling of fluoride adsorption onto activated alumina, alum and brick powder	KU Ahamad, R Singh, I Baruah, H Choudhury, MR Sharma	Groundwater for Sustainable Development	2018	0	Tezpur University	0
Vibration reduction of eccentric steel 3D framed building considering soil flexibility	Bharadwaj K, Mondal B Debnath N	Journal of the Institution of Engineers (India): Series A	2019	0	Tezpur University	0
Optimization of Solar Coupled Heat Pump System for Space Heating Application using Taguchi Method	Verma V, Murugesan K and Kakati BK	IOP Conference Series: Earth and Environmental Science	2019	0	Tezpur University	0
Insitu synthesis and characterization of metal free heteroatom doped	Boro B, Kakati B K, Zahan S M and Verma V	IOP Conference Series: Earth and Environmental Science	2019	0	Tezpur University	0

graphene based oxygen reduction reaction catalyst from pyrolysed Assam silk cocoons						
Prospects of decentralized renewable energy to improve energy access: A resourceinventorybased analysis of South Africa	Baruah DC Enweremadu, CC	Renewable and Sustainable Energy Reviews	2019	0	Tezpur University	0
Detailed physicochemical and thermochemical investigation of Upper Assam oil shale	Baruah B, Kataki R, Thakur P Tiwari P	Journal of Thermal Analysis and Calorimetry	2019	0	Tezpur University	0
Recent trends in the pretreatment of lignocellulosic biomass for valueadded products	Baruah J, Nath B K, Sharma R, Kumar S, Deka RC, Baruah DC Kalita E	Frontiers in Energy Research	2018	0	Tezpur University	0
Synthesis and application of Co doped ZnO as heterogeneous nanocatalyst for biodiesel production from nonedible oil	Borah MJ, Devi A, Borah R Deka D	Renewable Energy	2019	0	Tezpur University	0

Paper Title	Authors	Journal Name	Year		University	
Transester ification of waste cooking oil for biodiesel production catalyzed by Zn subs tituted waste egg shell derived CaO nanoca talyst	Borah MJ, Das A, Das V, Bhuyan N Deka D	Fuel	2019	0	Tezpur University	0
Biodiesel production from waste cooking oil catalyzed by insitu decorated TiO2 on reduced graphene oxide nano composite	Borah MJ, Devi A, Saikia RA Deka D	Energy	2018	0	Tezpur University	0
Thermodyna mic optimi zation of coalbiomas s cogasifi cation process by using nons toichiomet ric equili brium modeling.	Das S, Sarkar PK Mahapatra S	Materials Today: Pro ceedings	2018	0	Tezpur University	0
Impact of Time Expen diture on Household Preference s for Cooking Fuels.	Das K, Hiloidhari M, Baruah DC Nonhebel S	Energy	2018	0	Tezpur University	0
"Dams, 'De velopment' and Popular Resistance in Northeast India"	Chandan Sharma	Sociologic al Bulletin 67 (3)	2018	0	Tezpur University	0

Discourse Patterns in English as an L2 Classroom in India" International Journal of Instruction	Dr Sarat Kumar Doley	International Journal of Instruction	2019	0	Tezpur University	0
Mesoporous 3D carbon framework encapsulated manganese oxide nano particles as biocompatible T1 MR imaging probe	K. Deka, A. Guleria, D. Kumar, J. Biswas, S. Lodha, S. D. Kaushik, S. Dasgupta and P. Deb	Colloids and Surfaces A	2018	0	Tezpur Univesity	0
Interactions of Alkali and AlkalineEarth Metals in WaterSoluble Heterometallic FeIII/M (M Na, K, Ca2)Type Coordination Complex.	B. Phukan, S. Ghorai, K. Deka, P. Deb and C. Mukherjee.	Crystal Growth Design	2018	0	Tezpur University	0
PAW mediated ab initio simulations on linear response phonon dynamics of anisotropic black phosphorous monolayer for thermoelectric applications.	S. K. Behera and P. Deb	Physical Chemistry Chemical Physics	2018	0	Tezpur University	0
A green colorimetric	B. S. Boruah, R.	Optics Laser	2019	0	Tezpur University	0

approach towards detection of arsenic (III): A pervasive environmental pollutant.	Biswas and P. Deb	Technology					
Effect of pHshifting treatment on structural and functional properties of whey protein isolate and its in teraction with (?)ep igallocate chin3galla te	Chen, W., Wang, W., Ma, X., Lv, R., Watharkar, R. B., Ding, T., Liu, D.	Food Chemi stry, 274, 234241	2019	0	Tezpur University	0
Microencap sulation of anthocy anin extract from purple rice bran using modified rice starch and its effect on rice dough rheology	Das, A. B., Goud, V. V., Das, C.	Internatio nal journal of biological macromolec ules, 124, 573581	2019	0	Tezpur University	0
Characteri zatio of the batter and glutenfree cake from extruded red rice flour.	Das, A. B., Bhatta charya, S.	LWT,102, 197204, 2019.n	2019	0	Tezpur University	0
Extraction and charac terization of phenolic	Das, A. B., Goud, V. V., Das, C.	Journal of Food Measu rement and Characteri zation, 12	2018	0	Tezpur University	0

content from purple and black rice (Oryza sativa L) bran and its antioxidant activity.		(1), 332345				
Adsorption/desorption, diffusion, and thermodynamic properties of anthocyanin from purple rice bran extract on various adsorbents	Das, A. B., Goud, V. V., Das, C.	Journal of Food Process Engineering, e12834	2018	0	Tezpur University	0
Bioflavonoids from Artocarpus heterophyllus lam. and Cyclosorus extensus (blume) H. Itô as preservatives for increased storage stability of rice beer.	Das, A.J. Miyaji, T. and Deka, S.C.	Natural Product Research https://doi.org/10.1080/14786419.2018.1521402, 2018.	2018	0	Tezpur University	0
Growth and metabolic characterization of four lactic acid bacteria species isolated from rice beer prepared in Assam, India.	Das, A. J., Das, M. J., Miyaji, T., Deka, S. C.	Access Microbiology, https://doi.org/10.1099/acmi.0.000028	2019	0	Tezpur University	0

Title	Authors	Journal	Year		University	
Transformation of Chicken Feather Keratin and Pomelo Peel Pectin into Biodegradable Composite Film.	Das, P., Borah, P. P., Badwaik, L. S.	Journal of Polymers and the Environment, 26(5), 21202129, 2018.	2018	0	Tezpur University	0
High pressure assisted osmotic dehydrated ginger slices.	Dash, Kshirod K Balasubramaniam, VM Kamat, Shreya.	Journal of Food Engineering, 247, 1929,	2019	0	Tezpur University	0
Thorough evaluation of sweet potato starch and lemonwaste pectin based edible films with nanotitania inclusions for food packaging applications	Dash, K. K., Ali, N. A., Das, D., Mohanta, D.	International Journal of Biological Macromolecules.	2019	0	Tezpur University	0
Effect of ultrasonic vacuum pretreatment on mass transfer kinetics during osmotic dehydration of Black jamun fruit.	Sharma, M., Dash, K. K.	Ultrasonics Sonochemistry, 104693.	2019	0	Tezpur University	0
Direct Transformation of Muskmelon Seeds Meal into Biodegradable Films and	Devi, L. M., Lalnunthari, C., Badwaik, L. S.	Journal of Polymers and the Environment https://doi.org/10.1007/s109240181361x	2019	0	Tezpur University	0

Their Char acterizati on.		1.971, 2019.					
Effect of single and dual steps annealing in combina tion with hydroxypro pylation on physico chemical, functional and rheolo gical properties of barley starch.	Devi, R., Sit, N.	Internatio nal Journal of Biological Macromolec ules, 129, 10061014, 2019.	2019	0	Tezpur University	0
Synergisti c inactiva tion and mechanism of thermal and ultrasound treatments against Bacillus subtilis spores.	Fan, L., Hou, F., Muhammad, A. I., Ruiling, L. V., Watharkar, R. B., Guo, M., ... Liu, D.	Food Research I nternation al,	2018	0	Tezpur University	0
Effect of Optimized Ultrasound Assisted Aqueous and Ethanolic Extraction of Pleurotus citrinopil eatus Mushroom on Total Phenol, Flavonoids and Antiox idant Prop erties.	Gogoi P, Chutia P, Singh P, Mahanta C L.	Journal of Food Process En gineering	2019	0	Tezpur University	0
Characteri zation of mango puree based on total	Makroo HA, Prabhakar PK, Rastogi NK, Srivastava	LWT 103, 316324, 2019.	2019	0	Tezpur University	0

soluble solids and acid content: Effect on physicochemical, rheological, thermal and ohmic heating behaviour.	B.					
Optimisation of fermentation process for production of black rice wine and evaluation of its phenolic and volatile compounds.	Jha, P., Das, A. J., Deka, S. C.	Journal of the Institute of Brewing, https://doi.org/10.1002/jib.504	2018	0	Tezpur University	0
Characteristics of synbiotic spray dried powder of litchi juice with Lactobacillus plantarum and different carrier materials.	Kalita, D., Saikia, S., Gautam, G., Mukhopadhyay, R., Mahanta, C. L.	LWTFood Science and Technology, 87, 351360, 2018	2018	0	Tezpur University	0
Study on the Miscibility of Polypyrrole and Polyaniline Polymer Blends.	Tekalign A. Tikish, Ashok Kumar and Jung Yong Kim	Advances in Materials Science and Engineering	2018	0	Tezpur University	0
Ion transport dynamics in Ionic Liquid incorporated	Rituraj Dutta, Ashok Kumar	Journal of Materials Science: Materials in Electronics	2019	0	Tezpur University	0

