TEZPUR UNIVERSITY

INSTITUTIONAL

DEVELOPMENT PLAN 2023

Approved by

The Board of Management *vide* Res. No. B.120/2024/3/1.3, Dated 26.06.2024

The Planning Board *vide* Res. No. PB.8/2024/1/2.1, Dated 20.05.2024

The Academic Council *vide* Res. No. AC.47/2024/1/1.3, Dated 22.05.2024

TEZPUR UNIVERSITY, ASSAM, INDIA

1. Genesis and establishment of Tezpur University:

As per the provision of Clause 6 of Assam Accord signed amongst Govt. of India, Govt. of Assam and All Assam Students' Union (AASU), Tezpur University was established in January 1994 by an Act of the Parliament (Act No. 45 of 1993) as a residential University. The University is located at Napaam, about 15 km east of Tezpur town on the northern bank of the river Brahmaputra. The town of Tezpur, famous for its ancient history and rich cultural heritage, is linked by road, rail and limited flight services to the rest of the state and the country. The 262-acre lush green campus ofTezpur University offers an excellent ambience for teaching and research.

At present, the University offers 76 teaching and research programmes though its 28 academic departments under 4 schools of studies. In addition, there are several centres that are engaged in various academic activities and extension and training programmes. The Universityhas been diligently working on expanding select branches of knowledge in order to generate suitable inputs critical for the utilization and engagement of the region's vast and unique resources. Tezpur University is engaged in the process of capacity building, both in terms of human resource development and development of state-of-the art learning infrastructure from the very beginning. With this vision, the University is committed, on one hand, to keep abreastof the changes in the contemporary world, and to nurture the cultural and traditional diversity of the region on the other.

This Institutional Development Plan document offers a broad guideline towards the future course of action to be taken by the university in forthcoming years, may be for another 20 years.

Vision and Mission of Tezpur University:

Vision:

To develop human excellence and inculcate leadership through hard work and creativity.

<u>Mission:</u>

To render Tezpur University one of the most preferred destinations of students, faculty and scholars and employees. To be in the top 50 Universities of the World.

A. Social and Academic Mission:

Social and Academic mission of the university has been spelt out in the objects of the university in the first schedule of the University Act as given below:

The University shall endeavour through education, research, training and extension to play a positive role In the development of the North-Eastern Region, and based on the rich heritage of the region, to promote and advance the culture of the people of the State of Assam and its human resources. Towards this end, It shall

(a) strive to offer employment oriented and Inter-disciplinary courses, mostly at post-graduate level, to meet the local and regional aspirations and the development needs of the State of Assam.

(b) offer courses and promote research In areas which are of special and direct relevance to the region and in emerging areas in Science and Technology.

(c) promote national integration and the study of the rich cultural heritage of the region and in particular, the diverse ethnic, linguistic and tribal cultures of the State.

(d) utilise distance education techniques and modern communication technologies to provide access to higher education for large segments of the population, and in particular, the disadvantaged groups such as those living in remote and rural areas; to upgrade the professional knowledge and skills of In-service personnel, in particular. school teachers, medical personnel and extension staff, and to provide opportunities for life-long learning for adults and

(e) provide an innovative system of university level education. flexible in regard to methods and pace of learning. combination of courses. eligibility for enrolment, age of entry. conduct examination and operation of the programmes with a view to promote learning and encourage excellence in new fields of knowledge.

B. Basic Principles:

The University is to contribute towards the development and inclusive growth of nation in general and North East India in particular and Assam in specific through disseminating :

I. advance knowledge by providing instructional and research facilities in domains like

   a) existing and emerging areas of Science, Technology, Humanities and Social Sciences

   b) employment oriented and inter-disciplinary courses

   c) areas of study which are of special and direct relevance to the region and meet the local and regional aspirations for development.

   d) courses that promote national integration and studies of cultural heritage of the region and in particular, the diverse ethnic, linguistic and community cultures of the State of Assam.

II. to utilize distance education techniques and modern communication technologies like ICT to provide access to higher education for large segments of the population, and in particular, the disadvantaged groups such as those living in remote and rural areas.

III. to provide an innovative system of university level education, flexible in regard to methods and pace of learning, combination of courses, eligibility for enrolment, age of entry, conduct examination and operation of the programmes with a view to promote learning and encourage excellence in new fields of knowledge.

IV. to reach out for improvements of the social economic conditions and welfare of the people of that state, their intellectual, academic and cultural development through teaching, research and innovations.

C. Main Objectives and Goals to be achieved by IDP:

1. To envisage being among the top in the country in terms of research output and industrial/-field applications with an aim of being among the best 5 Central Universities in research excellence in the country

2. To see that its research findings get published in high impact factor journals, which will work university raising the h-index from its present status to around 200 within the next 20 years.

3. To cultivate a conducive research environment to enable at least 3 (three) faculty members to be recognized by one of the national academies in the next five years or so.

4. To endeavor to increase its income from consultancy services within the next five years.

5. At least ten innovations are to be transferred to industries within the next five years and at least fifty technologies to be contributed to industries and service sections like health, education, agriculture, environment etc.

6. Create Centres of Excellence identifying key areas of research with emphasis on interdisciplinary research.

7. To work towards increasing the grant received for research projects by 10% annually.

8. To aim at marketing its intellectual property.

9. To conduct research which has present day social relevance and can contribute to national development.

10. To strengthen the existing industry academic linkage rather strongly.

D. Strategic Goals and Development Objectives:

I. Strategy Formulation:

The University's strategic approach is rooted in a comprehensive Approach Profile, Vision Document, and Perspective Plan. The proactive implementation of the National Education Policy (NEP) 2020 is a testament to its commitment to evolving educational standards. The strategy formulation involves:

1. **Recruitment of Faculty:**
   o Targeting national-level recruitment drives to attract faculty with research excellence in key identified areas so that the University becomes a knowledge hub.
2. **Research Excellence:**
   o Encouraging faculty to concurrently manage multiple research projects keeping in mind the societal issues.
   o Establishing a policy for academic breaks dedicated to research.
3. **Thrust Area Focus:**
   o Aligning research activities with approved thrust areas relevant to contemporary demands specially towards solving socio economic problems.
4. **Research Clusters:**
   o Establishing six to eight research clusters focusing on identified leading areas which may contribute in Technological and economical growth.
5. **Interdisciplinary/Multidisciplinary Emphasis:**

      o   Promoting interdisciplinary/multidisciplinary research and academic programs so that Alumni of the University becomes ready to serve.

II. Strategic Goals:

1. **Innovative Research:**
   - o Emphasizing innovative projects at various academic levels involving young minds from the UG level onwards.
   - o Encouraging Alumni for establishing start-up companies.
2. **Commercialization:**
   - o Focusing on the commercialization of research inventions and incentivizing faculty innovations.
3. **Consultancy Services:**
   - o Publicizing university expertise for consultancy services, aiming for increased earnings.
4. **Linkages and Collaborations:**
   - o Establishing and maintaining effective linkages with government institutions, national/international research labs, and industries.
   - o To collaborate with international HEIs for joint research and academic programmes.
5. **Research Facilities:**
   - o Planning for the augmentation of state-of-the-art research facilities and equipment for sustainability through sponsorship, philanthropic activities.
6. **E-Resource Repository:**
   - o Developing a robust repository of e-resources to counteract challenges related to low Teacher-Student ratios.
7. **Research Ethics:**
   - o Imbibing researchers for committing to maintaining research ethics and the highest integrity.

III. Development Objectives:

1. **Faculty Mentoring and Support:**
   - o Implementing mentoring and support programs for young faculty members through a dedicated task force.
   - o To create peer group for guiding and encouraging quality output in terms of teaching and research.
2. **Career Development:**
   - o Creating an environment that attracts and retains faculty at the pinnacle of their careers.
   - o Providing support for initiating research & innovations.
3. **Appointment Strategies:**
   - o Exploring various appointments (Visiting Professor, Adjunct Professor, Professor of Practice, etc.) for young faculty members' career development.
4. **Teaching Learning Centre Strengthening:**

      o Strengthening the existing Teaching Learning Centre for conducting capacity-building programs.

      o Deputing Teachers & researchers for induction/ orientation program.

The University's strategic focus on research, innovation, interdisciplinary collaboration, and faculty development aligns with its commitment to academic excellence and societal impact.

E. Operationalisation:

I. In House IDP Strategy Teams:

The operationalization of the Institutional Development Plan (IDP) involves the formation of in-house strategy teams. These teams are tasked with the implementation and execution of various aspects outlined in the IDP. Key components of the in-house IDP strategy teams include:

1. **Committee Formation:**
   o Constituting specialized committees within the university structure to act as the IDP Governing body.
2. **Multidisciplinary Approach:**
   o Ensuring representation from various disciplines to provide diverse perspectives.
3. **Implementation Oversight:**
   o Monitoring the effective execution of the IDP and also to advise on the changes to be made in IDP in context of changing need with time on the basis of periodic reviews.

The IDP Governing Body may serve as a pivotal entity in steering the university towards its developmental objectives, ensuring adaptability to changing circumstances, and maintaining a strategic focus on long-term growth.

2. Institute Development Plan (IDP) FRAMEWORK:

Major components (Parameters for Institutional Excellence)

In accordance with the provision of Tezpur University Act, , the establishment of departments within the University is guided by Statutes 43. These departments, based on the nature of their teaching and research areas, are assigned to different schools as mandated by the provisions of Ordinance 1.

The ordinance outlines the creation of five schools, four of which currently exists. The Ministry of Education, Government of India, allocated the School of Education at its discretion. Additionally, the University Grants Commission (UGC) approved the Department of Law, which, in compliance with regulatory requirements, is to be under the School of Law/Legal Studies. New schools will be established through the appropriate

procedures as and when new departments will be approved by the Higher Education department, Govt. of India.

Although Statute 43 initially provided for the establishment of 39 academic departments and 30 centers, some departments and centers have been founded in addition to mentioned ones in this statute. Presently, 28 departments are in operation. The University formulates a Vision Document for a defined period and a Perspective Plan for the implementation of the mandates outlined in the vision document within a specified timeframe. This includes the establishment of new departments/centers and/or the introduction of new programs. Provisions are accordingly made to amend these statutes and ordinances by the University, proposing or establishing new departments as required by the current needs or as directed by the Government from time to time.

A. Physical Infrastructure:

I. Overview: The university's physical infrastructure development has been guided by a master plan since its initial stages in 1995. Engaging an agency, the plan laid out a structured growth roadmap, encompassing the development of physical infrastructure, essential amenities, and a sustainable ecosystem for a residential university. The ongoing proposal for expansion aligns with this master plan.

II. How to Improve the Physical Infrastructure:

a) General Campus Planning Principles:

- The university follows general campus planning principles to ensure optimal utilization of space, efficient traffic flow, and aesthetically pleasing surroundings. This includes considerations for academic, residential, and recreational spaces.

b) Green Initiatives through Strategic Planning:

- Strategic planning incorporates green initiatives into the development process. Sustainability is a key aspect of the university's approach, with an emphasis on eco-friendly construction, energy-efficient systems, and the preservation of green spaces at least above the optimum threshold.

The university, in line with the changed policy of the Government of India, has transitioned to funding developmental projects—including academic buildings, hostels, amenities, and research facilities—through the Higher Education Funding Agency (HEFA). Approval has been secured for the construction of nine building projects, further supporting the implementation of the master plan and ensuring the growth and sustainability of the university's physical infrastructure.