CuBTCMetal Organic Framework based composite polymer electrolyte						
Facile synthesis of CuO nanowires and Cu2O nanospheres grown on rGO surface and exploiting its photocatalytic, antibacterial and supercapacitive properties	Sumeet Kumar, Animesh K. Ojha, Jayanta Das, Ashok Kumar and Anil Hazarika	Physica B: Condensed Matter	2019	0	Tezpur University	0
Enhanced electrocatalytic activity of ion implanted rGO/PEDOT: PSS hybrid nanocomposites towards methanol electrooxidation in Direct Methanol Fuel Cells	Bhagyalakhi Baruah, Ashok Kumar, G.R. Umapathy and Sunil Ojha	J. Electroanal. Chem.	2019	0	Tezpur University	0
Onion juice assisted green reduction of graphene oxide with tunable structural and optical properties: Effect of onion	Sumeet Kumar, Dipjyoti Bhorolua, Animesh K. Ojha, Ashok Kumar	Advanced Materials Letters	2019	0	Tezpur University	0

juice concentration and reaction temperature						
Onestep Synthesis and Characterization of Reduced Graphene Oxide Using Chemical Exfoliation Method	Gebremedhin Gebreegziabher, Assefa Asemahegne, DeleleWorku Ayele, Ashok Kumar, Dhakshnamoorthy Mani	Materials Today Chemistry	2019	0	Tezpur University	0
Biobased epoxy/polyaniline nanofibercarbon dot nanocomposites as advanced anticorrosive materials	Aditi Saikia, Devalina Sarmah, Ashok Kumar and N. Karak	J. Appl. Poly. Sci.	2019	0	Tezpur University	0
100 MeV O7 ion irradiation induced electrochemical enhancement in NiBTC metalorganic framework based composite polymer electrolytes incorporated with ionic liquid	Rituraj Dutta and Ashok Kumar	Materials Research Express	2019	0	Tezpur University	0
Ion beam modified molybdenum disulfidereduced graphene oxide/ polypyrrole nanotubes ternary nanocomposit	Devalina Sarmah and Ashok Kumar	Electrochimica Acta	2019	0	Tezpur University	0

e for hybrid supercapacitor electrode						
Noise characteristics of GPS time series and its influence on velocity Uncertainties	Jagat Dwipendra Roy, A. Kumar, M. Sithartha Muthu Vijayan	Journal of Earth System Sci.	2019	0	Tezpur University	0
Surface modification of reduced graphene oxide polyaniline nanotubes nanocomposites for improved supercapacitor electrodes	Madhabi Devi and Ashok Kumar	Polymer Composites	2019	0	Tezpur University	0
Polyaniline-graphene quantum dots (PANI-GQDs) hybrid for plastic solar cell	Gebremedhin Gebremariam Gebreegziabher, Assefa Sergawie Asemahegne, Delele Worku Ayele· Dhakshnamoorthy Mani, Rewrewa Narzary, Partha Pratim Sahu, Ashok Kumar	Carbon Letters	2019	0	Tezpur University	0
Mangifera indica leaf extract mediated gold nanoparticles: a novel	B. S. Boruah, Rajib Biswas	IEEE Sensors Letter	2019	0	Tezpur University	0

platform for sensing of As(III)						
Functional ized silver nan oparticles as an effective medium towards trace dete rmination of arsenic (III) in aqueous solution	B. S. Boruah, Rajib Biswas	Results in Physics	2019	0	Tezpur University	0
Hetero Core Arran gement of Optical Fibers as an Effective Tool for Different Sensing Ap plications	Rajib Biswas	Composite Electronic Research	2019	0	Tezpur University	0
A green co lorimetric approach towards detection of arsenic (III): a pervasive environmen tal pollutant	BS Borauh, R. Biswas, P.Deb	Optics and Laser Technology	2019	0	Tezpur University	0
P and S wave atten uation in Kopili region of northeast India	N. Bora and R. Biswas	Annals of Geophysics	2018	0	Tezpur University	0
Delineatio n of subsurface profiles beneath the Kopili fault zone in northeast	N. Bora and R. Biswas	Journal of Asian Earth Sciences	2019	0	Tezpur University	0

India utilizing coda portion						
An optical fiber based surface plasmon resonance technique for sensing of lead ions: A toxic water pollutant	BS Boruah and R. Biswas	Optical Fiber Technology	2018	0	Tezpur University	0
Localized surface plasmon resonance based U shaped optical fiber probe for the detection of Pb2 in aqueous medium	BS Boruah and R. Biswas	Sensors and Actuators B Chemical	2018	0	Tezpur University	0
Assessing shear wave velocity profiles in Shillong region of northeast India based on multiple passive technique	R. Biswas, N. Bora and S. Borauh	Natuaral Hazards	2018	0	Tezpur University	0
Frequency dependent site response inferred from micro tremors ac companied by ambient noise	R. Biswas and N. Bora	Physics Astronomy Internatio nal Journal	2018	0	Tezpur University	0
Studies on gluon	Phukan, P.,	The European	2019	0	Tezpur University	0

evolution and geometrical scaling in kinematic constrained unitarized BFKL equation: application to highprecision HERA DIS data	Lalung, M. and Sarma, J. K	Physical Journal C				
On phenomenological study of the solution of nonlinear GLRMQ evolution equation beyond leading order.	Lalung, M., Phukan, P. and Sarma, J. K.,	Nuclear Physics A	2019	0	Tezpur University	0
Al3 ion intercalation in MoO3 for aqueous aluminumion battery.	Lahan, H., and Das, S. K.,	Journal of Power Sources	2019	0	Tezpur University	0
The flux distribution of individual blazars as a key to understand the dynamics of particle acceleration.	Sinha A., Khatoon R., Misra R., Sahayanathan S., Mandal S., Gogoi R. and Bhatt N.:, page L116, 2018).	Monthly Notices of the Royal Astronomical Society. Letters, Volume 480, Issue 1	2018	0	Tezpur University	0
Influence of energydependent particle diffusion on the Xray spectral	Goswami P., Sahayanathan S., Sinha A., Misra R. and Gogoi R	Monthly Notices of the Royal Astronomical Society, Volume 480, Issue	2018	0	Tezpur University	0

curvature of MKN 421		2,				
Modelling the midinfrared polarization in dust around young stars	Saikia G., Gogoi R., Gupta R. and Vaidya D.B.,	Monthly Notices of the Royal Astronomical Society, Volume 484, Issue 3	2019	0	Tezpur University	0

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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
Bioflavonoids from Artocarpus heterophyllus lam. and Cyclosorus extensus (blume) H. Itô as preservatives for increased storage stability of rice beer.	Das, A.J. Miyaji, T. and Deka, S.C.	Natural Product Research https://doi.org/10.1080/14786419.2018.1521402, 2018.	2018	0	0	Tezpur University
Growth and metabolic characterization of four lactic acid bacteria species isolated from rice beer prepared in Assam, India.	Das, A. J., Das, M. J., Miyaji, T., Deka, S. C.	Access Microbiology, https://doi.org/10.1099/acmi.0.000028	2019	0	0	Tezpur University
Transformation of Chicken Feather Keratin and Pomelo	Das, P., Borah, P. P., Badwaik, L. S.	Journal of Polymers and the Environment, 26(5), 21202129,	2018	0	0	Tezpur University

Peel Pectin into Biodegradable Composite Film.		2018.					
High pressure assisted osmotic dehydrated ginger slices.	Dash, Kshirod K Balasubramaniam, VM Kamat, Shreya.	Journal of Food Engineering, 247, 1929,	2019	0	0	Tezpur University
Thorough evaluation of sweet potato starch and lemonwaste pectin basededible films with nanotitania inclusions for food packaging applications	Dash, K. K., Ali, N. A., Das, D., Mohanta, D.	International Journal of Biological Macromolecules.	2019	0	0	Tezpur University
Effect of ultrasonic vacuum pretreatment on mass transfer kinetics during osmotic dehydration of Black jamun fruit.	Sharma, M., Dash, K. K.	Ultrasonics Sonochemistry, 104693.	2019	0	0	Tezpur University
Direct Transformation of Muskmelon Seeds Meal into Biodegradable Films and Their Characterization.	Devi, L. M., Lalnunthari, C., Badwaik, L. S.	Journal of Polymers and the Environment https://doi.org/10.1007/s109240181361x1.971, 2019.	2019	0	0	Tezpur University
Effect of single and dual steps	Devi, R., Sit, N.	International Journal of	2019	0	0	Tezpur University

annealing in combination with hydroxypropylation on physicochemical, functional and rheological properties of barley starch.		Biological Macromolecules, 129, 10061014, 2019.					
Synergistic inactivation and mechanism of thermal and ultrasound treatments against Bacillus subtilis spores.	Fan, L., Hou, F., Muhammad, A. I., Ruiling, L. V., Watharkar, R. B., Guo, M., ... Liu, D.	Food Research International,	2018	0	0	Tezpur University
Effect of Optimized Ultrasound Assisted Aqueous and Ethanolic Extraction of Pleurotus citrinopileatus Mushroom on Total Phenol, Flavonoids and Antioxidant Properties.	Gogoi P, Chutia P, Singh P, Mahanta C L.	Journal of Food Process Engineering	2019	0	0	Tezpur University
Characterization of mango puree based on total soluble solids and acid content: Effect on physicochemical, rhe	Makroo HA, Prabhakar PK, Rastogi NK, Srivastava B.	LWT 103, 316324, 2019.	2019	0	0	Tezpur University

ological, thermal and ohmic heating behaviour.						
Optimisation of fermentation process for production of black rice wine and evaluation of its phenolic and volatile compounds.	Jha, P., Das, A. J., Deka, S. C.	Journal of the Institute of Brewing, https://doi.org/10.1002/jib.504	2018	0	0	Tezpur University
Characteristics of synbiotic spray dried powder of litchi juice with Lactobacillus plantarum and different carrier materials.	Kalita, D., Saikia, S., Gautam, G., Mukhopadhyay, R., Mahanta, C. L.	LWTFood Science and Technology, 87, 351360, 2018	2018	0	0	Tezpur University
Predicting enzymatic starch hydrolysis mechanism during paddy malting by vibrational spectroscopy and multivariate calibration analysis.	Kalita, D., Bhattacharya, S., Srivastava, B.	Food Chemistry, 259, 8998, 2018.	2018	0	0	Tezpur University
Strategy to achieve a 5log Salmonella inactivation in	Mahnot, N. K., Mahanta, C. L., Keener, K. M., Misra,	Food Chemistry,284, 303311, 2019.	2019	0	0	Tezpur University

tender coconut water using high voltage at mospheric cold plasma (HVACP)	N. N.						
Shelf life enhancement and associated quality and sensory changes on refrigerated storage of tender coconut water subjected to nonthermal microfiltration and added with additives	Mahnot, N.K., Gupta, K. Mahanta, C.L.	Journal of Food Science and Techno logy, 56 (7), 34083421, 2019.	2019	0	0	Tezpur University
Kinetics of inactivation of peroxidase and plypheno oxidase in tender coconut water by dielectric barrier discharge plasma.	Chutia, H., Kalita, D., Mahanta, C.L., Ojha, N., Choudhry, A.J.	LWT Food Science and Techno logy.101, 625629, 2019.	2019	0	0	Tezpur University
Quality characterization and effect of sonication time on bioactive properties of honey from North East India.	Mahnot, N.K., Saikia, S., Mahamta C.L.	Journal of Food Science and Techno logy, 56 (2), 724736, 2019.	2019	0	0	Tezpur University
Influence	Raju, S.,	Journal of	2018	0	0	Tezpur

of thermos onication treatments on bioactive compounds and sensory quality of fruit (Hae matocarpus validus) juice.	Deka, S. C.	Food Processing and Preservation, 42 (8), e13701, 2018.				University
Characterization and Antimicrobial Property of Casein, Gelatin and Pectin Based Active Composite Films.	Saikia, M., Badwaik, L. S.	Journal of Packaging Technology and Research, 2(3), 233242.	2018	0	0	Tezpur University
Kinetics of the inactivation of polyphenol oxidase and formation of reducing sugars in sugarcane juice during Ohmic and conventional heating.	Saxena, J., Makroo, H. A., Bhatta charya, S., Srivastava, B.	Journal of Food Process Engineering, 41(3), e12671, 2018.	2018	0	0	Tezpur University
Solventbased microwaveassisted extraction and identification of bioactive compounds from Sesamum indicum leaves using	Sarma, L., Chakraborty, S., Duary, R. K.	Pharmacognosy Magazine, 14(57), 275, 2018.	2018	0	0	Tezpur University

particle swarm optimizationintegrated response surface methodology.						
Thermodynamics of sorption isotherms and storage stability of spray dried sweetened yoghurt powder.	Seth, D., Dash, K. K., Mishra, H. N., Deka, S. C.	Journal of food science and technology, 55(10), 41394147, 2018.	2018	0	0	Tezpur University
Effect of hydrocolloids on the physico?chemical and rheological properties of reconstituted sweetened yoghurt powder.	Seth, D., Mishra, H. N., Deka, S. C.	Journal of the Science of Food and Agriculture, 98(5), 16961702.	2018	0	0	Tezpur University
Effect of extrusion conditions on the physicochemical and phytochemical properties of red rice and passion fruit powder based extrudates.	Samyor, D., Deka, S. C., Das, A. B.	Journal of Food Science and Technology, 111, 2018.	2018	0	0	Tezpur University
Optimization of ultrasoundassisted extraction of phenolic compounds	Sarma, L., Chakraborty, S., Das, M.J., Duary, RK.	Natural Product Research, doi.org/10.1080/14786419.2018.1564294, 2019.	2019	0	0	Tezpur University

from Sesamum indicum						
Characteri zation of a novel folic acid ?fortified ready?to?e at (RTE) parboiled rice.	Wahengbam, E. D., Green, B.D. Hazarika, M. K.	Cereal Chemistry, https://do i.org/10.1 002/jsfa.9 561, 2019.	2019	0	0	Tezpur University
Quality of readytoeat komal chawal produced by brown rice parboiling method.	Wahengbam, E. D., Hazarika, M. K.	Journal of Food Science and Techno logy, 56(1), 187–199, 2019.	2019	0	0	Tezpur University
Effect of iron and folic acid fortificat ion on in vitro bioa vailabilit y and starch hydrolysis in readytoeat parboiled rice.	Wahengbam, E.D., Das, A.J., Green, B.D., Shooter, J. and Hazarika, M.K.	Food Chemistry, 292: 3649, 2019.	2019	0	0	Tezpur University
Studies on in vitro b ioavailabi lity and starch hydrolysis in zinc fortified readytoeat parboiled rice (komal chawal).	Wahengbam, E.D., Das, A.J., Green, B.D., and Hazarika, M.K.	Journal of Food Science and Techno logy, DOI: 10.1007/s1 3197019038 244, 2019.	2019	0	0	Tezpur University
Mathematic al modeling of drying kinetic of Bhimkol (Musa balb isiana)	Watharkar, R. B., S. Chakrabort y, M. K. Hazarika, and B. Sri vastava.	Agricultur al Enginee ring Inter national: CIGR Journal, 20(2): 183–189,	2018	0	0	Tezpur University

pulp using MATLAB.		2018.				
Quality of readytoeat komal chawal produced by brown rice parboiling method.	Wahengbam, E. D., Hazarika, M. K.	Journal of Food Science and Technology, doi. org/10.100 7/s1319701 834728, 2018.	2018	0	0	Tezpur University
Determination of the rmoelastic properties of carbon nanotube/e poxy composites using finite element method.	Kirtania S and Chakra borty D.	Journal of Material E ngineering and Perfor mance	2018	0	0	Tezpur University
Biobjectiv e corridor allocation problem using a pe rmutationb ased genetic algorithm hybridized with a local search technique	Z. Kalita, D. Datta and G. Palubeckis	Soft Computing	2019	0	0	Tezpur University
A constrai ned singlerow facility layout problem	Z. Kalita and D. Datta	Internatio nal Journal of Advanced M anufacturi ng Technology	2018	0	0	Tezpur University
Characteri sation of Biochar Produced by Pyrolysis from Areca Catechu Dust	Bardalai, M., Mahanta, D.K.	Materials Today: Pro ceedings	2018	0	0	Tezpur University
Thermal Analysis and	Saikia, N., Bardalai,	Materials Today: Pro ceedings	2018	0	0	Tezpur University

Kinetic Parameters Determination of Biomass Using Differential Thermal Gravimetric Analysis in N2 Atmosphere	M.					
Characterisation of pyrolysis oil derived from teak tree saw dust and rice husk	Bardalai, M., Mahanta, D.K.	Journal of Engineering Science and Technology	2018	0	0	Tezpur University
A study of industrial lime sludge waste as filler in hybrid polymeric composites	S. Kashyap, J. Islam and D. Datta	Materials Science and Engineering	2018	0	0	Tezpur University
Industrial lime sludge waste HDPE composites a study of their mechanical, thermal and morphological properties	S. Kashyap and D. Datta	Journal of Thermoplastic Composite Materials	2018	0	0	Tezpur University
Multiobjective optimization of annular fin array subject to thermal load	A. Deka and D. Datta	Journal of Thermophysics and Heat Transfer	2019	0	0	Tezpur University
Comments on Multiobjective optimization of double effect	D. Datta	Energy Conversion and Management	2019	0	0	Tezpur University

series and parallel flow water lithium chloride and waterl ithium bromide absorption refrigerat ion systems by Konwar et al. [Energy Convers. Manage. 180 (2019) 425441]						
Performanc e analysis of a solar heat driven organic Rankine cycle and absorption cooling system	T.K. Gogoi	Thermal Science and Engine ering Progress	2019	0	0	Tezpur University
Multiobjec tive optim ization of double effect series and parallel flow water –lithium chloride and water– lithium bromide absorption refrigerat ion systems	T.K. Gogoi	Energy Conversion and Management	2019	0	0	Tezpur University
Reply to Comment on Multiobjec tive optim ization of double effect series and parallel flow water	T.K. Gogoi	Energy Conversion and Management	2019	0	0	Tezpur University

lithium chloride and waterlithium bromide absorption refrigeration system						
Performance of double effect H2O–LiCl absorption refrigeration systems and comparison with H2O–LiBr systems, Part 1: Energy Analysis	T.K. Gogoi	Thermal Science and Engineering Progress	2018	0	0	Tezpur University
Performance of double effect H2O–LiCl absorption refrigeration systems and comparison with H2O–LiBr systems, Part 2: Exergy Analysis	T.K. Gogoi	Thermal Science and Engineering Progress	2018	0	0	Tezpur University
Analysis of residual stress in the rotational autofrettage of thickwalled disks	S. M. Kamal	ASME Journal of Pressure Vessel Technology	2018	0	0	Tezpur University
Generalized Plane Strain Study of	S. M. Kamal	ASME Journal of Pressure Vessel	2019	0	0	Tezpur University

Rotational Autofrettage of Thickwalled Cylinders: Part I Theoretical Analysis		Technology				
Generalized Plane Strain Study of Rotational Autofrettage of Thickwalled Cylinders: Part II Numerical Evaluation	S. M. Kamal	ASME Journal of Pressure Vessel Technology	2019	0	0	Tezpur University
Extraction of glycyrrhizin from licorice using single screw extruder: Process kinetics and stimulus response modeling.	Baite, T. N., Das, A. B.	Separation Science and Technology, 53(3), 449457,	2018	0	0	Tezpur University
Storage Studies on Spray Dried Ripe Banana Powder Produced by Response Surface Methodology	Barooah, N., Das, P., Barooah, M.S., Seth, D., Dutta, P.	Int. J. Curr. Microbiol. App. Sci. 7 (6), 19221933,	2018	0	0	Tezpur University
Chemical profiling and functional properties of dietary fibre rich inner and outer bracts of culinary	Begum, Y. A. and Deka, S. C.	Journal of Food Science and Technology) DOI: 10.1007/s13197019036 84y, 2019.	2019	0	0	Tezpur University

banana flower.						
Casein and Ag nanoparticles: Synthesis, characterization, and their application in biopolymer?based bilayer film	Bora, A., Mishra, P.	Journal of Food Processing and Preservation, e14062.	2019	0	0	Tezpur University
Watersoluble vitamins for controlling starch digestion: Conformational scrambling and inhibition mechanism of human pancreatic ?amylase by ascorbic acid and folic acid.	Borah P.K., Sarkar, A., Duary, R.K.	Food Chemistry, DOI: https://doi.org/10.1016/j.foodchem.2019.03.022	2019	0	0	Tezpur University
Effects of folic acid esterification on the hierarchical structure of amylopectin corn starch.	Borah, P. K., Rappolt, M., Duary, R. K., Sarkar, A.	Food Hydrocolloids, 86, 162171,	2019	0	0	Tezpur University
Structurally induced modulation of in vitro digestibility of amylopectin corn starch upon esterification	Borah, P.K., Rappolt, M., Duary, R.K., Sarkar, A.	International Journal of Biological Macromolecules, 129, 361369	2019	0	0	Tezpur University

with folic acid.						
Effect of pHshifting treatment on structural and functional properties of whey protein isolate and its in teraction with (?)ep igallocate chin3galla te	Chen, W., Wang, W., Ma, X., Lv, R., Watharkar, R. B., Ding, T., Liu, D.	Food Chemi stry, 274, 234241	2019	0	0	Tezpur University
Microencap sulation of anthocy anin extract from purple rice bran using modified rice starch and its effect on rice dough rheology	Das, A. B., Goud, V. V., Das, C.	Internatio nal journal of biological macromolec ules, 124, 573581	2019	0	0	Tezpur University
Characteri zatio of the batter and glutenfree cake from extruded red rice flour.	Das, A. B., Bhatta charya, S.	LWT,102, 197204, 2019.n	2019	0	0	Tezpur University
Extraction and charac terization of phenolic content from purple and black rice (Oryza sativa L) bran and	Das, A. B., Goud, V. V., Das, C.	Journal of Food Measu rement and Characteri zation, 12 (1), 332345	2018	0	0	Tezpur University

its antioxidant activity.						
Adsorption/desorption, diffusion, and thermodynamic properties of anthocyanin from purple rice bran extract on various adsorbents	Das, A. B., Goud, V. V., Das, C.	Journal of Food Process Engineering, e12834	2018	0	0	Tezpur 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	50	72	14	7
Presented papers	39	67	4	6
Resource persons	6	50	37	28

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3.5 – Consultancy

3.5.1 – Revenue generated from Consultancy during the year

Name of the Consultan(s) department	Name of consultancy project	Consulting/Sponsoring Agency	Revenue generated (amount in rupees)
MBBT	Studies on country specific polyvalent Snake Venom Antiserum for Sri Lanka developed by Premium Serum Vaccines Pvt. Ltd.: Purity assessment and immunocrossreactivity analysis	Premium Serum and Vaccines Pvt. Ltd, Mumbai	509152
Business Administration	Development of Tourism Convenience Index for Major Tourism Destinations in the State of Assam	Department of Economics and Statistics, Govt. of Assam	2560250
Sociology	Evaluation and Process Monitoring of Pradhan Mantri Matru Vandana	UNICEF, Guwahati	169000