Sl. No.	Buildings
1	**One Lecture Hall Complex for the departments under the School of Sciences and Humanities & Social Sciences**
2	**Academic Building for Department of Physics**
3	**Academic Building for Department of Commerce**
4	**Academic Building for Department of Law**
5	**500 capacity Boys' Hostel**
6	**500 capacity Girls' Hostel**
7	**Type -C Residential Building**
8	**Type -D Residential Building**
9	**Animal House**

In continuation, the university is actively engaged in the construction of additional buildings and the procurement of high-end research equipment in phases through funding from the Higher Education Funding Agency (HEFA). These initiatives have been recommended by the Academic Council and approved by the Board of Management, aligning with proposals for the establishment of new academic departments.

The university has meticulously prepared a plan for the development of physical infrastructure tailored to the needs of these new departments. Funding for these projects is sourced from the Government of India and other relevant agencies.

In accordance with the new policy of the Government of India, the university has proposed nine building projects for HEFA funding. The details of these projects are listed below:

Sl. No.	Name of the Building/Facilities	Estimated Cost(in Crore)
1.	2 Storied RCC Lecture Hall Complex-I for School of Engineering and Management Sciences	40.54
2.	RCC 4 Storied Academic Building for Department of Electrical Engineering	31.11
3.	RCC 4 Storied 100 Capacity International Hostel(with hot water and Solar System)	11.88
4.	Academic Office for Examination and Academic Branches	20.57
5.	RCC 4 Storied Yoga and Gymnasium Centre	15.56
6.	RCC 4 Storied 200 Capacity Studio Apartments for Newly recruited staff	29.41
7.	500 seater Boys Hostel	51.11
8.	500 seater Girls Hostel	51.11
9.	RCC 4 Storied Type B Residential Building	21.23

	(2 Blocks x 12 Units)	
10.	RCC 4 Storied Type D Staff Residential Building (2 Blocks x 12 Units)	14.65
11.	Extension of the Department of Energy	4.47
12.	Water Treatment Plant - III	5.50
13.	Sewerage Treatment Plant	25.00
14.	Storm Water Drainage System	10.00
15.	Construction of 11 KVA UG Cable for proposed Sub-station No-VI (Additional Plot)	1.24
16.	Construction of 11 KVA/0.433KV 2X500 KVA Sub-station No-VI (Additional Plot)	1.02
17.	Installation of 3 Nos 500 KVA Silent DG Set (1 attached with the existing DG House near KBR Auditorium & 2 sets in the proposed Sub Station No-VI)	1.37
18.	Installation of LED Street Light as additional plot of SoE	0.53
19.	Boundary Wall for Additional Plot (Proposed Length of wall 6032 Metre)	13.31
20.	Internal Road: for additional plot with pitch width 3.75 meter up to Granular su-base Grade-III	11.15
21.	Construction of 300 Capacity (G+2) single bedded Research Scholar Hostel for Men	40.96
22.	Construction of 300 Capacity (G+2) single bedded Research Scholar Hostel for Women	40.96

The Board of Management has granted approval for the submission of above listed building projects to the Ministry of Education for funding through HEFA.

Expansion of Academic Positions and New Departments:

Towards the integral growth and development of the institution, the proposal for the establishment of thirteen new departments has been both proposed and approved by the Academic Council and the Board of Management vide resolutions AC.44/2023/1/2.37 dated 24/05/2023 and B.112/2023/2/1.3 dated 29.05.2023, respectively.

Comprehensive proposals for these new departments, accompanied by Detailed Project Reports (DPR), have been diligently compiled. These proposals have been formally submitted to the Ministry of Education, Government of India, for their consideration and necessary approval. This strategic move reflects the commitment of the institution to advancing its academic offerings and facilitating overall growth.

Sl. No.	Department
1	Economics
2	Statistics
3	Psychology
4	Political Science
5	Geography
6	History
7	Pharmaceutical Sciences
8	Yoga and Sports Science (revised as Department of Yoga)

9	Petroleum technology
10	MIL
11	Library & Information Science
12	Tourism Management
13	Defence Studies

In response to the evolving academic needs, the Board of Management, acting upon the recommendation of the Academic Council, has approved the creation of additional teaching positions. The details of the proposed academic positions are as follows:

Details of Proposed Additional Academic Positions:

Sl. No	Department	Proposed Positions			Total
		Professor	Associate Professor	Assistant Professor	
1	Assamese	0	1	4	5
2	English		2	3	5
3	Education	1	1	4	6
4	Linguistic and Language Technology	1	1	2	4
5	Law	0	0	9	9
6	MCJ	0	0	4	4
7	Chemical Sciences	0	1	2	3
8	Environmental Science	2	2	3	7
9	Mathematical Sciences	0	1	2	3
10	Molecular Biology and Biotechnology	0	1	0	1
11	Physics	0	1	3	4
12	Business Administration	0	0	2	2
13	Commerce	0	0	4	4

14	Applied Sciences	0	2	3	5
15	Civil Engineering	1	2	4	7
16	Computer Science Engineering	0	2	4	6
17	Design	0	0	1	1
18	Electrical Engineering	1	4	10	15
19	Electronics and Communication Engineering	1	2	4	7
20	Energy	0	0	1	1
21	Food Engineering and Technology	1	2	4	7
22	Mechanical Engineering	1	4	3	8
23	Vocational Studies and Skill Development		1	2	3
Positions for Proposed New Departments					
1	Economics	1	2	4	7
2	Statistics	1	2	4	7
3	Psychology	1	2	4	7
4	Political Science	1	2	4	7
5	Geography	1	2	4	7
6	History	1	2	4	7
7	Pharmaceutical Science	1	2	4	7
8	Yoga (sports science has been proposed separately)	1	2	4	7
9	Petroleum Technology	1	2	4	7
10	MIL	1	2	4	7
11	Library and Information Science	1	2	4	7
12	Tourism Management	1	2	4	7
13	Defence Studies	1	2	4	7
Total (for 36 departments)		56	130	56	208

Additionally, the University has proposed the establishment of the Department of Women's Studies through a resolution passed by the Board of Management. Moreover, the Academic Council has

recommended the creation of the Department of Physical Education and Sports Science which are being pursuaded.

These proposed positions and new departments aim to enhance the overall educational experience and expertise within the university community aiming to meet the need of the society in coming days.

Considering the university's obligation to repay a portion of the HEFA loan using its own resources, a strategic plan has been devised to boost Institutional Revenue Generation (IRG). This proactive approach is aimed at safeguarding the uninterrupted growth of the university.

By augmenting IRG, the university not only meets its financial commitments but also fortifies its capacity for sustained development and progress. This initiative underscores the institution's commitment to financial sustainability and continued excellence in its academic and research endeavors.

Additional Land Acquisition:

It is noteworthy that the university, encompassing approximately 262 acres of land, finds this space insufficient to accommodate all proposed new departments adequately. To facilitate further expansion of academic activities through the establishment of new departments, the university has formally requested the Honorable Chief Minister of Assam for the allotment of an additional plot of land, covering at least 240 acres. In response, the District Commissioner of Sonitpur has communicated that a proposal for the allotment of 255 acres of land is currently under submission to the Govt. of Assam which will make the physical growth of the University possible paving the way for academic growth.

Green Initiatives:

Situated in one of the vital wilder areas of Tezpur city, characterized by precious biodiversity, the university, covering an area of about 262 acres, is dedicated to preserving and conserving nature through various green initiatives. Key initiatives include:

1. **Green Computing Practice:**

- o Adopting paperless communication methods such as emails and online forms to reduce carbon footprint associated with paper usage. This practice has significantly contributed to CO2 reduction and biomass conservation.

2. **Solar Electricity Generation:**
   - o Installation of a 1000KWp capacity Solar Power Plant, contributing to electricity generation and reducing the university's carbon footprint. The campus features 15 electrically neutral buildings equipped with solar systems, with plans for further solar energy installations.

3. **Sustainable Construction Practices:**
   - o Incorporating green building concepts in new constructions to enhance energy efficiency, considerate use of light and ventilation, and minimize electricity consumption.

4. **Plantation and Nurturing Programme:**
   - o Organizing plantation drives on campus, particularly on World Environment Day, and participating in the government's tree plantation scheme. Students actively contribute to nurturing and watering trees, ensuring the success of these programs.

5. **Environmental Sustainability Events:**
   - o Hosting conferences and workshops focused on environmental sustainability to raise awareness and promote eco-friendly practices.

6. **Waste Management Initiatives:**
   - o Green initiatives in all departments for chemical and waste management, with plans to introduce more scientific methods in collaboration with premier institutes.

7. **Biogas Production from Food Waste:**
   - o Converting food waste generated from university hostels, guest houses, canteens, and staff quarters into biogas, with plans to extend this practice to cover all hostels in the future. The byproduct, vermicompost, is utilized for gardening and cultivation.

8. **Solar-Powered Vehicles and Street Lamps:**
   - o Anticipating the use of solar battery-operated vehicles on campus to reduce the vehicle footprint. The installation of solar energy-based street lamps will further contribute to reducing the carbon footprint.

9. **Clean Development Mechanism (CDM) Awareness:**
   o Initiatives to create awareness among faculty, students, and other employees regarding CDM to reduce electricity and natural resource consumption, as well as lower CO_2 emissions.
10. **Carbon Sequestration Survey:**
   o Conducting a "Carbon Sequestration" survey on campus as part of environmental audits, aligning with the Kyoto Protocol's essential clauses to mitigate global warming.

These collective efforts are the university's commitment to sustainability, environmental conservation, and responsible growth.

B. Digital Infrastructure:

I. Overview:

The University has made significant strides in developing a robust digital infrastructure to streamline administrative processes and enhance the overall learning experience. This encompasses various software applications for automation, participation in government projects, and digitization initiatives.

II. Framework for Digital & Information and Communications Technology (ICT) Infrastructure and Roadmap:

The university has established a comprehensive framework for its Digital & ICT Infrastructure, guided by a strategic roadmap. This framework involves the integration of various software applications, participation in national projects like SAMARTH, and the digitization of library resources. The ongoing implementation of the SAMARTH Project's Work flow module further underscores the commitment to a fully integrated Enterprise Resource Planning (ERP) system.

III. Developing the Digital Infrastructure:

1. **Software Automation:**
   - The university has developed software for automation across various functions, including Admission, Examination results, fee receipt, digital payment, Salary/other Payments, and leave application.

2. **SAMARTH Project Participation:**
   - Active participation in the SAMARTH Project initiated by the Government of India through Delhi University, featuring 44 modules for the comprehensive automation of university administration.

3. **Library Digitization:**
   - The library has introduced numerous automated systems and plans to achieve complete digitization. Integrated Library Management Open Source Software, KOHA, is utilized for various library operations, ensuring efficient management of resources.

4. **Learning Environment:**
   - The university provides a dynamic learning environment equipped with state-of-the-art facilities, including 136 ICT-enabled classrooms, 8 smart classrooms, 33 well-equipped seminar halls, advanced laboratories, sophisticated instrumentation facilities, computing resources, and dedicated power supply. Plans for the expansion of the automated library with 24x7 services are underway.