	Yojana (PMMVY)		
Sociology	Process Evaluation of Capacity Building Programme of State Institute of Panchayat Rural Development	UNICEF, Guwahati	647000
Centre for Inclusive Development	Enhancing Access to Entitlements Through Empowering SelfHelp Groups	UNICEF, Guwahati	354000
Chemical Sciences	Proposal for collaboration with UNICEF to support PHED in Water Quality Lab Strengthening in 10 selected districts of Assam	UNICEF, Guwahati	1231860
Sociology	Mentoring programme for SIPRD training on Child and Women friendly GPs in Assam	UNICEF, Guwahati	726000
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3.5.2 – Revenue generated from Corporate Training by the institution during the year

Name of the Consultan(s) department	Title of the programme	Agency seeking / training	Revenue generated (amount in rupees)	Number of trainees
Rathjit Chakravorty, Department of EFL	Chinese Language Consultancy for Indian Armed Forces (Executive level)	Indian Army	200000	20
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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
Field Immersion Programme, 712 Oct 2018	UNICEF and District Children and Adolescent Cell, Sivasagar	3	11
Health Camp at Nabaprabhat Ashram on 20 Nov, 2018.	Health Centre, Tezpur University	2	11
NCC Annual Training	National Cadet	1	13

Camp	Corps		
Blood Donation Camp	NSS T.U., Raktadata and Blood Bank Kanaklata Civil Hospital, Tezpur	5	32
Awareness programme on Health and Sanitation	Dept. of Sociology and NSS,TU	2	52
Principal resource person at Astrophysics Workshop	Maryam Ajmal Women's College of Science and Technology, Hojai, Assam	1	3
Sky observation programme at Pandu College, Guwahati.	Pandu College, Guwahati	1	2
Sky observation programme at Pragjyotish College, Guwahati	Pragjyotish College, Guwahati	1	2
Principal resource person at Astrophysics Workshop	Guwahati Planetarium and Pragjyotish Amateur Astronomers' Association, Guwahati	1	0
Popular talk on Astronomy at NCSC, Udalguri, Assam	NCSTC, DST, Govt. of India.	1	0
Resource person at Innovation Technology Generation and Awarness Programme for Karbi Anglong Dist. Assam	Assam Science Technology and Environment Council, Assam.	1	0
"Orrientation cum selection camp of XXIV International Astronomy Olympiad". (2019)	Regional Science Centre, Guwahati.	2	1
NAYI – SOCH (Networking and Action by Young Initiators of Social Change)	UNICEF	2	19
Arsiron Nilogon: Doityourself (DIY) method of Arsenic	DSTWTI WP, Tezpur Univ, Art of Living, WaterAid, UNICEF, etc.	2	10
Fluoride Nilogon: A doityourself (DIY) method of Fluoride	DSTWTI, Tezpur Univ, Art of Living, NPPCF,	2	10

| removal | WaterAid | | | |
| Workshop | Tezpur University – Art of Living | 1 | | 40 |

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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
Taobaco control	Tobaco control leader (D. Seth)	Sambandh Foundation, New Delhi	400

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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/Agency/collaborating agency	Name of the activity	Number of teachers participated in such activites	Number of students participated in such activites
Community Engagement	Tezpur Mahila Samiti	Counselling sessions with less privileged women	2	4
Swachh Bharat	CARE u 365 Green Hub NGO	Sanitary hygiene Zero Waste Tezpur	2	4
Swachh Bharat	Tezpur University	ANIMAL CARE for reducing stray dogs	2	4
Community Engagement	PRAGYA	Awareness about women empowerment	2	4
Community Engagement	PAJHRA	Awareness Camp in Dibru Darrang Tea Estate	2	4
Social Outreach	District administration and local citizen	Maintenance of a park and renovation of Bhumuraguri rock inscription	2	16
Swatch Bharat	Green Hub NGO	Zero Waste Tezpur	2	10
NAYI – SOCH (Networking and Action by Young Initiators of Social Change)	Dept of MCJ and UNICEF	Identified the communication and development needs of school students in Napaam village of Assam and developed	2	19

		strategies for realization of child rights through communication interventions		
Gender Sensitisation	Department of Sociology	ICC Gender Sensitisation Program, February 2019	3	56
Swachh Bharat	District administration, Dhemaji District, Assam	Swachh Bharat Summer Internship programme	1	5
Environmental awareness	Napaam M.E School	Conserving Greens	2	3
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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
Collaborative research Project (Integrating Genome scale metabolic analysis of model plant pathogen Rals toniasolanacearum with RNAseq and fluxomics)	IIT Mandi and Dept. of CSE, Tezpur University	DBT, Govt. of India	1095
Collaborative research Project (eVaraha: Information System for Safe Pork Production in North Eastern India)	IIT Guwahati, Manipur University, ICAR National Research Centre on Pig	Media Lab Asia, ITRA, MeitY,Govt of India	1095
Collaborative research Project (High Performance Computing Centre (By installing Super Computer Param Shevak)	C-DAC, Pune and Dept. of CSE, Tezpur University	MHRD	2190
Collaborative research Project (Information Security Education and Awareness. MoU signed between TU and President of India to execute Information Security Education	Govt. of India	DeitY	1460

and Awareness project.)			
Visiting PhD program	Prof. J.K. Sarmah	Ministry of Science, Research and Technology, Iran	365
PIC simulation in Laserplasma interaction	Prof. N. Das	Board of Research in Nuclear Sciences	1825
Publication	Dr. Moon Moon Devi	DST, INSA, DAE, MarieSklodowskaCurie grant	730
Research (Publication)	Dr. Moon Moon Devi	PAZY	730
Research	Prof. A. Kumar	UGCDAECSR Mumbai	1095
Research	Prof. A. Kumar	IUAC New Delhi	1095
Research (Publication)	Dr. Moon Moon Devi	DAE	3285
Research	Dr. Pritam Deb	UGCDAE CSR	1460
Research	Dr. Pritam Deb	British Council, UK DST, Govt. of India	1460
Research	Dr. Pritam Deb	Mistry of Europe Foreign Affairs, Govt. of France and DST, Govt. of India	1460
Research	Dr. Pritam Deb	American Physical Society, USA and IUSSTF, Govt. of India	1460
Experimental and analytical facilities being availed	Dr. D.Mohanta	UGCDAE CSR and IUAC New Delhi	1460
Research	Dr. D.Mohanta	IUAC New Delhi	1460
Research	Dr. R. Biswas	Institute of Earths' Crust, Russia	1095
Research	Dr.G.A. Ahmed	DST, Govt of India Govt of Japan	730
Research Collaboration (Joint Supervison)	Dr. R. Gogoi	IUCAA, Pune	1460
Research	Dr. R. Gogoi	Bhabha Atomic Research Centre (BARC), Mumbai	1460
Presented his research work at the International Conference on Theory and Practice	Mr. Muktikaam Hazarika, research scholar	United Nations University held in Melbourne, Australia	3

of Electronic Governance coordinated by the United Nations University held in Melbourne, Australia			
Participation and paper presentation and special research tour with IAMCR, Spain	Ms. Maneswenee Mahanta, research scholar	IAMCR	1
Project: Rural Hybrid Energy Enterprise Systems	Department of Energy and Six UK higher education Institutes led byUniversity of Nottingham, UK,	DST RCUK	1825
Project: Bioenergy from waste: exploring the multiplier benefits to poor communities of mediumscale technology innervations	Department of Energy and University of Nottingham, UK	HEFCE Newton fund	365
Project: Enhancing Food Security in Rural India	Department of Energy and University of Nottingham, UK	EPSRC	365
Project: Strengthening education, research and innovation for climate smart crops in India AdaptNET	Five European Institutes led by Athenes Agricultural University	Erasmus and Capacity Building in Higher Education	1095
Project: IndoBrazil International Collaborative Research Project Integrated Biorefinery Approach towards production of sustainable fuel and chemicals from Algal biobased systems	Department of Energy and University in Brazil	DBT	1095
Project: IndoHungary International Collaborative Research Project Biochemicals and biofuels from	Department of Energy and Hungary	DST	1095

lignocellulosic biomass by Green catalytic processes			
INDIAUK Center for education and Research in clean energy (IUCERCE)	Department of Energy and UK Universities and IIT B	DST	365
Collaborative Projects	Faculty/Scientists and student	DBT Govt. of India	1095
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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
Sharing research facility	LULC mapping	North Eastern Space Research Centre (NESAC)	31/07/2018	01/01/2019	1
Academic and research	Academic and research and concurrent fieldwork placement of students	Work, LGB Regional Institute of Mental Health, Tezpur	31/01/2018	31/05/2019	32
Academic and extension activities	Academic and extension activities	Krishi Vigyan Kendra, Tezpur	31/01/2018	01/05/2019	8
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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
UNICEF	27/03/2019	Paid internship to MA C4D students	5
University of Auckland	18/03/2019	Academic Research Activity	8
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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
145000000	525500000

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
Classrooms with Wi-Fi OR LAN	Newly Added
Seminar halls with ICT facilities	Existing
Video Centre	Existing
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
Others	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
KOHA	Fully	18	1997

4.2.2 – Library Services

Library Service Type	Existing		Newly Added		Total	
Others(spe cify)	32	0	0	0	32	0
CD & Video	2552	0	78	0	2630	0
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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	Platformon which module is developed	Date of launching e-content
Prof. BK Danta	The ZBC of Creativity in Higher Education	Teaching Learning Centre, Tezpur University YouTube Channel	29/08/2018
Prof. S. K. Sinha	SWAYAM and MOOCs	Teaching Learning Centre, Tezpur University YouTube Channel	29/08/2018
Dr Amalesh Gope	Analysis of Tones:	Teaching Learning	21/12/2018

	Experimental Method	Centre, Tezpur University YouTube Channel	
Dr SK Doley	Difference between L1 and L2 Acquisition	Teaching Learning Centre, Tezpur University YouTube Channel	03/11/2018
Prof. D K Bhattacharyya	TargetSpecific Innovative Research to Address Indias Challenges	Teaching Learning Centre, Tezpur University YouTube Channel	28/11/2018
Dr. Joya Chakraborty	Community Participation	Teaching Learning Centre, Tezpur University YouTube Channel	03/11/2018
Prof. Ashok Kumar	Electrochemical Energy Conversion and Storage	Teaching Learning Centre, Tezpur University YouTube Channel	08/10/2018
Prof. Chandana Goswami	Introduction to Management	Teaching Learning Centre, Tezpur University YouTube Channel	14/09/2018
Ms. Karabi Bharadwaj	Deflection of Beams	Teaching Learning Centre, Tezpur University YouTube Channel	12/09/2018
Dr. Swapna Bora	Introduction to Phonology of Assamese	Teaching Learning Centre, Tezpur University YouTube Channel	04/12/2018
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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	1274	19	1	1	2	23	26	1000	0
Added	65	2	0	0	0	0	0	0	0
Total	1339	21	1	1	2	23	26	1000	0