5. **Cloud Infrastructure:**
   - The adoption of cloud infrastructure is emphasized, enabling centralized information management without the need for specialized hardware and software on individual terminals. This approach enhances scalability and data accessibility.

6. **Digital Teaching-Learning:**
   - All newly constructed academic infrastructures are designed to comply with digital teaching-learning methodologies, minimizing paperwork and promoting a streamlined, efficient educational process.

7. **Green Audit and Clean Development Mechanism (CDM):**
   - The Green Audit of 2022 highlights the university's commitment to sustainability. The current CDM practices, aimed at reducing approximately 18.10 tons of CO_2

annually, are projected to achieve a significant reduction of up to 100 tons per year by 2030.

C. Academic Infrastructure:

I. Overview:

Tezpur University recognizes the regional demand for a skilled workforce and places a strong emphasis on academic infrastructure development. The Perspective Plan 2017-2022 proposed the establishment of several departments and centers under various school to cater to the educational needs of the region. The university has also aligned its vision with the National Education Policy (NEP) 2020, focusing on holistic development and the introduction of skill-oriented programs.

II. Developing & Improving Innovative Academic Infrastructure:

a) Development:

1. **Perspective Plan Implementation:**
   o The university is actively implementing the Perspective Plan, seeking approval from the Ministry of Education (MoE) for the establishment of new academic departments and programs.
2. **NEP 2020 Implementation:**
   o Emphasis is placed on the implementation of NEP 2020, introducing skill-oriented programs and comprehensive development strategies.
3. **Curriculum Development:**
   o Academic departments are engaged in developing course curricula for various programs and creating e-courses to enhance the learning experience.
4. **Value-Added Courses (VAC) and Employability Courses (EC):**
   o The university is incorporating new Value-Added Courses and Employability Courses in alignment with NEP 2020, focusing on start-up management, entrepreneurship, and job readiness.

5. **Collaboration with Military Engineering Services (MES):**
   - o Proximity to MES offices provides an opportunity for collaboration in research activities, particularly in areas like drone technology and industry.

b) Improvement:

1. **Inclusion of New Courses:**
   - o Continuous efforts will be made to include new courses to meet the evolving demands of the industry and enhance the employability of graduates.
2. **Research Augmentation:**
   - o The Dean of Research & Development is spearheading efforts to increase research activities, securing more sponsored research projects and consultancy activities.

SCHOOL OF STUDIES:

A) SCHOOL OF SCIENCES:

1. Deptt. of Physics.
2. Deptt. of Chemical Sciences.
3. Deptt. of Mathematical Sciences.
4. Dept. of Environmental Sciences
5. Deptt. of Molecular Biology and Bio-Technology

B) SCHOOL OF ENGINEERING:

1. Applied Sciences
2. Computer Sc. & Engineering
3. Civil Engineering
4. Electrical Engineering
5. Electronics & Comm. Engineering
6. Energy
7. Design
8. Food Engineering & Technology

9. Mechanical Engineering

C) SCHOOL OF MANAGEMENT SCIENCES:

1. Business Administration
2. Commerce
3. Tourism Management

D) SCHOOL OF HUMANITIES AND SOCIAL SCIENCES:

1. Assamese
2. Cultural Studies
3. Education
4. English & Foreign languages (*Trifurcated)
5. Hindi
6. Law
7. Mass Communication & Journalism
8. Social works
9. Sociology

The university's commitment to academic infrastructure development is evident in its strategic approach, aligning with national policies and fostering collaboration for innovative research and educational programs. The diverse range of schools and disciplines is expected to ensure a comprehensive educational experience for students.

The university contemplates introducing three new schools:

(i)   School of Law with department of Law

(ii)   School of Education with department of Education, Yoga, Physical Education & Sports Sciences

(iii) School of Paramedical Sciences with department of Pharmacy and department of paramedical Sciences

University's Strategies Based on SWOC/ABCD Analysis:

1. **Research and Innovation Encouragement:**
   - **a) Startup Grants:** Providing startup grants to faculty members to foster research initiatives and innovation.
   - **b) Financial Assistance:** Offering financial assistance to research students and faculty members for attending conferences, facilitating knowledge exchange and networking.
   - **c) Institutional Fellowship:** Awarding institutional fellowships to selected Ph.D. students, encouraging and supporting their research pursuits.

2. **Faculty Development Programmes:**
   - Conducting regular Faculty Development Programmes through the Teaching Learning Centre to enhance the teaching skills and professional development of faculty members.

3. **Curriculum Design and External Expert Consultation:**
   - Ensuring that all course curricula and syllabi are designed in consultation with external experts from academia and industries. This approach ensures that academic programs align with industry needs and global standards.

4. **Stakeholder Feedback Mechanism:**
   - Regularly soliciting feedback from various stakeholders, including students, alumni, parents, and employers.
   - Analysis of the feedback obtained to identify areas for improvement and to address concerns promptly.

5. **Continuous Curriculum Review:**
   - Conducting periodic reviews of existing course curriculum and syllabi based on the feedback analysis.
   - Ensuring that curriculum updates reflect emerging trends, technological advancements, and the evolving needs of the industry.

The university's commitment to strategic planning and continuous improvement is evident through its systematic SWOC/ABCD analysis. By addressing weaknesses, leveraging strengths, and staying

responsive to external factors, the university aims to provide a dynamic and relevant educational experience for its stakeholders. The emphasis on research, faculty development, stakeholder engagement, and curriculum review reflects a comprehensive approach to quality education and innovation.

D. Research & Intellectual Property Infrastructure

I. Overview: Tezpur University has prioritized research and intellectual property (IP) initiatives to contribute significantly to academia and society. The establishment of the Research and Development Cell and Intellectual Property Rights (IPR) Cell showcases the commitment to fostering innovation and protecting intellectual creations.

II. Role of Research and Intellectual Property Infrastructure: The infrastructure plays a crucial role in:

- Facilitating guided research for Ph.D. and addressing societal challenges.
- Managing IP rights, supporting IP protection, and creating awareness.
- Conducting innovation contests to unearth and nurture talent.
- Collaborating with DPIIT, CIPAM, and other agencies for IP promotion.
- Promoting interdisciplinary IPR courses for students at various levels.
- Creating IPR literates among students and researchers.
- Facilitate startup by students and alumni through Incubation centre.

III. Developing Research & Intellectual Property Infrastructure:

- Collaborate with government bodies, industry, and research organizations.
- Establish and support IPR Cells with trained personnel.
- Provide financial and infrastructural support for IP creation.
- Encourage interdisciplinary courses on IPR at all academic levels.
- Facilitate technology transfer and commercialization through incubation centres.
- Establishment of exclusive physical infrastructure for incubation and skill development.

IV. Specialized Structure for Research in Indian Academic Institutions:

- Technology Innovation and Support Center (TISC) under DPIIT for global technology information access.
- Collaboration with Cell for IPR Promotion (CIPAM), DPIIT, Govt. of India.
- Emphasis on IPR awareness programs and interdisciplinary courses.
- Integration of IPR concepts in research strategies.
- Promotion of community-level intellectual property awareness.

E. Supportive and Facilitative Infrastructure

I. Overview: Tezpur University focuses on providing support for teaching, learning, research, and student well-being through various infrastructural elements.

II. Developing Supportive and Facilitative Infrastructure:

- Establish Sophisticated Analytical Instrumentation Centre (SAIC) for research.
- Develop and maintain common facilities like the Central Library, computer laboratories, and high-performance computing facilities.
- Initiate dedicated offices for sports, cultural activities, and health services.
- Create an Equal Opportunity Cell and SC/ST cell for student support.
- Foster a democratic and transparent administrative system with stakeholder involvement.
- Utilize technology for effective teaching, including video lectures and online resources.

F. Infrastructure for Networking and Collaborations

I. Overview: Tezpur University recognizes the importance of networking and collaborations with national and international institutions, industries, and research organizations.

II. How to Develop Networked Infrastructure:

- Establish centers for industry-academia interface, innovation, incubation & entrepreneurship, and a directorate of international affairs.
- Formulate action plans for collaboration with academic and R&D institutions.
- Strengthen the campus-wide LAN with OFC connectivity and high-speed internet.

- Foster MoUs with institutes nationally and internationally for research and student/faculty exchange.
- Enhance collaboration with institutes in the northeastern region through conferences and MoUs.

G. Governance Infrastructure

I. Overview: Tezpur University prioritizes good governance through established institutional arrangements and guidelines. The institution has implemented e-governance across administration, finance, admissions, and examinations. Various online portals and systems, such as SAMARTH, Grievance Redressal, and Financial Applications, contribute to transparency and efficiency. The University's strong social media presence enhances communication and engagement.

II. Undertaking the importance of Good Governance: Good governance is crucial for transparency, accountability, and effective decision-making. It ensures that the institution operates ethically, follows established procedures, and meets the needs of all stakeholders. Implementing e-governance enhances accessibility, efficiency, and communication within the university community.

III. How to Improve Governance:

1. Continuously update and upgrade e-governance systems for optimal functionality.
2. Conduct regular training for staff and stakeholders on new governance tools.
3. Enhance cybersecurity measures to protect sensitive data.
4. Strengthen social media strategies for improved communication.
5. Encourage stakeholder participation in decision-making processes.
6. Implement feedback mechanisms to assess and improve governance practices.

H. Financial Infrastructure and Funding Models

I. Overview: Tezpur University relies on funding from various sources, including the University Grants Commission (UGC) and government grants. The institution aims to enhance financial sustainability by diversifying revenue streams and implementing cost-saving measures.

II. How to Improve Financial Infrastructure:

1. **Diversify Revenue Streams:**
   - o Increase consultancy projects and research collaborations.
   - o Expand online and distance education programs for wider access.
   - o Strengthen alumni engagement for fundraising initiatives.

2. **Internal Revenue Generation (IRG):**
   - o Develop an action plan to meet 30% of expenditures through IRG.
   - o Increase consultancy services, research projects, and technology transfer.

3. **Government and Institutional Collaborations:**
   - o Approach Ministries and government departments for specific project funding.
   - o Collaborate with state government undertakings for project implementation.

4. **Alumni and Philanthropy:**
   - o Strengthen the alumni association for fundraising campaigns.
   - o Encourage philanthropic contributions from alumni and other stakeholders.

5. **HEFA Repayment Plan:**
   - o Repay the appropriate portion of HEFA loans through IRG, for which IRG is to be increased in a planned manner.
   - o Explore additional funding opportunities from government agencies.

6. **State Government and Councils:**
   - o Approach state government bodies and councils for project funding.
   - o Explore collaborations with regional development authorities.
   - o Explore for availing benefits of various schemes of other departments

3. IDEAL INFRASTRUCTURE & TIMELINES

A. Timelines:

- To prepare a comprehensive timeline for infrastructure development and upgrades.
- To align timelines with the university's strategic goals and funding availability.

B. List of Ideal Infrastructures:

1. **HEFA Phase II:**
   - o Plan and initiate projects under HEFA Phase II for infrastructure development.
   - o Prioritize projects based on academic and research needs.

 Some additional requirement infrastructure are as follows:

   (i)   Building for Convection Centre
   (ii)   Building for Startup and Skill development
   (iii)   Building for International affairs
   (iv)   Facilities for online examinations to cater courses offered in online mode like SWAYAM/MOOCS or any other.