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

1000 MBPS/ GBPS

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
Training Module	http://www.tezu.ernet.in/tlc/video.php

Academic Module	http://www.tezu.ernet.in/tlc/video.php#

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 facilites
384598	200841	145000	5255

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)

Tezpur University has provided the latest physical, academic and support facilities laboratory, library, sports complex, computers, classrooms, Guest House, Auditorium, Conference Rooms, Guest House, Day Care Centre, etc. for use of the University Community. The facilities are maintained for use any time of the year and maintenance works are always done on priority basis. The expenses are met from the maintenance budget of the University. Some of the facilities like Guest House, Auditorium, etc., are maintained on self sustaining basis for its maintenance as rent is charged for usage of these facilities. The University even lets out these to other Government, Private Organzations ,NGOs etc., as these are also Internal Resource Generation Centres. The University has a few MoUs with some neighbouring academic institutions to whom some Lab facilities are allowed for use on payment basis. Analytical facilities at SAIC are also utilized by other researches on payment basis. Day Care Centre facility of the University can be availed by the faculty members on payment basis to keep their toddlers and attend to their duties without difficulty. One Ambulance vehicle is provided to PWD students to commute from Hotels to attend their classes. There are standing procedures and Policies approved by competent Authority for all of the above facilities for operation as well as for maintenance.

http://www.tezu.ernet.in/

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	NonNET Fellowship	199	19296669
Financial Support from Other Sources			
a) National	Scholarship	1621	11857591
b)International	NIL	0	0
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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
Personality Development	13/12/2018	50	Walchand People First Ltd (Dale

Workshop				Carnegie)
MS Excel Advanced Workshop	17/12/2018	50		Power BIFox
REMEDIAL PROGRAM FOR MA SOCIOLOGY STUDENTS	01/07/2018	38		DEPARTMENTAL FACULTY MEMBERS
MENTORING PROGRAM FOR MA SOCIOLOGY STUDENTS	01/07/2018	38		DEPARTMENTAL FACULTY MEMBERS
Summer term	11/06/2019	3		Civil engineering dept.

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

Year	Name of the scheme	Number of benefited students for competitive examination	Number of benefited students by career counseling activities	Number of students who have passedin the comp. exam	Number of studentsp placed
2019	Departmental coaching	170	256	170	256

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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
5	4	60

5.2 – Student Progression

5.2.1 – Details of campus placement during the year

On campus			Off campus		
Nameof organizations visited	Number of students participated	Number of stduents placed	Nameof organizations visited	Number of students participated	Number of stduents placed
ITC	3	2	ARMY PUBLIC SCHOOL	1	1

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

Year	Number of students enrolling into higher education	Programme graduated from	Depratment graduated from	Name of institution joined	Name of programme admitted to
2018	15	B. Tech	Food Engineering and Technology	ICT	M. Tech
2019	12	B. Tech	Food	IIT	MBA, MS Ph.D

2019	5	MA	Sociology	Dibrugarh University, Guwahati University, Tezpur University, Christ University, JNU	MPHIL / Ph. D
2019	30	Integrated M.A, M.A in English & M.A in Linguistics and Language Technology	English and Foreign Languages	Tezpur University, JNU, DU, EFLU, Hyderabad University, Columbia Missourian	Ph.D, M.A.

(First row at top continues: Engineering and Technology | Khagrapur NIFTEM Tezpur University NIT IIT Guwahati IIT Delhi)

[View File](#)

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	58
SET	1
SLET	23
GATE	66
Civil Services	1
Any Other	21

[View File](#)

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

Activity	Level	Number of Participants
Intra Hostel Cultural Competitions held during August 17, 2018	University	3600
Celebration of Independence Day	University	4000
General Fresher's held on August 18, 2018	University	3600
Foundation Day Cultural Programme held on 21012019	University	4000
Republic Day Celebration	University	4000

Annual Meet held during February 2224, 2019	University	3600
Spring Fest held on 05042019	University	3600
[View File](#)		

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	Quiz: 1st, Folk Orchestra: 1st, Cultural Procession: 2nd , Elocution: 2nd , Western Vocal Solo: 2nd , Western Instrumental Solo: 2nd Clay Modelling: 3rd	National	0	1	EGI18002	Arghya Kar
2019	Quiz: 1st, Folk Orchestra: 1st, Cultural Procession: 2nd , Elocution: 2nd , Western Vocal Solo: 2nd , Western Instrumental Solo: 2nd Clay Modelling: 3rd	National	0	1	ELB15062	Kumar Abhijit Singh
2019	Quiz: 1st, Folk Orchestra: 1st, Cultural Procession: 2nd ,	National	0	1	CSB15012	Debasish Basistha

		Elocution: 2nd , Western Vocal Solo: 2nd , Western Instrumental Solo: 2nd Clay Modelling: 3rd						
	2019	Quiz: 1st, Folk Orchestra: 1st, Cultural Procession: 2nd , Elocution: 2nd , Western Vocal Solo: 2nd , Western Instrumental Solo: 2nd Clay Modelling: 3rd	National	0	1	MEB15013	Siddharth Gautam	
	2019	Quiz: 1st, Folk Orchestra: 1st, Cultural Procession: 2nd , Elocution: 2nd , Western Vocal Solo: 2nd , Western Instrumental Solo: 2nd Clay Modelling: 3rd	National	0	1	ESE18010	Dipsikha Singha	
	2019	Quiz: 1st, Folk Orchestra: 1st, Cultural Procession: 2nd , Elocution: 2nd , Western	National	0	1	MCI14030	Aklanta M Kalita	

	Vocal Solo: 2nd , Western Instrumental Solo: 2nd Clay Modelling: 3rd					
2019	Quiz: 1st, Folk Orchestra: 1st, Cultural Procession: 2nd , Elocution: 2nd , Western Vocal Solo: 2nd , Western Instrumental Solo: 2nd Clay Modelling: 3rd	National	0	1	BBI17007	Raina Roy
2019	Quiz: 1st, Folk Orchestra: 1st, Cultural Procession: 2nd , Elocution: 2nd , Western Vocal Solo: 2nd , Western Instrumental Solo: 2nd Clay Modelling: 3rd	National	0	1	MSI18017	Sushmita Hazarika
2019	Quiz: 1st, Folk Orchestra: 1st, Cultural Procession: 2nd , Elocution: 2nd , Western Vocal Solo: 2nd , Western	National	0	1	MCI14021	Nandit N.P Gayan

	Instrument al Solo: 2nd Clay Modelling: 3rd						

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

A. The activities of Student Council are as follows: a. Overall development of the students including leadership development, social responsibility, volunteerism, and student employment. b. Major base for area of studybased clubs, or programs and events designed to educate students in any scholarly subject matter. c. Extend cooperation to organising Sports ,Cultural, literary, fine arts etc activities for the students in the University. d. Liaison with the University for better performance of students in academic arena. e. Extend cooperation for maintaining discipline in the University. B. Students in Academic and Administrative Bodies/committees of the Institution Name of the Committees: Board of Management, Academic Council, Disciplinary Committee, Anti Ragging, ST/SC Cell, Holiday List, Swimming Pool Management Committee, ICC, Library Committee, Grievance Cell, University magazine (SrijanA Creation) and Various committees constituted by University from Time to Time.

5.4 – Alumni Engagement

5.4.1 – Whether the institution has registered Alumni Association?

Yes

The University believes that alumni are the most loyal supporters and they are the ones who carry the expertise of an institution to the professional lives. Therefore, the Tezpur University Alumni Association (TUAA) was formed in the year 2000 and TUAA is now registered under the Societies Registration Act 1860. TUAA has an organizational structure as President, Working, Secretary, Joint Secretary, Treasurer and executive members. It has total 19 members including 11 executive members in the executive body. The alumni association acts as a bridge between the alumni and their alma mater, giving the current students and the alumni a chance to develop positive synergies and grow together in this process. There are more than 10,000 alumni across the globe, joining hands to make TU as a worldclass institution. TUAA organizes and is involved in many activities that have been bringing the Alumni of TU closer to the university while engaging them with the students, and uses the Alumni network in strengthening brand TU. TUAA use to organize Annual Alumni Meets during the convocation. A large number of Alumni from different professions use to participate in the meets. TUAA has launched a new alumni web portal to connect TU alumni with one another and with the University. The Alumni portal is also having features like TU Alumni Forum, Job Listings/Career Services, Alumni Directory, events, Contribution, feedback system etc. to engage the alumni effectively. The recently adopted Alumni feedback system helps the University to evaluate the Institutional processes more comprehensively and critically lending it more objectivity. TUAA is partnering with Alumni Cell, the official unit of TU for developing a lively alumniTU ecosystem. This new alumni Committee has also have department or centre alumni faculty coordinators to link the activities of the department/ centre with association. Our university alumni are involved in screening process during the admission, induction, career guidance, placement assistance, community services etc. This new committee support various alumnirelated activities and alumni engagement programmes like Alumni get together, Alumni facilitating campus /off campus placement/ internships, Alumni lectures, Alumni aiding in collaborative

initiatives, alumni supported Community Outreach Activities etc. Alumni Association also officially launched the first chapter at Bangalore on 3rd February 2019. TUAA in collaboration with Alumni Cell is going to begin " Campaign for TU" a fund raising initiative of TU to mobilize resources for the University like building new infrastructure , creating research chairs , branding TU, student support etc which will take TU to greater heights among the higher education institute in the world.