2. **Sports Infrastructure from Govt. of Assam:**
   - o Collaborate with the Government of Assam for sports infrastructure projects.
   - o Outline the scope, budget, and timelines for sports facilities.

<mark>(Note: Additional details and specifics can be incorporated based on the university's strategic plans and specific requirements.)</mark>

4. Centers of Excellence

Tezpur University recognizes the importance of maintaining high standards of quality and excellence in higher education, especially with the ongoing expansion of the institution. The commitment to innovation in teaching and learning is crucial for upholding academic excellence. To achieve this, the university outlines key initiatives:

1. **Academic Support System Investment:**
   - o Allocate sufficient resources for creating and maintaining a robust academic support system.

o Invest in the procurement and upgradation of teaching and research-related equipment.

2. **Infrastructure Expansion and Upgradation:**
   o To prepare a rationalized plan for expanding and upgrading infrastructure, including libraries and ICT facilities with timeline.
   o To ensure that expansion efforts align with projected growth to enrich the overall academic environment.

3. **Faculty Development Initiatives:**
   o Conduct Induction Program for all new entrants.
   o Conduct conferences, seminars, workshops, and symposia to foster faculty development.
   o Provide publication grants to faculty members to encourage research and scholarly activities.

4. **Travel Assistance for Faculty:**
   o Allocate provisions for financial assistance to cover travel expenses for faculty attending national and international conferences, seminars, and workshops.
   o Encourage faculty members to participate in such events at least twice a year nationally and once in three years internationally.

5. **Internal and External Quality Checks:**
   o Strengthen the Internal Academic Audit Committee and the Internal Quality Assurance Cell.
   o Develop a more efficient system for quality checks and continuous improvement.

6. **Feedback Mechanisms:**
   o Continue implementing a robust Student Feedback mechanism for internal checks on teaching, learning, and evaluation systems.
   o Enhance measures to collect and analyze feedback from both internal and external stakeholders.

Distinctive Centers of Excellence: The university emphasizes the contribution of three distinctive Centers of Excellence to the growth and development of research in the northeastern region:

1. **Department of Computer Science and Engineering (CSE):**
   - o Recognized by the Ministry of Education (Erstwhile MHRD), Govt. of India, as a Center of Excellence.
   - o Invest in resources and support to maintain and enhance its status.
2. **Department of Cultural Studies, English and Foreign Languages, and Centre for Assamese Studies:**
   - o Recognized by UGC as a Center for Potential Excellence in Particular Areas (CPEPA).
   - o Allocate resources to support the diverse research initiatives within these departments.
3. **Department of Environmental Science:**
   - o Awarded the status of a Center of Excellence by DST under the Climate Change Programme.
   - o Ensure continued support for research and initiatives related to environmental science and climate change.

By focusing on these Centers of Excellence, Tezpur University aims to elevate its academic and research standards, contributing significantly to the growth and development of the northeastern region with the following thrust area departments:

1. Department of Tourism Management:

- **Legacy:**
  - o Tezpur University pioneered tourism education in the North Eastern Region, introducing a Post-graduate program on tourism management in 2002.
  - o Upgraded to a master's program in 2016 under the Department of Business Administration in the School of Management Sciences.
  - o With the National Education Policy 2020, there's a need to conduct the program under a dedicated Tourism Management department.
- **Objectives:**
  - o Design and implement a new curriculum aligning with NEP 2020.

- Adopt a multi-disciplinary approach, offering modular certification at different study levels.
- Increase enrollment by catering to various segments of the tourism industry.

- **Impact:**
  - Creation of a skilled manpower pool with technical and management functions.
  - Development of educated individuals capable of transforming the region into a tourist paradise.

- **Faculty and Technical Positions:**
  - Establishment of academic and technical positions to ensure efficient skill delivery.
  - Attraction of specialized faculty members and technical experts.

---

2. Department of Defence Studies:

- **Rationale:**
  - Global instability demands preparedness for security challenges and conflicts.
  - Submission of a Detailed Project Report (DPR) for the establishment of a Department of Defence Studies to the Ministry of Education, Government of India.

- **Objectives:**
  - Equip students with in-depth knowledge of defence and security studies.
  - Prepare individuals capable of addressing contemporary challenges in national and international security.

- **Focus Areas:**
  - Geopolitical analysis.
  - Military strategies and tactics.
  - National security policies.

---

3. Department of Vocational Studies and Skill Development:

- **Initiatives:**
  - Formulate a framework for integrating vocational education with formal education in line with NEP 2020.
  - Offer courses on soft skills aligned with the National Skills Qualifications Framework (NSQF).
  - Design a credit structure to ensure every student takes at least one vocational course before graduation.
- **Skill Training:**
  - Engagement of industry professionals to provide skill training in various vocations.

---

4. Department of Psychology:

- **Rationale:**
  - Acknowledgment of the significance of psychology in understanding human behavior, cognition, and mental health.
  - Recognizing the growing demand for qualified psychologists in various sectors.
- **Objectives:**
  - Provide a comprehensive understanding of psychological principles.
  - Facilitate research and practical applications in the field of psychology.
- **Key Areas of Study:**
  - Clinical psychology.
  - Industrial-organizational psychology.
  - Cognitive and behavioral psychology.

---

5. Department of Petroleum Technology:

- **Rationale:**
  - Recognition of the importance of petroleum technology in the energy sector.

- o Addressing the demand for professionals with expertise in petroleum-related industries.
- **Objectives:**
  - o Imparting knowledge in exploration, extraction, and processing of petroleum.
  - o Preparing students for careers in the petroleum industry.
- **Key Areas of Study:**
  - o Exploration and drilling techniques.
  - o Refining processes and technologies.
  - o Environmental considerations in petroleum operations.

For a plan growth of the University

Strategic Plan:

For a planned growth of the University, it prepared XII plan proposal as per MoE/ UGC format (Annexure – I).

XII Plan Proposals Submitted to UGC (Dept/Building):

As the need changes with times Tezpur University prepares perspective plan in line with the vision document and implements the same subject to approval of the Ministry of Education. (Annexure-II)
Perspective Plan 2017 to 2022

Proposal for New Infrastructure with HEFA Funding as approved by Planning Board & BOM (Annexure -III)

As per the Vision Document and Perspective Plan, proposals for infrastructure development- both Building and equipments, have been prepared and approved by Planning Board and Board of Management as given in Annexure III.

<div align="right">
Sd/-
Registrar
Tezpur University
</div>

PERSPECTIVE PLAN 2012-2017

(In line with XII Plan proposal approved by BoM vide resolution no. B65/2012/2/2.1 dated 16.03.2012

INTRODUCTION

(This document is prepared to guide the XII plan proposal of the Tezpur University which is expected to be submitted to the UGC some time in 2011-2012. Though attempt has been made to take care for future growth of the University as per the objects of the University as detailed in the First Schedule of the Act, changing scenario in societal need has been kept in mind during our discussions.)

Tezpur University was established in January 1994 by an Act of the Parliament (Act No. 45 of 1993) as a unitary type, residential University. The University is located at Napaam, about 15 km east of Tezpur town on the northern bank of the river Brahmaputra. The town of Tezpur, famous for its ancient history and rich cultural heritage, is linked by road, rail and limited flight service to the rest of the state and the country. The 262-acre lush green campus of Tezpur University offers an excellent ambience for teaching and research.

At present, the University offers 38 teaching and research programmes through its 17 academic departments under 4 schools of studies. In addition, there are several centres that are engaged in various academic activities and extension and training programmes. The University has been diligently working on expanding select branches of knowledge in order to generate suitable inputs critical for the utilization and engagement of the region's vast and unique resources. Tezpur University is engaged in the process of capacity building, both in terms of human resource development and development of state-of-the art learning infrastructure from the very beginning. With this vision, the University is committed, on one hand, to keep abreast of the changes in the contemporary world, and to nurture the cultural and traditional diversity of the region on the other.

As per the provision of Tezpur University Act 1993, the University is fully residential. With this purpose, buildings are so that designed buildings that add to the natural beauty and the aesthetics of the landscaped environs of the campus. Committed to

providing all its students with a fulfilling learning experience, the University also strives to ensure a comfortable stay for them. Students are accommodated in eight appropriately-equipped hostels while a good number of residential quarters have been built for accommodating faculty members and support staff. Other basic amenities like water treatment system, guesthouse, canteen, gymnasium, indoor and outdoor sports facilities and campus security are also available to cater to the various needs of the University community.

The objectives of the University

I To disseminate and advance knowledge by providing instructional and research facilities in such branches as in:

    (i)   existing and emerging areas of Science, Technology, Humanities and Social Sciences

    (ii)   employment oriented and inter-disciplinary courses

    (iii)   areas of study which are of special and direct relevance to the region and meet the local and regional aspirations for development.

    (iv)   courses that promote national integration and studies of cultural heritage of the region and in particular, the diverse ethnic, linguistic and community cultures of the State of Assam.

II to utilize distance education techniques and modern communication technologies like ICT to provide access to higher education for large segments of the population, and in particular, the disadvantaged groups such as those living in remote and rural areas.

III to provide an innovative system of university level education, flexible in regard to methods and pace of learning, combination of courses, eligibility for enrolment, age of entry, conduct examination and operation of the programmes with a view to promote learning and encourage excellence in new fields of knowledge.

IV to reach out for improvements of the social economic conditions and welfare of the people of that state, their intellectual, academic and cultural development through teaching, research and innovations.

Review of progress so far:

Tezpur University has made notable progress in academic, administrative and other developmental activities. The strengths, facilities, perceived limitations and threats as well as opportunity provided by the University are listed below:

Strengths

- Advanced academic programmes in the Sciences, Engineering, Management, and in Humanities and Social Sciences subjects.

- Fully residential and fairly well-equipped campus for all the students and the majority of teachers facilitating close interactions among students, teachers and staff.

- Highly qualified and dedicated faculty members.

- Strong infrastructural support for high use of Internet and Communication Technology (ICT) in the regular teaching-learning, research and general administration of the University

- Enrollment of students from all over the country through transparent common entrance examinations and encouraging proportion of girl students and students from the reserved category of SC ST and OBC. (see A 2)

- Continuous Evaluation System in a transparent mode.

- Regular updating of curriculum.

- Implementation of inter-disciplinary credit transfer to provide wide and flexible subject choice to students.

- Strict adherence to the Academic Calendar with provisions for time bound announcement of results.

- Students′ placement facility through a fully operational Training and Placement Cell.

- Scholarships and Free-ships to meritorious and deserving students.

- Active Equal Opportunity Cell and SC ST Cell to cater to the specific needs of students and groups from disadvantageous social backgrounds.

- Funding from various sources for different sponsored projects.

- Efforts in extending outreach activities to various sectors.

Facilities available

- Well-equipped laboratories.

- State of the art Computer Centre.

- Campus networking with internet connectivity.

- Automated library services.

- Hostel accommodation for all students.

- Residential accommodation for faculty and staff members.

- Healthcare facilities and Medical Insurance facility to cover all students at nominal premium .

- Games, sports and gymnasium facilities.

- Fully equipped auditorium.

- Dedicated power supply.

- Centrally Water Treatment Plants.

- Canteens, Post Office, Bank branches (including evening branch) and ATM facility.

- Regular chartered buses for easy commutation.

Academic developments

The University has made major changes in the existing academic set-up in order to meet the changing pattern of expectations in contemporary higher education. It has introduced several new centres and programmes under the different schools in the last five years. Amongst the new programmes, the commencement of the B. Tech. and Integrated Master′s Programmes has led to the inclusion of undergraduate students in the University, a somewhat recent phenomenon witnessed in quite a few institutes of higher learning. The University has already started programmes like B. A. B. Ed. and B. Sc. B Ed. to meet the requirement of trained teachers for secondary and higher secondary level schools. A Department of Civil Engineering has also been started in the School of Engineering during the last plan period.

In an extremely significant achievement for the University in the XI Plan, 8 of its academic Departments have been sanctioned special assistance through UGC-SAP. In addition, a DBT NODAL Centre for promoting and consolidating medical research in the North East has been set up. In keeping with the mandate of the University as enshrined in the University Act and in order to meet the ever expanding demand for higher education from different quarters, a Centre for Open and Distance Learning has been set up, in a limited way, in the same plan period.

Tezpur University has been able to generate funds worth almost 64000 lakhs as external research grants from UGC and other agencies during XI plan. The University also promotes industry- academy alliances and various prestigious industry-sponsored projects are in progress in the University. It is pertinent to mention here that a Centre for Petroleum Biotechnology (CPBT) funded by ONGC has also been set up in the same period. The University has obtained 2 patents during this period and 21 more have been applied for. In terms of faculty and student achievements in the last five years, several faculty members of the University have received prestigious national and international fellowships for various academic purposes including post-doctoral work, professional meetings of international bodies, visiting fellowships, *etc*. 61 books and book chapters and 1384 research papers (344 national and 1040 international) authored by our faculty members have been published during the XI Plan (table 4.1). It is to the credit of the University that while 2 patents have already been obtained during the XI Plan, 21 more have been applied for. A good number of alumni of the University are pursuing doctoral and postdoctoral research in premier institutes in the country and

abroad. The research students of the University are visiting advanced laboratories abroad under "Sandwich" programmes and participating in national level summer and winter internships. The University also runs similar internships for students from various parts of the country. One student has also been conferred Young Scientist award by the Indian Science Congress Association. Amongst other academic activities aimed at promoting the rich cultural legacy of Assam and as a tribute to the great reformer Sri Sankardeva, Tezpur University has instituted the Sankardeva Endowment Lecture since 2009 and 2 lectures have been delivered till now by eminent scholars from different parts of the country.

Significantly, Tezpur University has become a preferred destination for reputed Institutes and numerous national and international conclaves. In a landmark development for the state of Assam, the fourth centre of the Indian Statistical Institute has started functioning from the Tezpur University campus. Several meetings of national agencies namely, UGC, MHRD, DST, DIT and CSIR were conducted during the last few years. The Annual General Body Meeting of the Indian National Science Academy (INSA), New Delhi, was organized on Tezpur University campus in December 2011.

Infrastructure development and enrichment of community life

The University has taken up significant steps to improve its academic and campus life. Towards this end, several new constructions have either been undertaken or completed during the last five year plan. Completed constructions include 11 academic buildings, several units of various types of 3- storied residential buildings, 2 Warden's quarters, Master Canteen and a Cafeteria, a Council Hall, a Sophisticated Instrumentation Centre, Health Centre, Chandraprabha Saikiani Centre for Women Studies, Guest House to which a newer wing was added later, a boundary wall around the newly acquired plot of land measuring 18 acres. In addition to these, construction of 3 Men's Hostels and 3 Women's Hostels with combined capacities of 1260 and 550 respectively is in progress. A Scholars' Hostel of 36 units was also completed during the same period.

Infrastructure support in areas such as extension of water supply, electrification, and

installation of streetlights has been initiated. Other notable developmental activities include steps to improve the Central Library, Laboratories, Internet Connectivity, teaching aids and vital campus amenities.

To ensure uninterrupted power supply, the University provides power back-up (DG) to the whole campus. Further, to facilitate round-the-clock use of sporting facilities flood-lights have been installed in the sporting arena. It is significant that the University has been chosen to host various regional and national sports and cultural events. The University successfully hosted the East Zone Inter University Youth Festival (UNIFEST) in 2011.

The University is committed to provide quality school education at affordable cost to the children of the University employees and to those in the neighbourhood. Takshashila, the already existing school of the university has been converted into a Kendriya Vidyalaya in 2011, while children upto the kindergarten level are taught at the previous school *i.e.* Takshashila. As a conscious step towards giving shopping and recreation facilities to the University community, a market complex has been developed which includes a co-operative store managed by the employees. There are three nationalized banks namely, the State Bank of India, The United Bank of India and the Punjab National Bank (evening branch) which are operating through their branches on the campus. There are three ATMs on the campus.

These academic and infrastructural developments have, on one hand, created a future roadmap for the University for the coming years and, on the other hand, placed the University in the national academic map. Now the University looks forward to excel in every chosen sphere with these significant developments.

II. DEVELOPMENT PLANS FOR THE PERIOD 2012 to 2017

The perspective plan of the University have been formulated taking into account the thrust areas keeping in mind the aspirations and requirements of the region.

Thrust Areas and Priorities

The overall thrust will be the expansion of the University by building up on the existing human and physical resources for their consolidation and better utilization. The University proposes to meet the prime objective of guaranteeing greater access by increasing the intake capacity of the existing programmes and setting up new academic programmes. This is to be realized by increasing the students' strength from the current 2391 to approximately 5000 by 2017 with an estimated growth of 500 students per year in various academic programmes of the University. Given that the proposed expansion has to be in synchronized with the objective of quality of education, the overall increase in the students' number has to be balanced by a proportionate increase in the number of qualified teaching staff. The student-teacher ratio is to be maintained at its optimal level of 15: 1. To consolidate and strengthen the existing departments, upgradation of their infrastructure and initiation of new programmes and specializations are proposed prioritized on follows.

a. New Departments/Centres

The focus areas in the next five years would also be expansion in new and emerging areas of knowledge which have a strong relevance to the region. The University proposes to start new departments, and centres in diverse areas. Taking account of the dearth of quality institutions of higher education in the fields of **Agriculture, Architecture, Pharmaceutical** and **Chemical Engineering** in this region, the School of Engineering is proposing to start new departments in these subjects. Further, an advanced research unit of Mechatronics and Robotics is proposed under the Department of Mechanical Engineering.

The School of Sciences proposes to start two new departments and two new centres. To focus on mechanistic studies of diseases endemic to the North East region and possible approach to therapeutics, a department of **Biomedical Sciences** is proposed. A department of **Earth and Atmospheric Sciences** is also proposed in view of its significance to the region. To give holistic approach to green and sustainable chemistry with focus on pollution reduction, a Centre for **Green Science and Technology** is proposed. A Centre for **Nano Science & Technology** is proposed in line with the

ongoing research and teaching activity in the University.

The School of Humanities and Social Sciences is to be significantly expanded by adding the new departments of **Economics, Social Work** and **Linguistics and Language Technology**. These new Departments in the school will offer Masters' and Ph.D. degree in the respective subjects. To augment its knowledge on the Northeast, especially its languages and traditional knowledge systems, the Centre for **Assamese Studies** has been proposed to initiate substantial research in the areas of language, literature and culture in their varied dimensions. Core focus areas like comparative research, translation from and into Assamese and linguistic study of Assamese and its neighbouring languages have been identified as initial thrust areas for research. Further to protect and promote the rich cultural legacy and art forms of the North East, the University is proposing a Centre for **Performing Arts**. A Centre for **Asian Studies** is proposed which will specially focus on the states of the Northeast India and its social, economic and cultural linkages in the neighboring countries. The Centre will be initially a part of the Department of Sociology.

From the School of Management Sciences, a Department of **Hospitality Management** is proposed with new courses leading to Bachelor's, Masters', and integrated Masters' degree in the much valued area of hospitality and tourism. Given the tremendous potential of the hospitality sector in the North East, this new department is expected to add significantly to Tezpur University's academic expansion.

The University has also taken steps to extend quality education through the proposed Centre for **Open and Distance Learning**. The innovative courses being offered by this Centre are expected to cater to the employment needs as well as qualification enhancement of the youth of the region. People with diverse needs, *viz.* those who are from remote areas, employed personnel, and people who cannot pursue formal education stand to benefit from this Centre. In addition, programmes under the Centre would contribute to internal resource mobilization as recommended by the UGC.

b. **Infrastructure development**

In the coming years, Tezpur University is bound to expand in terms of its academic departments and human resources. The University will, therefore, aim at creating and augmenting infrastructures such as academic departments and residential buildings, furnishing, electricity, water and maintenance. Construction of new buildings for proposed departments and centers and expansion of some existing academic buildings will be undertaken based on priority. In addition, six new hostels are proposed which will house approximately 1500 boys and 1100 girl students. In order to accommodate employees of different categories, the University also proposes to construct 19 new blocks of three-storied buildings with 234 residential units for faculty members and technical staff. Further, a centralized Sewerage and Storm Water Drainage System is proposed for a sustainable solution to the needs of an expanding University community (details in sections 2.1 and 2.2).

2. Maintenance of Quality and Excellence

While keeping the expansion of University in mind, there is also the corresponding requirement to maintain standards of quality and excellence in the delivery of higher education. The University has to make provision for sufficient investment in creation of academic support system and in making additions proportionate to the projected growth. Innovative teaching and learning system is central to maintenance of quality of academic life in a University. Though Tezpur University has striven to create state-of-the art infrastructure, future expansion would require addition and upgradation of the same. Towards this end, the University is proposing a budget of 135 crores for procuring and maintaining its teaching and research related equipments; 35 crores for expansion and upgradation of library facilities; and 27 crores for expansion and better utilization of ICT facilities. These will have cumulative effect in enriching the quality of academic life in the University.

With the aim of development of its faculties as its mandate to maintain quality and excellence, the University proposes to conduct conferences/seminars/workshops/symposia and provide publication grant to the faculty members. There will also be provision for financial assistance to meet the travel expenses of faculty members at least twice a year for national level conference/seminars/workshops *etc*. and once in three years for international conferences/seminars. In order to maintain standards of excellence, provisions for internal and external checks have been incorporated in the University system. The

University has initiated several measures to evolve a continuous feedback system from within the university as well as from external agencies. The University has been compulsorily following the Student Feedback mechanism as a measure of internal check on teaching, learning and evaluation system. The Internal Academic Audit Committee and the Internal Quality Assurance Cell of the University will also be upgraded in the coming years to put in place a more efficient system of quality check and maintenance.

3. Equity and Social Inclusion

The University is committed to meet its social commitment of ensuring equity and inclusion in all facets of its academic and administrative life. Creation of good infrastructure, especially the hostel facilities for students, is essential for attracting and retaining students from weaker sections and especially female students from remote areas. The University strictly follows and implements the policy of reservation for all the reserved categories of students, faculty and staff members in accordance with the policy of the Government of India. The University's vision of equity is reflected in its infrastructural development plans. While creating any physical facility, the University would keep in mind not only the needs of the disadvantaged sections of the society, particularly, differently-abled group, but also the norms of the 'green buildings' concept.