5.4.2 – No. of registered Alumni:
369

5.4.3 – Alumni contribution during the year (in Rupees) :
803574

5.4.4 – Meetings/activities organized by Alumni Association :
Alumni meetings at university as well as department level: 1. An alumni meet was organized on 26th December, 2018, Wednesday, at the Council Hall of TU on the occasion of XVI convocation of the University. 2. Special alumni meet was organized on 19th January, 2019 at TU's KBR auditorium on the occasion of the closing ceremony of silver jubilee celebrations of TU. 3. Department of Business Administration organised department level alumni meet on the occasion of silver jubilee celebrations of the department on 25th May 2019. Alumni get together in different parts of the country: 1. Alumni Reunion and launching of new Alumni Chapter at Bangalore was organised on 3rd February 2019. 2. Department of Business Administration in collaboration with TUAA use to conduct alumni get together at Major cities of the country in the month of July every year. Alumni supported Community Outreach Activities: Taking up the cause of Assam Flood, TUAA Bangalore Chapter rallied the alumni and distributed flood relief materials for flood affected areas in Assam. Alumni aiding in collaborative initiatives: 1. IndustryAcademia Interaction organised by Tezpur University Alumni Association Bangalore Chapter on 3rd February 2019. 2. Amlan Bora , Alumnus (2000 batch) Trade Investment Commissioner, NBSO, Netherlands presently associated as an Adjunct Professor, Department of BA. 3. Mr. Tonmoyee Patgiri Alumnus (2014 batch) presently associated with Infosys was part of redesigning of MBA -HR syllabus. Alumni delivering lectures: 1. Mr. Ghananil Phukan, Alumnus (2002 batch)a Senior Software Engineering Manager from Intel corporation, Bengaluru delivered lectures on the occasion of alumni meet on 26th December, 2018. 2. Mr. Prabir Chetia, Alumnus (1998 batch) the Head, Business Research and advisory, from ARANCA Mumbai delivered lectures on the occasion of alumni meet on 26th December, 2018. 3. Mr.Biswajit GargAlumnus (2012 batch) presently associated with Exim Bank, Mumbai delivered technical lectures on the occasion of Sampark (Academicindustry interface) March 2019. 4. Mr. Zavir Zaman Alumnus (2009 batch) presently associated with Assistant Manager, Nedfi delivered technical lectures on the occasion of Sampark (Academicindustry interface) March 2019. 5. Mr. Nipom Deka Alumnus (2003 batch) presently associated with Airtel, Head -Northeast delivered technical lectures on 1st November 2018. 6. Mrs. Dotta Deva Mukherjee Alumnus (2001 batch) presently associated with Axis Bank, Asst. VP delivered technical lectures on 26th July 2018. Alumni facilitating placement and internship for students: 1. Mr.Nayanmoni Kalita MBA Alumnus(2014 batch) Conducted campus placement on behalf of Azim premji Foundation and recruited one MBA student (2019 passed out). 2. Rupam Kumar Das, Alumnus (2014 batch) and Chinmoy Das Alumnus (2005 batch) Conducted campus placement on behalf of GSK and recruited three MBA student (2019 passed out).

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)

I. Examination process of Tezpur University is one of the unique examples of decentralization and participative management. In this process, each of the academic Departments and Centres of Tezpur University manages the examinations of the courses offered by them as per the University academic calendar and in the principle of continuous evaluation system followed in the University. The Faculty members perform the jobs of question paper setting, examination conduction and timely evaluation of all the components, except Midterm and End Term examinations, under the strict monitoring of Departmental Advisory Committee (DAC). Among the other jobs, moderation of the question papers is one major job of the DAC to ensure standard and quality of question papers. The management of Midterm and Endterm examinations is taken care by four School level Examination Committees comprising of the faculty members from Departments/Centres under the respective Schools. Results are declared strictly on the preannounced date by the Controller of Examinations (CoE) after compilation of the grades submitted by the Departments. It is worth mentioning that students are shown all the answer scripts and the marks awarded of all the components before finalizing the grades and sending to the CoE. II. Statutory body's viz., Board of Studies Departmental Research Committee, School Board, Academic Council, Research Committee, Planning Board, Building Committee, Finance Committee and Board of Management play their assigned roles in governance of the University. All the above decision making bodies have appropriate representations of all the stakeholders including faculties, students, alumni, funding agency and the society. Heads are empowered to sanction casual leave of the Faculties and staffs in the respective Departments using centralized online leave management system. Similarly, decentralized budget is prepared for all the Departments. Procurement of books/ journals, equipment, furniture, infrastructure etc. are done based on inputs from the departments. Thus, University follows decentralization and participative management in its governance.

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	University considers flexibility in the curriculum as an important aspect of quality. Choice based courses, credit transfer for courses done in other institutions including MOOCs, flexibility in credit load taken in a semester based on learning pace of a student, project semester in the industry etc. are some of the provisions in this respect. Students are encouraged through academic counselling to opt for suitable courses based on career goal, aptitude etc. There is regular upgradation of curriculum based on societal/ industry needs assessed through feedback taken from experts and stakeholders including industry and alumni. Contents of

	syllabi are critically reviewed by both inhouse and external experts to make them uptodate and aligned to the programme objectives. Minimum credit for open electives is essential requirement for every programme to ensure breadth of knowledge. Value added courses are offered in compulsory as well as optional mode to imbibe human values, impart life skills and encourage creativity and cocurricular activity.
Examination and Evaluation	Continuous internal evaluation, transparency, timely assessment/evaluation and timely declaration of results, engagement of external examiners for special cases of Dissertation (PhD/PG/B Tech) and some of practical components are key features uniformly practiced as mandated by the Academic Regulations. Quality of question papers are assured through appropriate moderation by the Departmental Advisory Committee. Students are shown answer scripts/assignments after evaluation for all the components with an aim to maintain transparency as well as to assist them to analyse their performance. Provision of online tracking system for submitted Theses by PhD students is considered important quality measure.
Research and Development	University encourages faculty members to carry out quality research through a variety of options including (i) PhD/PG/UG research based assignments/ projects and (ii) funded research projects. A dedicated establishment of Dean, RD supports research and development activities. UGC CARE approved list is considered as a benchmark for research publications. University liberally supports faculty and students to generate IPR through a dedicated IPR Cell. Provisions of financial supports for innovative research, participation in seminars/conferences/research proposal defence etc., along with quality assurance in all aspects including fund utilization (online fund management and monitoring of research projects) are benefiting to build up quality RD echo system.
Library, ICT and Physical Infrastructure / Instrumentation	Continuous enrichment of library resources is ensured through

		procurement of books, subscription of journals/periodicals/eresources. Simultaneously, improvement of library support services are emphasised through various measures viz., training of staffs, integration of ICT infrastructure, extending library opening hours, provisions of amenities. A dedicated Computer Centre equipped with competent technical staffs, several Computers' clusters conveniently located as per users' needs, state of the art physical infrastructure are key quality considerations. A Sophisticated Analytical Instrumentation Centre (SAIC) provides dedicated support to users for unhindered works. Services of SAIC are also extended to outsiders as a mark of social responsibility and to generate revenue. Classrooms enabled with Internet and with projection facility is made a necessity. Conversion all of these into classrooms is the set goal.
	Human Resource Management	The University has service rules for effective functioning of human resources and policies for professional development activities such as participation in seminars, conferences and publications. Organizing orientation and induction programmes for newly recruited faculty and staff is considered mandatory. University follows an open system of administration. Grievances from staff and students are given the utmost attention. It has wellestablished policy for confirmation of newly appointed faculty and staff. Faculty and staff are provided with the best facilities in terms of service conditions, housing accommodation etc. The promotion policy as set by the University Grants Commission is implemented in letter and spirit. The highest level of job satisfaction appears to cause lower rate of attrition.
	Industry Interaction / Collaboration	University is putting effort for meaningful interaction/collaboration with industries through dedicated wings viz., (i) Centre for Innovation Incubation and Entrepreneurship (ii) Centre for University Industry Interaction (iii) Intellectual Property Right Cell and (iv) Dean, RD. Several

		important policies (IPR policy, Startup policy, PhD admission for candidates from Industries) are in force for meaningful collaboration. Provision for settingup Industry Research Centre in the campus is a new addition. Continuous efforts are made to engage with industries for feedback on Tezpur University graduates who become their employees for suggestion on syllabus, to depute students for industrial trainings and for representation in various statutory committees. Formal deliberations with local industries (workshop, industryacademia interactions) are also regular. Industry Internships are highly encouraged for the students.
	Teaching and Learning	Hiring quality teacher through rigorous recruitment process, induction training and keeping provision of training of existing faculties to upgrade their skill are some of key strategies to address quality teaching. Further, University is emphasising a transition from conventional teachinglearning to outcome based learning with remarkable success. Most of the ongoing academic programmes are designed incorporating PO/PSO/CO and also keep provision to assess its attainment. Need based arrangement are made to address the needs for slow learners and fast learners. ICT enabled learning (Elearning resources, 24/7 WiFi services) is emphasised for advancement of effective teachinglearning. Experimental learning is active component in all programmes.
	Admission of Students	In an effort to get quality students with appropriate regional and social diversity, University relies on recognized entrance tests such as GATE, JEE, CAT, MAT, CEEB and its own time tested Tezpur University Entrance Examination and follows the standard reservation policy of the Government of India. The admission process is ICT based and all important steps are adequately notified for wide circulation among the admission aspirant candidates, through print media, web portal and social media. University recognizes the importance of standard and robust procedure of admission and therefore, constitute bodies viz., (i) Tezpur University

	Admission Committee, (ii) Tezpur University Entrance Examinations Committee, (ii) B Tech Screening cum Selection Committee and (iii) MBA Screening cum Selection Committee.

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

E-governace area	Details
Planning and Development	All the documents related to planning and developmental activities of University are made available through the active and dynamic web portal of the University to all the stakeholders including the public society. Quick dissemination of the information/decisions of all the minutes of important meetings including Board of Management, Academic Council, IQAC among the stakeholders are possible through the website. The University vision document is made available in the website.
Administration	Benefits of implementation of e governance have been derived by the uses of Etendering, Employees Information Portal, Online RTI, Recruitment Portal, Online Public Access Catalogue (OPAC), Ebooks, Ejournals, Guest house booking, online leave application and approval, online notification etc.
Finance and Accounts	E governance is also truly implemented for various activities of Finance and Accounts including integrated financial applications (pay slip, income tax, research project fund, PF statement. Further, the University has mandated the use of POS machines in all commercial shops, eateries, hostel mess for digital cash transaction. The University is registered in PFMS portal under GoI.
Student Admission and Support	The major activities where egovernance are implemented for student admission and support include Online application for entrance test, online results of admission test, Online Course Registration by students, Online Payment of Fees by students, Reservation and Renewal of Library books, Online feedback system, Online Grievance redressal, Online generation of results and grade card, Online student attendance (partially), Plagiarism checking.

Examination	The Departments submit the grades using online portal which are further analysed centrally and declared for online access by students.