During the XII Plan period, the University would expand its inclusive development activities engaging the existing Equal Opportunity Cell and SC/ST Cell. For the purpose, new Centres such as Centre for Inclusive Development and Centre for Women's Studies will be established to take care of the weaker sections of the society and woman related issues respectively. Through these Centres, the outreach programmes of the University will be taken further which will include programmes on capacity building, gender issues, human rights, sensitization, rehabilitation, etc. A Day Care Centre will also be set up for convenience of the female employees of the University.

A 3 : Teaching staff and students enrolment for the year 2011-12 in University Department

1. Teaching Staff as on 31st March, 2012

S.No	Designation	Sanctioned Strength	Existing Strength	Out of existing strength, number of teachers belonging to			
				SC	ST	OBC/ BC	PWD
1	2	3	4	5	6	7	8
1	Professor	48	38	1	0	-	0
2	Associate Professor	67	49	5	0	-	1
3	Assistant Professor	125	107	14	7	24	2
4	Part- Time/ Adhoc/Temp. / Contract Teachers	NA	-	-	-	-	-
Total (Teaching Staff)		240	194	20	7	24	3

2. Total Students Enrolment in University Departments during the academic Year 2011-12 (as on 30th Sept., 2011)

Level	Students Enrolment as on 30th September,2011							
	Total Students Enrolment		Out of total students belonging					
			SC		ST		OBC/BC	
	Total	Women	Total	Women	Total	Women	Total	Women
Graduate	639	91	99	15	46	10	162	14
Post-Graduate	1314	648	161	68	96	47	329	160
M.Phil	0	0	0	0	0	0	0	0
Ph.D.	364	172	34	11	24	14	110	52
Diploma	18	11	0	0	1	0	4	4
Certificate	15	0	0	0	0	0	0	0
Total	2350	922	294	94	167	71	605	230

4. **Academic achievements during last five years:**

4.1   Books/Publications:

Year	Books/chapters published	Papers published in Journals		No. & names of Prestigious Awards received by the faculty
		National	International	
2007-08	21	65	78	1-Young Scientist Research Award, DAE
2008-09	11	81	116	--
2009-10	10	83	395	1-Max Planck fellowship (2009-2012) (Dr. P. Deb)
2010-11	11	47	206	Chemical Research Society of India (CRSI) 'Bronze Medal' for the year 2010 (Prof. N. S. Islam)
2011-12	8	68	245	--

4.2 National /International Conferences/Seminars organized by the University during last five years:

Year	National	International
2007-08	14	2
2008-09	12	--
2009-10	16	1
2010-11	16	3
2011-12	25	1

4.3 Research projects awarded by the UGC and other funding agencies during last five years:

Year	No. of Projects awarded by the UGC	No. of Projects awarded by other agencies	Funds approved (in lakhs)
2007-08	4	13	231.88
2008-09	1	26	439.56
2009-10	6	18	4912.41
2010-11	7	23	898.99
2011-12	8	22	1085.1

4.4   Patents awarded during last five years:

Patent Obtained   : 2

Patent Filed   : 21

5.1 **New Department(s)/Centers (s) started during last five years:**

Sl.No.	Name of the Department/Centre	UGC aided/other organization aided / self- financing
1.	Department of Hindi	UGC aided
2.	Department of Civil Engineering	UGC aided
3	Chandra Prabha Saikiani Centre for Women's Studies.	UGC aided
4.	Centre for Assamese Studies	Tezpur University Corpus Fund
5.	ONGC Centre for Petroleum Biotechnology	ONGC Limited
6.	IPR Cell and IPR Chair	MHRD
7.	Equal Opportunity and Career Counseling	UGC aided

5.2 New programmes started during last five years:

Sl.No.	Name of the programme	UGC aided/other organization aided / self-financing
1.	Integrated M. Sc. in Mathematics	UGC aided
2.	Integrated M. Sc. in Bio Science and Bioinformatics	UGC aided
3.	Integrated M. Sc. in Physics	UGC aided
4.	Integrated M. Sc. in Chemistry	UGC aided
5.	Integrated B. Sc. B. Ed (Physics Major)	UGC aided
6.	Integrated B.Sc.B.Ed (Mathematics Major)	UGC aided
7.	Integrated B.Sc.B.Ed (Chemistry Major)	UGC aided
8.	Integrated MA in English	UGC aided
9.	Integrated B.A.B.Ed. (English Major)	UGC aided
10.	B. Tech in Civil Engineering	UGC aided
11.	B. Tech in Food Engineering and Technology	UGC aided
12.	PG Diploma in Mobile and Multi Media Communication.	UGC aided
13.	PG Diploma in Translation	UGC aided

	(Hindi-English)	
14.	Integrated M. Tech. in Food Processing Technology	UGC aided
15.	M. Tech. in Polymer Science and Technology	UGC aided

Plan for next five years:

Major considerations:

i) Objective of the University as defined in the act.

ii) Access and Expansion to enhance the GER

iii) Equity and Inclusion for national growth.

iv) Quality and Excellence

To realize the above consideration, basic requirements will be in

i) Implementation of the vision document through a perspective plan with time line.

ii) Making the University Administration more effective

iii) Providing for Faculty Improvement Programmes

iv) Enhancing Facilities for Students

v) Augmenting research facilities

vi) Harnessing local resources for national development

vii) Breaking the barrier of the University to serve the people.

2.1 Buildings requirement:

Name of the Department		Name of the Building /approx area	Remarks (If any)
FOOD ENGINEERING AND TECHNOLOGY	a)	Extension of existing buildings (Area Req: 390 Sq M)	Boiler house/shed and Mini Rice Mill Shed
MECHANICAL ENGINEERING	a)	Extension of existing buildings (Area Req: 1344 Sq M)	To Include 1.Centre for Mechatronics and Robotics 2.Workshop
ENERGY	a)	New buildings proposed (Area Req:4223.7 Sq M)	A new building is required for the Department of Energy in the School of Engineering
	a)	New buildings proposed Animal House (Area	For experimentation and breeding of experimental animals

		Req:2000.9 Sq M)	
MOLECULAR BIOLOGY AND BIOTECHNOLOGY	b)	Extension of existing buildings (Area Req:1500 Sq M)	Independent research laboratories for faculties, Bioinformatics facility, teaching and research laboratories, faculty offices, store and basic facilities like washing, autoclaving

MATHEMATICAL SCIENCES/ PHYSICS	a)	New buildings proposed (Area Req:4223.7 Sq M)	New Building proposed
SCHOOL OF HUMANITIES AND SOCIAL SCIENCES	a)	New buildings required	A New cluster of 8 buildings is proposed for the School of HSS. It will house the Departments of Cultural Studies, English and Foreign Languages, Hindi, Sociology and proposed departments of Linguistics and Language Technology, Economics, Social work and Centre for Assamese Studies.

HOSPITALITY MANAGEMENT	a)	**New buildings proposed** **(Area Req: 1344 Sq M)**	**New Department proposed**
ACADEMIC BUILDING I	a)	**Buildings proposed for renovation**	**It will accommodate Centre for Women's Studies, Centre for Open and Distance Learning, Centre for** **Disaster Management**
ACADEMIC BUILDING II	a)	**Buildings proposed for renovation**	**It will accommodate Computer Centre, Office of NCC, NSS etc.**
EXTENSION OF ENERGY BUILDING FOR MATHEMATICAL SCIENCES/ **PHYSICS**	a)	**Extension of existing buildings** **(Area Req: 1550 Sq M)**	**Presently occupied by Energy Department and will be occupied by either Physics or Mathematical Sciences Department.**
KENDRIYA VIDYALAYA (SCHOOL)	a)	**New buildings proposed** **(Area Req: 4288 sq M)**	**Construction of RCC 3-Storied School Building**

KENDRIYA VIDYALAYA (RESIDENTIAL BUILDING)	a)	**New buildings proposed (Area Req: 1709.13 sq M)**	**Construction of RCC 3 storied building for Kendriya Vidyalaya teachers at Tezpur University.**
RESIDENTIAL QUARTER FOR	a)	**New buildings proposed (Details of the buildings may be provided)**	**Construction of RCC 3-Storied Type-B Residential Building** **(I block- 18 Units)** **1 block is required**

TEACHERS AND STAFF			**Construction of RCC 3-Storied Type-C Residential Building** **(I block- 18 Units)** **1 block is required**
HOSTELS	a)	**New buildings proposed (Details of the buildings may be provided)**	**Construction of ONE hostel: 482 capacity: Single bedded Room RCC 3-Storied Boys' Hostel Building No-** **6 at Tezpur University.** **Construction of ONE hostel: 300 capacity: Single bedded Room RCC 3-Storied Girls' Hostel Building No- 6 at**

			Tezpur University.
SECURITY BARRACK	a)	**New buildings proposed (Area Req: 1016.32Sq M)**	**Essential for accommodating security personnel of the University**
BRAHMAPUT RA MEN'S HOSTEL	a)	**Buildings proposed for renovation**	**Hostel was constructed in the year 1998-99. Electrical wiring system, ceiling fans, switches, luminaries** **etc. need replacement.**
BORDOICHILA WOMEN'S HOSTEL	a)	**Buildings proposed for renovation**	**Hostel was constructed in the year 1998-99. Electrical wiring system, ceiling fans, switches, luminaries etc need replacement.**

2.2 Campus Development requirements:

S.No.	Activity Proposed (Details may be provided)
1.	**Sewerage and Storm Water Drainage System**
2.	**Construction of Swimming Pool**

5.3 New teaching departments/programmes to be established:

SCHOOL OF ENGINEERING				
Sl. No.	Department	Name of the programme(s) proposed	Suggested Intake	Remarks
1	CIVIL ENGINEERING	M. Tech. in Structural Engineering	10	There is a great demand for PG programme (Structural and Geotechnical-Environmental – Hydro-engineering) from the students of the region. This Department has started B. Tech. in Civil Engineering in 2009 and Ph. D. from 2011, but at present has no PG programme.
		M. Tech. in Geo-Environmental Engineering	10	
2	COMPUTER SCIENCE AND ENGINEERING	M. Tech. in Computer Science and Engineering	20	To give more emphasis on the core subjects of Computer Science.

3	ELECTRONICS AND COMMUNICATION ENGINEERING	M. Tech. in Signal Processing	15	To give more emphasis on recent development of application of signal processing in communications. To train man power in PG level for the above field
		M. Tech. in Communication Engineering	15	
		M. Tech. in Instrumentation	10	
4	ENERGY	B. Tech. in Energy Studies	20	To cater to the additional need of trained professionals for the growth in the Energy sector as per the projection of NAPCC as well as petroleum industries.
5	FOOD ENGINEERING AND TECHNOLOGY	PG Diploma in Food Technology	10	Due to huge local demand in North East based food industries.
		M. Tech. in Fluid and Thermal Engineering	10	Since the Department had started B. Tech. in Mechanical Engineering from 2006

6	MECHANICAL ENGINEERING	M. Tech. in Mechanical Design	10	and Ph.D. from 2011, there is a great demand for M. Tech. programme from the students of the region. It is expected that the introduction of
		M. Tech. Applied Mechanics	10	M. Tech. programme will enhance the research involvement and output to a great extent for
				industrial and social benefit.
	MECHATRONICS AND ROBOTICS	M. Tech./Ph. D.	10/5	Proposed Centre under the Department of Mechanical Engineering
				(It is an interdisciplinary effort)

| 7 | ARCHITECTURAL ENGINEERING | B. Arch./M. Arch./ Ph. D. | 10/5 | New Department proposed |
| | | | | For promoting technically sound architectural culture in the region, architectural engineering needs to be pursued in all its technicalities. |

8	CHEMICAL ENGINEERING	M. Tech. in Petroleum Technology /Ph. D.	10/5	**New Department proposed** **Oil Industry in NE India requires a good number of people with technical expertise to handle different aspects of oil production. However, only one institute in NE India is offering PG courses in the above subject. So to cater to the need of growing demands of qualified man-power regionally and nationally, this Department is** **being proposed.**
9	PHARMACEUT ICAL ENGINEERING	M. Tech. /Ph. D.	10/5	**New Department proposed** **Drug development and implementation is a thriving area which promises solutions to many endemic diseases. Teaching and research in this area would be beneficial for the**

				overall health
				scenario of the region
10	AGRICULTUR AL ENGINEERING	M. Tech. /Ph. D.	10/5	**New Department proposed** **North East is an agricultural based economy and to lift the current agricultural practices those supported by modern day science and technology, grinding in the field of Agricultural engineering is** **a must.**
SCHOOL OF SCIENCES				
1	MATHEMATIC AL SCIENCES	M. Sc. In Statistics	15	To cater to the demand for trained manpower in statistics with high level of computing skills

2	MOLECULAR BIOLOGY AND BIOTECHNOLOGY	M. Sc. In Applied Microbiology	10	To meet the demand for trained manpower in food industry, health and pharmaceutical sector.
		M. Sc. In Immunology	10	
		M. Sc. In Conservation Biology	10	Aim of this course is to generate specialized manpower to exploit biodiversity of the North-East region and learn judicious exploitation of conservation
3	PHYSICS	M. Sc./M. Tech. in Applied Electromagnetism	10	The course broadly covers material applications (including nano materials), simulation, microwave applications, atmospheric sciences, remote sensing, plasma, sensors, fibre optics and lasers. The course will be developed and tailor made by taking inputs from ISRO, DRDO, BEL and other R&D organizations to develop a trained human resources to be recruited directly

		Specialization in Plasma Physics for M. Sc. Students	8	The specialization was already approved, but could not be proposed due to shortage of faculty
4	EARTH AND ATMOSPHE RIC SCIENCE	M. Sc./Ph. D.	10/5	New Department proposed Earth and Atmospheric Sciences encapsulate both the universal and the regional variations. It is also emerged as vital discipline for regional planning. The proposed department shall capture these vital essences
5	BIOMEDICA L SCIENCES	M. Sc./Ph. D.	10/5	New Department proposed (It is an interdisciplinary effort) Coordinated activities in the field of biology and medical sciences is a much sort after area as it provide vital window to many of the endemic diseases of the region. This Department is proposed to harvest the benefits of this

				coordination

6	CENTRE FOR NANO SCIENCE AND TECHNOLOGY	M. Sc./M. Tech./Ph. D.	10/5	New Centres proposed (It is an interdisciplinary effort) A pool of expertise has developed amongst the faculty of Tezpur University cutting across disciplines in these emerging fields. These two Centres are being proposed as a means of achieving coordinated and focused activities in the fields
7	CENTRE FOR GREEN SCIENCE AND TECHNOLOGY	M. Sc./M. Tech./Ph. D.	10/5	
SCHOOL OF HUMANITIES AND SOCIAL SCIENCES				
		BA in Chinese	15	High demand for course in Chinese language in this region

1	ENGLISH AND FOREIGN LANGUAGES			especially from defense personnel.
		Diploma in English language teaching	10	High demand for trained instructors for English language teaching
		Diploma in French	30	To train translation personnel to work with literary and non-literary texts, especially from Assamese to English and other foreign language and vice versa. The program, in the beginning, will include foreign language translation including German Spanish and Thai
		Diploma in Spanish	30	
		Diploma in German	30	
		Diploma in Thai	15	
		PG Diploma in Translation	30	
2	HINDI	M. A. in Hindi	25	To initiate regular Master's courses in addition to existing Certificate and Diploma programme

3	LINGUISTICS AND LANGUAGE TECHNOLOGY	M. A. /Ph. D.	20/5	New Department proposed The program will meet the demand for teaching positions in this field in colleges and universities and help in building up a corpus of major and lesser known Indian languages.
4	ECONOMICS	M. A./M. Sc./Ph. D.	20/5	New Department proposed To create knowledge base and
				human resources with an understanding of contemporary economic issues. It will further strengthen the existing Social Science teaching and research programmes of the University

5	SOCIAL WORK	M. A./Ph. D.	10/5	New Department proposed To create trained professionals to meet the demands of the growing development sector of this region
SCHOOL OF MANAGEMENT SCIENCES				
		Integrated Ph. D.	10	To cater to the need of dearth of competent faculty in the area of management. Such candidates will be imparted training to become faculty and researcher in the area of management
		Master of Business Management (Technology)	30	Such courses are proposed to take advantage of the wide presence of technical departments as well as Department of

1	BUSINESS ADMINISTRATION	Master of Business Management (Media Management)	30	Mass Communication and Journalism in the University. The candidates will be trained in management aspects as well as technical aspects to serve specific industries. These course are aimed to be industry oriented and candidates are assumed to serve such needs in a more efficient way as they will be trained in both management and technical aspects of the related industry
2	HOSPITALITY MANAGEMENT	Three-year Bachelor's programme	20	New Department proposed The prospect of tourism and hospitality industry in the region is growing. There is need for trained manpower in such areas. The proposed department will try to train candidates to serve such needs of the hospitality
		Two-year Master's programme	20	
		Integrated Master's Programme	20	

				industry

CENTRES				
1	**DISASTER MANAGEMENT**	**PG Diploma in Disaster Management**	**30**	**The entire NE region of India, in** **particular Assam, is highly**
				vulnerable to different natural and manmade hazards but not a single University of this region is offering any regular PG course on Disaster Management to cater to the needs of trained personnel in government and other **organizations**
2	**WOMEN'S STUDIES CENTRE**	**Credit course on "Society, Development, Human Rights and Gender".**	**--**	**(Interdisciplinary effort)** **These short term courses will give an idea of gender in all its manifestations. Gender will also be understood in a way as conceptualized in historical**
		Diploma course "Gender and Development"	**10**	

3	CENTRE FOR ASSAMESE STUDIES (NEW CENTRE PROPOSED)			cultural and social contexts
		Ph. D.	5 (including the Bhupen Hazarika Fellow)	Ph. D. programmes will facilitate intensive research into various aspects of Assamese language. Literature and culture.
		Certificate Programme in Functional Assamese	20	The proposed programme would facilitate learning of Assamese and assimilating in the environment and culture of the region at large.
		PG Diploma in Translation Studies	20	Translation Studies is an emerging discipline especially given the thrust of Government of India on translation through the National Translation Mission and due to the high demand of translation in the IT sector. This course will help the budding translators to cater to their need of theoretical knowledge as well as translation practices.

		Inter-disciplinary Course on History of Assamese language/ literature		**course is expected to cover various dimensions of Assamese literature and linguistic evolution in a condensed and lucid way.**
			40	

		PG Diploma in Comparative Literature	20	Of late, the study of Comparative literature has received tremendous academic attention from researchers. It tries to trace the genesis and transformation of literary genres and texts across time and space. This course will train students working in any field to have critical thinking and awareness of different literature of India and the world while focusing on literature in North east India.

		Inter-disciplinary Course in Assamese and Other Indian Languages	30	North east India is seen as the living laboratory of languages by the linguist fraternity. There are various converging and diverging features which are found in Assamese language vis-à-vis other tribal languages of Northeast India. This course will develop into the various common linguistic features in entirety with special reference to some sociolinguistic features.
		PG Diploma on Studies in Vaishnavism in Assam	20	In keeping with the major objective of undertaking extensive research work on Vaishnavism in Assam in the proposed Centre for Sankaradeva Studies as well at the Centre for Assamese Studies, this PG course is expected to prepare students for research in this direction.

SANKARADEVA STUDIES (under CENTRE FOR ASSAMESE STUDIES)	Diploma Programme on Traditional Culture of Assam (Paintings, Crafts, Performance and Music)	15	The proposed program would facilitate learning Assamese traditional culture and help in dissemination and preservation of the same.
	Ph. D. in Text Critical Study	5	There are abundance of ancient manuscripts in Assamese, many of them are published in book form but a lot is to be done in case of preparation of a dependable text which can be done only by applying the theories of text critical study, hence to produce qualified man power there is necessity of a programme on Text Critical Study
	Ph. D. in Comparative Religious Thought	7	The programme has been envisaged for facilitating better understanding of religious thoughts from a comparative perspective.
	Ph.D. in Comparative Cultures	5	The North Eastern region in general and Assam in particular is a melting pot of cultures having distinct traditions at the levels of religion, social customs, dress, music,

				dance and crafts. The programme is aimed at creating a sense of mutual understanding of all the cultures of the region at the academic level and also to undertake training and research on these variegated traditions.
	COMPARATIVE RESEARCH AND INDIGENOUS STUDIES (Under CENTRE FOR ASSAMESE STUDIES)	PG Diploma in Indigenous Studies	10	Studies on various ethnic groups in a cross cultural comparative framework and to explore emerging interface between folklore and popular and mass culture
4	PERFORMING ARTS	PG Diploma in Satriya Dance	15	These programmes are aimed at creating an inspirational environment of performance academics as well as a pool of competent performers and artists in traditional dance and music which are under duress due to onslaughts from modern electronic media.

		Diploma in Ethnic Dances and Music	10	Assam has a rich heritage of dance and music traditions including the Sattriya and ethnic dances, music and several dramatic, semi-dramatic and visual art traditions.
5	OPEN AND DISTANCE LEARNING	PG Diploma in Marketing Management	--	--
		PG Diploma in Film Studies	--	--
		PG Diploma in English Language Teaching	--	--
		Diploma in Disaster Management	--	--
		PG Diploma in e- Governance and e-Security	--	--
		Diploma in Community Health	--	--
		PG Diploma in Food Technology	--	--
		PG Diploma in Electronics	--	--

		Certificate Programme in Communication Skills	**50**	**This aims at improving the skills required for employability of the students.**
		Certificate Programme in Skill Development for Unemployed Youth	**25**	**This will be a part of the University's extension service programme. The unemployed rural youths will benefit from this programme.**
6	**INCLUSIVE DEVELOPME NT**	**Will conduct Coaching for NET/SLET/GATE /CIVIL SERVICES and Pre- Examination Training**	**--**	**--**
		Will conduct Refresher/Orienta tion Course	**--**	**--**
7	**ENDANGERED LANGUAGES (Under Linguistics and Language Technology)**	**Ph. D.**	**3**	**The proposed centre is a centre of research activities**
8	**ASIAN STUDIES**	**Ph. D.**	**3**	**The proposed centre is a centre of**

	(Under Sociology)			research activities

9.	Centre for Skill Development	Certificate/Diploma/Adva nced Diploma/B.Voc./C ommun ity Courses	200	This will be a centre for offering skill development courses under community programmes/Vocatio nal Training etc. for creating skilled workforce from amongst the local youths.
10.	Centre for Innovation	To conduct training/mentorin g programmes.	10	To conduct Innovative activities with guidance mentoring. To encourage students and grass root innovations.