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
2018	Dr. Mridul Dutta	Cambridge University Economics Conference,UK	Murray Edwards College, Cambridge University, UK	25000
2018	Dr. Arup Roy	Business Analytics Course	IIM, Kolkata	20000
2019	Monoj Bardalai	1st National conference on Advances in Mechanical Engineering Research (NCAME2019), during 16TH March, 2019 at National Institute of Technology, Delhi	NA	25000
2019	Prabin Haloi	International conference on Applied Mechanical Engineering Research (ICAMER2019), during May 24, 2019 at National Institute of Technology, Warangal, Telangana State, India.	NA	25000
2018	Dr. Sanjib Banerjee	International Conference on Recent Innovations and Developments in Mechanical Engineering (ICRIDME 2018),	NA	20000

2018	Debaraj Bailung Sonowal	GIAN STC on Adv Structural Dynamics	NA		30000
2018	Dr. B. K. Kakati	International Conference on Sustainable Energy and Green Technology	NA		60000
2018	Karabi Bharadwaj	GIAN STC on Adv Structural Dynamics	NA		30000
2018	Dr. Vikas Verma	International Conference on Sustainable Energy and Green Technology	NA		34256
2018	Prof. Nityananda Sarma	NA	IEEE		12000
2018	Prof. Dhruba Kumar Bhattacharyya	NA	IEEE		12000
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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	5 Day National Workshop on Machine Learning in R Python (MLRP), CSE, TU	NA	28/01/2019	01/02/2019	20	4
			[View File](#)			

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

Induction training for Faculty, TLC, TU	3	07/06/2018	06/07/2018	30
7th European Communication Conference, Lugano, Switzerland	1	31/10/2018	03/11/2018	33
Indian Conference on Computer Vision and Image Processing, IIIT Hyderabad	1	18/12/2018	22/12/2018	5
TEQIP III STC on Fundamentals of Robotics and Artificial Intelligence, IIT Ghy	1	04/02/2019	08/02/2019	5
International Conference on Advanced Computational and Communication Paradigms, Sikkim Manipal Institute of Technology	1	25/02/2019	28/02/2019	4
Refresher Course	1	18/03/2019	07/04/2019	20
Faculty Development Programmes	1	09/07/2018	04/08/2018	25
Short Term Course	1	28/01/2019	03/02/2019	7
GIAN short term course on Advanced Structural Dynamics	2	24/12/2018	28/12/2018	5
Induction Training of Faculty	1	11/06/2019	10/07/2019	30
Induction training of faculty organized by Teaching learning centre, Tezpur	1	06/06/2018	05/07/2018	30

University				
Onemonth long induction training programme on "Induction Training of Faculty" under the aegis of Pandit Madan Mohan Malaviya National Mission for Teachers and Teaching (PMMMNMTT) scheme of ministry of human resource development (MHRD), GOI.	7	26/11/2018	26/12/2018	30
One week FDP on Refrigeration and Air conditioning, IIT Guwahati	2	02/07/2018	06/07/2018	5
One week faculty development programme Nai Talim (organised by MGNCRE, MHRD TU)	1	29/10/2018	02/11/2018	4
2nd Winter Workshop on Developments in Climate Change and Sustainability Studies, Tata Institute of Social Sciences, Mumbai	1	21/01/2019	02/02/2019	12
5 Day National Workshop on Machine Learning in R Python (MLRP), CSE, TU	8	28/01/2019	01/02/2019	4
National Training on Entrepreneurship Development and Management for	1	03/12/2018	14/12/2018	12

Scientist and Technologists working in Govt. Sector at Entrepreneurship Development Institute of India (EDII), Ahmedabad, India

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6.3.4 – Faculty and Staff recruitment (no. for permanent recruitment):

Teaching		Non-teaching	
Permanent	Full Time	Permanent	Full Time
312	269	287	274

6.3.5 – Welfare schemes for

Teaching	Non-teaching	Students
1. Teachers avail the welfare schemes (such as medical support, LTC, children's educational allowances) as per the Government of India norms 2. There is an Employees Cooperative Society approved by the University from where employees can avail soft loan 3. Facilities for physical and mental health maintenance like yoga, swimming pool, badminton, etc are provided	1. Nonteaching staffs avail the welfare schemes (such as medical support, LTC, children's educational allowances) as per the Government of India norms 2. There is an Employees Cooperative Society approved by the University from where employees can avail soft loan 3. Facilities for physical and mental health maintenance like yoga, swimming pool, badminton, etc are available for all.	1. Health insurance of all students on roll allowing students to treatment cashless at selected hospitals and reimbursement of expenditure in other hospitals. 2. Fee waiver for poor students. 3. Financial assistance to needy students for pursuing higher studies. 4. Round the clock medical support 5. Ambulance service for needy students

6.4 – Financial Management and Resource Mobilization

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

The University maintains its books of accounts on accrual principles and double entry bookkeeping system and its financial affairs have been audited by the Comptroller and Auditor Generals of India periodically (annually). The Balance Sheet, Income Expenditure Account and Receipts Payments Account of every year are audited by CAG under Sec 19(2) of the Comptroller and Auditor General's (Duties, Powers and Conditions of Service) Act, 1971 read with section 32(1) of the Tezpur University Act, 1993. The Internal Audit of the University is carried out by the Internal Audit Officer of the University. The regular verification of the following financial issues are being audited / scrutinized by the Internal Auditor Wing of the University: 1. Verification of student's fee, rental income in respect of counterfoils of receipts. 2. Verification of Govt. Grants with reference to memo or sanction letter and utilisation thereof. 3. Verification of Investments w.r.t. proper interest and accounting thereof. 4. Confirmation of any deposits and caution money and its treatment. 5. Verification of expenditures with the approved Budget Estimates and making variance analysis. 6. Vouching of all establishment expenses. 7. Verification

of Physical Assets of the University and Proper reporting of Damaged stocks. 8. Confirmation of all Statutory Compliances. i.e. P.F., Income Tax Financial Management and Resource Mobilization Tezpur University is in practice of following the Financial Management System with strict compliance of Rules / Procedures in accordance with its Act, Statue Ordinances and the General Financial Rules of Govt. of India. The University strictly follows the CVC guidelines in this respect. The University followed the Govt. of India/ UGC Rules for various Administrative, Financial, Service matters and maintain transparency on Tendering System and Mobilization of Advances. Tezpur University adopts General Financial Rules (GFRs), 2017 in toto and adopts instructions, guidelines issued thereunder from time to time. Tezpur university has been receiving funds from UGC for its Capital and Recurring expenditure. Its internally generated revenue (IGR), comprising of the student fees and other miscellaneous sources, however makesup a substantial portion of its recurring expenditure. The University faculty attracts large number of sponsored research and consultancy projects which contributes to enriching its laboratory infrastructures as well as to the research manpower. As per the new directive of the Govt. the University is now required to go for HEFA loan for its construction activities for its future expansion implying that it there is need for additional IGR from new revenue sources. Tezpur University, it has decided to mobilize the resources by way of (i) By participation/contribution of stakeholder in their development (ii) To evolve a process for the participation of stakeholders in university development (iii) To encourage and enhance the flow of resources coming from the stakeholders for university development (iv) To encourage university to provide consultancy ON PAYMENT BASIS not only to the industries but to the government, and other bodies and society at large on vital issues of national importance and (v) To provide incentives to the universities which involve stakeholders in their development activities.

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
Spring Velley, Tezpur Sitaram Jindal Foundation, Delhi Tilottama Baruah Memorial Trust, Jorhat UNICEF UNICEF, Assam	4280530	Academic, Women Child Welfare
[View File](#)		

6.4.3 – Total corpus fund generated

5217861

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	Yes	AAA Committee formed by University		
Administrative	Yes	AAA Committee formed by University		

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

NA

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

1. Expectation of Parents are received to understand the and communicate appropriately. Sixty Parents of the Department of Business Administration were invited to share about Universitys goal and understand their expectation on 25 July 2019 and meeting with the Faculty members was fruitful. 2. Subsequently, there have been regular interaction among the Parents and Faculty through email and Phone on matters related to progress of the students. 3. The parent teachers interaction becomes fruitful to resolve the disciplinary issues of the students through counseling. The above practices are followed almost across the University.

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

1. The University has deputed officers and concerned persons to attend training on PFMS/GST/ GEM portal. 2. Employees of the University were deputed to attend workshop on Gender sensitization 3. A National Workshop on Management of University Administration was jointly organized by Association of Indian Universities (AIU) and Tezpur University (TU) during February 0608, 2019. 4. Employees are encouraged to undergo higher studies and various seminars/confers/workshops etc with TA/DA. 5. Employees are encouraged to take consultancy in their domain.

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

1. Universities Academic and Administrative activities are comprehensively assessed through a Committee comprising of renowned Academicians and experienced Administrators. The recommendations and observations are deliberated at all levels and appropriated follow up actions are taken. 2. IQAC conducts regular meetings to sensitized different stakeholders of the University as mandated by NAAC. 3. The recommendations of the NAAC Peer Team Report are followed through discussions at different forums from DAC to Board of Management.

6.5.6 – Internal Quality Assurance System Details

a) Submission of Data for AISHE portal	Yes
b)Participation in NIRF	Yes
c)ISO certification	
d)NBA or any other quality audit	Yes

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	PO PSO LO: Interaction on Curriculum	12/10/2018	12/10/2018	12/10/2018	300
2018	Academic and Administrative Audit (AAA)	29/10/2018	29/10/2018	31/10/2018	4000
2018	Sensitizatio	16/11/2018	16/11/2018	16/11/2018	300

	n Workshop for Development of MOOCs by TU Faculty				
2018	Follow up action plan on Academic and Administrative Audit (AAA) Report 2018	13/12/2018	13/12/2018	13/12/2018	4000
2019	Delebaration on preparation of Quality Research Proposal	02/04/2019	02/04/2019	02/04/2019	200
2019	Progress Review Meeting on Followup Action on AAA2018	06/05/2019	06/05/2019	06/05/2019	4000
2018	Induction Training of Faculty on Qaulity Assurance at Tezpur University	27/11/2018	27/11/2018	27/11/2018	25
2019	Awareness on online CAS application software	25/01/2019	25/01/2019	25/01/2019	300
2018	Standardization of Tezpur University Faculties engagement for different academic activities as per UGC Guidelines	09/11/2018	09/11/2018	09/11/2018	332
2018	Quality Evaluation activities in connection with Faculty career advancement	23/07/2018	23/07/2018	23/07/2018	7

2018	Quality Evaluation activities in connection with Faculty career advancement	21/08/2018	21/08/2018	21/08/2018	3
2018	Quality Evaluation activities in connection with Faculty career advancement	06/09/2018	06/09/2018	06/09/2018	6
2018	Quality Evaluation activities in connection with Faculty career advancement	28/09/2018	28/09/2018	28/09/2018	4
2019	Quality Evaluation activities in connection with Faculty career advancement	19/03/2019	19/03/2019	19/03/2019	11
2019	Quality Evaluation activities in connection with Faculty career advancement	28/03/2019	28/03/2019	28/03/2019	16
2019	Quality Evaluation activities in connection with Faculty career advancement	05/04/2019	05/04/2019	05/04/2019	2
2019	Quality Evaluation activities in connection with Faculty career	16/05/2019	16/05/2019	16/05/2019	2

| 2019 | Quality Evaluation activities in connection with Faculty career advancement | 07/06/2019 | 07/06/2019 | 07/06/2019 | 2 |
| 2019 | Quality Evaluation activities in connection with Faculty career advancement | 17/06/2019 | 17/06/2019 | 17/06/2019 | 1 |

View File

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
Sensitization programme on Prevention of sexual harassment for Officers and Non-Teaching staff of Tezpur University by Prof. Sarasu Esther Thomas ,NLSIU, Bangalore. (Time: 10.00am to 1.00pm)	12/06/2018	12/06/2018	21	72
Sensitization programme on Prevention of sexual harassment for Faculty members of Tezpur University by Prof. Sarasu Esther Thomas ,NLSIU, Bangalore. (Time: 2.30pm	12/06/2018	12/06/2018	29	38

to 5.30pm)				
Training Programme on Protection, Prevention and Redressal of Sexual Harassment at work place for ICC members and nominated members of Departments / Centres	13/06/2018	13/06/2018	23	5
Orientation programme on Prevention of sexual harassment to sensitize the new comers of the university during the new academic session	26/07/2018	27/07/2018	532	679
Department/ hostel Level Sensitization programme on Prevention of sexual harassment for students	19/02/2019	21/02/2019	759	521
Sensitization programme on Prevention of sexual harassment at campus for all the security staff and local vendors	19/03/2019	26/03/2019	32	84

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
Electricity generated from Solar PV plant of the University fulfills about 22 percentage of the electricity demand of the University campus on an average. Similarly, the organic fertilizer produced from the vermicomost plant of the University taking the bio waste generated in the campus fulfills the fertilizer demand of the campus (gardens, plantation etc) and also generates revenue by selling the surplus amount. University is also making successful attempt to utilize kitchen waste for generation of biogas for hostel mess.

7.1.3 – Differently abled (Divyangjan) friendliness

Item facilities	Yes/No	Number of beneficiaries

Physical facilities	Yes	47
Provision for lift	Yes	47
Ramp/Rails	Yes	47
Rest Rooms	Yes	47

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
2018	2	1	26/02/2018	8	Basic Computer Programme	Nil	20
2018	1	1	04/08/2018	1	plantation of about 190 seedling of different plant species	Deforestation	50

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

Title	Date of publication	Follow up(max 100 words)
Promotion of Academic Integrity and Prevention of Plagiarism in Higher Educational Institutions) Regulations, 2018	23/07/2018	The University strictly follows the Promotion of Academic Integrity and Prevention of Plagiarism in Higher Educational Institutions) Regulations, 2018 guidelines to ensure academic integrity and originality in the academic and research work. Plagiarism check is done through reputed software before awarding PhD. The University from time to time organises lectures/workshops on awareness about responsible conduct of research, thesis, dissertation, promotion of academic integrity and prevention of misconduct including plagiarism in academic writing among student, faculty, researcher and staff.

7.1.6 – Activities conducted for promotion of universal Values and Ethics

Activity	Duration From	Duration To	Number of participants
Yoga Day celebration	15/06/2019	21/06/2019	119
International Woman's Day Celebration	02/03/2019	08/03/2019	36
Observance of Gandhi Jayanti	02/10/2018	02/10/2018	138
Observance of Silpi Divas	17/01/2019	17/01/2019	178
Observance of Rabha Divas	20/06/2019	20/06/2019	178
Observance of National Education Day	11/11/2018	11/11/2018	148
Observance of Rabindra Jayanti	07/05/2019	07/05/2019	69
Teacher's Day Celebration	05/09/2018	05/09/2018	4000
Observance of Vigilance Week	28/10/2018	02/11/2018	4000
Rashtriya Ekta Divas	31/10/2018	31/10/2018	4000
Observance of National Science Day	28/02/2019	28/02/2019	3600

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

1. As a part of its continuous effort to increase green coverage, 673 saplings of various plant species have been planted within the University campus along with the regular aftercare of existing plants.

2. Leaf litters and similar biowaste collected in the University campus is scientifically converted into organic manure through a Vermicompost unit in a bid to recycle nutrients. The organic fertilizer demand for the gardens within the campus (~2.8 tonnes) are met by the domestic vermicompost production besides generating revenue by selling surplus amount (0.5 tonne).

3. Single use plastic is discouraged in and around campus

4. Use bicycle by students are made compulsory in place of motorized vehicle

5. A major share of electricity consumption in the campus is shared by solar energy

6. Hostel food waste is utilized as feed for needy animals or for feedstock of biogas plant

7.2 – Best Practices

7.2.1 – Describe at least two institutional best practices

A. Renewable Energy Use and Energy Conservation 1. Title of the Practice – Renewable Energy Use and Energy Conservation 2. Objectives of the Practice: To contribute to the national missions of Climate Change through exemplary

practices of renewable energy and energy conservation 3. The Context : Reliance on conventional energy has been a challenge for all aspects of life in today's society. Renewable and energy conservation have been considered as proven means to address the challenge. It is also a global concern to increase the share of renewable energy as well as to follow practices of energy conservation. India has committed to increase the share of renewable energy and enhance energy efficiency through several missions including national mission on Climate Change. Educational Institute has a role to play demonstrating the viability of such good and essential practices. It is in this context, Tezpur University has increased the share of solar generated electricity and prevent the uses of nonstandard low efficiency electrical appliances for the utilities in the Campus. 4. The Practice: A 1000 kWp Grid Connected Rooftop Solar PV Power (more than 1 Giga Unit annual generation of solar electricity) and uses of the most efficient BEE certified LED luminaries. 5. Evidence of Success: University meet 21.62 of its electricity requirements from the solar power plant or nonfossil fuel base energy source in the last one year. University reduced an amount of Rs 48.03 lakhs in the electricity bill due to the installation of solar power plant in the University which corresponds to annual reduction of 910 Metric tonnes equivalent of CO_2 emission. 6. Problems Encountered and Resources Required: The solar power plant is new and long duration experience will be useful for other academic Institutes in the region. 7. Notes: Tezpur University is the first Academic Institution in the entire North East Region to have MWScale Solar Power Plant. The detail of the plant is highlighted through web notification: http://www.tezu.ernet.in/dener/solar.htm B. Sustainable Practices 1. Title of the Practice – Reduce motorized vehicle and Recycle nutrients 2. Objectives of the Practice : To demonstrate the sustainable practices that can lead to sustainable environment and sustain its natural resources 3. The Context: Tezpur University is a residential campus hosting more than 5000 people comprising of 80 students. Use of motorized vehicles by student community inside the campus has not only remained as major environmental concern, but also concern for road safety. The support to the green coverage inside the campus demanded soil nutrients which was fulfilled by chemical fertilizer. Sufficient quantity of bio wastes including leaves are available for converting into organic fertilizer and thus potential source of nutrients recycling back into the soil for the benefits of the trees and plants inside the campus. 4. The Practice: Some of the notable practices are (i) use of bycycles (large number of cycle stands are installed at convenient locations besides distributing bycycles among some girls students) (ii) use of biogas in hostel kitchen through installation of food waste based biodigester and (iii) production and use of organic manure (vermicomposting) produced from biodecomposable waste and plant leaves. 5. Evidence of Success: • Leaf litters and similar biowaste collected in the University campus is scientifically converted into organic manure through a Vermicompost unit in a bid to recycle nutrients. The organic fertilizer demand for the gardens within the campus (~2.8 tonnes) are met by the domestic vermicompost production besides generating revenue by selling surplus amount (0.5 tonne). • About 3000 cubic meter of food waste generated biogas could be used in one of the Hostels annually. • Bicycle is the only mode of internal mobility inside the University Campus 6. Problems Encountered and Resources Required: There is no major problem. However, additional financial resources (capital) would be useful to expand the practices 7. Notes: Biowaste recycling has also been active areas of research for many scholars. Bicycle riding has been taken as pride of action by student community.

Upload details of two best practices successfully implemented by the institution as per NAAC format in your institution website, provide the link
http://www.tezu.ernet.in/IQAC/notices/BEST_Practices.pdf

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

A fully residential University nestled on a 106 ha campus at Tezpur in middle Assam, Tezpur University has completed 25 years (Established on January 21, 1994). With the present strength of more than 4000 students and 286 faculty positions, TU has crossed the landmark of graduating 10,000 learners so far. The University is currently offering 73 Academic programmes through 22 Departments and Six Centers under Four Schools (School of Humanities and Social Sciences School of Sciences School of Management Sciences and School of Engineering). The University also offers 11 programmes through its Centre for Open and Distance Learning. The University provides a very conducive and enabling environment for teaching, learning and research with state of art infrastructure including well stocked and spacious library, ICT enabled large and small lecture halls, 24/7 power, Campus WiFi, Health centre, Guest House with tastefully furnished rooms, conference rooms, indoor, outdoor sports facilities, gymnasium and swimming pool. Highlight of Research, Innovation, Collaboration • 31 Memorandum of Understandings (MoU) with different National and International bodies including University of Nottingham, UK Queen's University Belfast, UK Avan's University, Netherlands Misis University, Russia National Chung Hsing University, Taiwan KTH Royal Institute of Technology, Sweden • 3300 Scopus indexed Research Publications since inception including 1795 the five years of 201318 and 571 during the year 201718 • 28 Patents (National International) and some socially relevant technologies • More than Rs 80 Crores Fund generated during 20132018 for research. The University has come of age in securing various recognitions, some of the notable ones are: • Visitor's Award for Best University by the President of India in 2016, • 5th and 29th positions in the ranking of the National Institutional Ranking Framework (NIRF) of the Ministry of Human Resource Development, Government of India in 2016 and 2018 respectively, • Visitor's Best Research Award for Basic Science 2017 2018, • 34th position under Generation 'Y' category in the Times Higher Education (THE) World Young University Ranking 2017, • 99th rank in Times Higher Education Emerging Economies University Rankings 2018, • 20th position in the World's Best Small University Ranking 2018, 146th in QS BRICS University Ranking 35th QS India 2020 rank.

Provide the weblink of the institution
http://www.tezu.ernet.in/IQAC/

8.Future Plans of Actions for Next Academic Year

The University has a plan to improve its student intake every academic year by increasing intake and adding new programs of study. 10 EWS reservation has already been implemented. In addition, intake will increase with supernumerary seats for candidates under PMSS scheme and wards of exdefence personnel. University is planning to augment its infrastructure including (i) installation of CCTV in the corridors of all the academic and administrative buildings and strategic locations in the campus, (ii) additional smart class rooms, (iii) new Academic Buildings, (iv) new Hostels, (v) additional Residential Quarters and (vi) Animal House. Similarly, University is also planning new programmes. Sanction of new positions are received from UGC for starting of three new Departments viz., Design, Foreign Languages and Assamese. Recruitments will be done during the Autumn semester 201920. Necessary preparations for starting new programmes in Design (B. Des, Integrated MA (Chinese, German) and MA (Assamese) in 202021 will be carried out during the year. Further, one new department of Applied Science will be created in the School of Engineering. The department of English and Foreign Languages will be bifurcated into the two departments of (i)

English and (II) Linguistics and Language Technology Process is on for a major revision of the Academic Regulations based on feedback received from various stakeholders and regulatory agencies. Enhanced engagement with Alumni and Parents are planned so as to get their support for further improvement of the Institute. Enhanced outreach activities in conjunction with Unnat Bharat Abhiyan (UBA) are also planned. Similarly, industrial translation of technologies developed by the University are also planned. Activities under the collaborative programmes, both national and international will be carried out for making the collaboration meaningful and goal oriented.