2.10 New Research Activities to be initiated:

Department	Sl. N o.	Activities		Justification
SCHOOL OF ENGINEERING				
CIVIL	1	Screening of ground vibration		Protecting sophisticated instrument from undue noise, reducing structural damage of foundations

ENGINEERING	2	Pseudo-dynamic testing of full scale structures		Better insight into earthquake protection of masonry and RCC structures
COMPUTER SCIENCE AND ENGINEERING	1	Machine Intelligence and Automation unit		To have infrastructure and human resource dedicated to carry out research on several topics of machine intelligence of high relevance in present times, and deliver intensive short term courses to professionals and executives. To boost research in thrust areas by sharing experience with researchers in other institutes engaged in similar work.
ELECTRONICS AND COMMUNICATION ENGINEERI	1	Fabrication of Integrated optics devices for Quantum computing		This is required for development of Quantum computer
	2	Fabrication and characterization of MEMS devices		This is required for development of High speed sensor/ Instruments

NG	3	Fabrication of RF Integrated circuits for communication circuits		This is required for development of RF devices for WiMAX applications
ENERGY	1	Decentralized power generation through solar-biomass hybrid		Development of suitable technology through solar-hybrid interface Need-based application for decentralized power for self-sufficiency
	2	Tea processing engineering for quality enhancement.		Emphasis will be given on quality enhancement with energy conservation and renewable energy intervention
	1	Processing set-up for Fruits and vegetables (with complete canning line).		The NE region is rich in fruits and vegetables production. To reduce primary losses a state-of-art pilot processing set-up is required to facilitate on hand training for the persons from this NE region. This plant may also be used for contact hiring for small entrepreneur.

FOOD ENGINEERING AND TECHNOLOGY	**2**	**Mini modern rice mill pilot plant**		**Rice production is highest in the NE region. A limited recourse is available for developing skill manpower for rice milling. This pilot plant will help in developing skilled manpower by providing on-hand training for rice milling.**
	3	**Sensory evaluation lab**		**Sensory evaluation of a formulated product is quite necessary to know about its qualitative acceptance.**
	1	**Study of injection system, fuel atomization and spray characteristic using bio-diesel**		**Thrust research and development activities in renewable bio-fuel for engine**
	2	**Condition monitoring of rotating machines**		**Rotating machines are integral part of today's power generating industries**
MECHANICAL	**3**	**Testing of mechanical properties of engineering materials**		**Material testing**

ENGINEERING	4	**Mass Transfer Laboratory (Inter-disciplinary)**		**The knowledge of transport phenomena i.e., how energy and mass can be transported through materials, can be applied to plants, mammalian systems, biological processing, bio-environmental systems etc. An inter-disciplinary approach may be followed. To begin with, the facilities will be used along with one proposed open credit course on "Transport Phenomena in Biological and Bioenvironmental Systems"**

SCHOOL OF SCIENCES				
CHEMICAL SCIENCE	1	**Drug design and its practical applications**		**New drugs will be designed for practical applications with emphasis on Anticancer and Antituberculosis.**
	1	**Carbon Sequestration by terrestrial ecosystem and carbon dynamics study at agro**		**Large terrestrial ecosystem and agro ecosystem will be used as sink of CO_2 - a potent green house gas**

ENVIRONM ENTAL SCIENCE		**ecosystem**		
	2	**Study on adaptation of biotypes to climate change**		**Identification of plants biotypes suitable for climate change situation will help the farming community.**
	3	**Flood and erosion research**		**Research required for flood mitigation and river banking works**
	4	**Urban microclimati c research**		**Fast urbanization and its impacts have to be understood and planned**
	5	**Environment al carcinogens (both in indoor and ambient environment)**		**The NE region is experiencing high incidence of cancer. Therefore, it is imperative to design and implement systematic research on the environmental carcinogens.**
MATHEMAT ICAL SCIENCES	**1**	**Studies in Biostatistics**		**Advanced research activities in Biostatistics**
	1	**Centre for Molecular Medicine**		**The research will focus on disease of regional importance to understand the pathogenesis and to contribute to diagnostics and therapeutics. Special emphasis will be given to**

MOLECULAR BIOLOGY AND BIOTECHNOLOGY				evolution of new strains and emerging infectious diseases.
	2	**Microbial Genomics and Evolution**		**Genome sequence of microbes to study the microbial biodiversity and evolution in NE region**
	3	**Mapping of artesunate resistance in Assam**		**Resistance to artesunate has been reported from Cambodia border as well as from Myanmar. Considering the proximity of these regions to Northeast India and that artesunate is the first line of treatment in this region in wake of widespread resistance to chloroquine, documentation of resistance to artesunate is imperative.**

	4	**Studying polymorphism in immune response genes in populations of North East and their association with the representative infectious and non- infectious**		**NE region of India are populated with various tribal groups of different genetic backgrounds. Their genetics remains poorly investigated.** **It is urgently needed to relate the polymorphism with the emerging disease considering the diverse population groups in NE**

		diseases		region
EARTH AND ATMOSPHERIC SCIENCE	1	Hydrogeochemical characterization of Fluoride and Arsenic rich ground water of North East India and ground water modeling		Fluoride and Arsenic are a common geogenic contaminant of drinking water of NE India. These elements are highly toxic to human health. The major objectives are: 1. To characterize the hydro-geochemistry of the study area. 2. To evaluate the extent of Fluoride and Arsenic concentration for different types of ground water and assess the main geochemical factors controlling Fluoride and Arsenic enrichment.
	2	Rain water chemistry		Understanding the atmospheric process with respect to the NE region of India. The quality of rain water in a time series can again help planners to prepare strategies of using rain water in the future

SCHOOL OF HUMANITIES AND SOCIAL SCIENCES				
SOCIOLOGY (Asian Studies Centre)	**1**	**Historical and contemporary** **dynamics of:** **a. National and International migration to North East India** **b. Migration within North East India** **c. Migration from North East India**		**The North east region being a continental crossroads for centuries, migration studies with a trans- regional relevance has special significance in the region. Need for research with interdisciplinary focus which has trans-regional relevance.**
	2	**Gendering governance:An assessment of local self government in North East India**		**Need for gender auditing of institutions of local self government in North East India**
	3	**Environment, development and displacement in North East India with trans-regional Perspective**		**Need for interdisciplinary research with a socio-ecological perspective.**

CULTURAL STUDIES	1	**Museum cum Archive of the Department of Cultural Studies**		**Collection, Preservation and Display:** of tangible heritage resources **Recording and Archiving:** of intangible traditional knowledge **Outreach Programmes:** for community sensitization and empowerment.
LINGUISTICS AND LANGUAGE TECHNOLOGY **(Including Centre for Endangered Languages)**	1	**Compiling dictionaries and writing grammar books of the endangered languages; preparing teaching materials for these languages; publishing these works and digital archiving.**		**The endangered languages could be preserved through these activities.**
EXISTING AND PROPOSED CENTRES				
		To conduct a study on improvement of students in certain		

INCLUSIVE DEVELOPM ENT **(Merging EO Cell, SCT Cell, Training and Placement Cell)**	**1**	crucial areas, such as, communicati on skills, interview facing techniques, public speaking skills, corporate communicati on and business writing skills, etc.		The results will be percolated to the students for their improvement in the concerned areas. Especial focused capsule programmes will the designed and conducted at intervals for the purpose (at least twice a year).
	2	To carry out research activities on the tribal languages and culture of the NE India.		The untapped aspects of the indigenous tribal languages and cultures of the North-east India will be brought to light for wider exposure and further research thereon.
	3	Extension of university-community interface		Social responsibility of the University towards the local community

CENTRE FOR PERFORMING ARTS	1	Interplay of Western and indigenous concepts in the evolution of contemporary Assamese music		Amongst the western music tradition, Rock, Blues, Metal and also evangelical music has had deep impact on the indigenous folk traditions and performative genres of North Eastern Region including Nagaland, Meghalaya, Mizoram and some tribes in Assam and Manipur. Western music has influenced the evolution of popular music forms in the region and merits serious research.
TOTAL				

2.11 New Extension Activities and Outreach Programmes to be initiated:

Activity	Justification
Going to various schools of Assam to give popular talks and presentations. Outreach activity will concentrate on subject areas of science and arts (such as Mathematics and English) and general concepts such as earth and environment, universe, health and hygiene, water and food.	(a) **One generator for power backup.** (b) **One Laptop, one projector, 2KV UPS, pointer, screen etc for projection.** (c) **Two video and one still camera for capturing event.**
To conduct discussions with interested communities on problems	

faced by them and suggest as far as possible remedial measures.	(d) **Provision for buying books, maps, globes etc. which will be distributed.**
To invite various groups to the University and let them know how we can help them.	(e) **Enough provision for consumables etc.**
To identify and set up medical camps.	
Total	

2.12 Development of ICT facilities:

Activity	Justification
(1) Video Conferencing –at least 03 facilities	It is felt that a multifunctional computing facility is highly necessary for the entire University at large. It is also a demand for technology-based teaching learning activities. This high-tech Central Computing Facility may be used for conducting basic programming Lab classes. A High Performance Computing lab for specialized High Performance based computing requirements of Science & Technology departments. Furthermore, it may also be used to hold events like – Online Campus Recruitment Exam, CAT, TOEFL Exam, Seminars/Workshops,

	Training programs, Video Conferencing based Lectures/Meetings etc. very smoothly.

PERSPECTIVE PLAN

2017-2022

Approved by BoM vide Resolution No. B.79/2016/2/1.5

Dated 24-06-2016

TEZPUR UNIVERSITY

ASSAM, INDIA

Preface

Tezpur University was established in January 1994 by an Act of the Parliament (Act No. 45 of 1993) as a unitary type, residential University, The University is located at Napaam, about 15 km east of Tezpur town on the northern bank of the river Brahmaputra. The town of Tezpur, famous for its ancient history and rich cultural heritage, is linked by road, rail and limited flight service to the rest of the state and the country. The 262-acre lush green campus of Tezpur University offers an excellent ambience for teaching and research.

At present, the University offers 70 teaching and research programmes though its 20 academic departments under 4 schools of studies. In addition, there are several centres that are engaged in various academic activities and extension and training programmes. The University has been diligently working on expanding select branches of knowledge in order to generate suitable inputs critical for the utilization and engagement of the region's vast and unique resources. Tezpur University is engaged in the process of capacity building, both in terms of human resource development and development of state-of-the art learning infrastructure from the very beginning. With this vision, the University is committed, on one hand, to keep abreast of the changes in the contemporary world, and to nurture the cultural and traditional diversity of the region on the other.

This Perspective Plan document offers a broad guideline towards the future course of action during the period 2017-2022 and beyond.

Contents

Tezpur University

Vision of the University	To develop human excellence and inculcate leadership through hard work and creativity.
Mission of the University	To render Tezpur University one of the most preferred destinations of students, faculty and scholars / and employees. To be in the top 50 Universities of the world.
Objectives of the University	(i) To disseminate and advance knowledge by providing instructional and research facilities in such branches as in: • Existing and emerging areas of Science, Technology, humanities and Social Sciences. • Employment oriented and inter-disciplinary courses. • Areas of study which are of special and direct relevance to the region and meet the local and regional aspirations for development. • Courses that promote national integration and studies of cultural heritage of the region and in particular, the diverse ethnic, linguistic and community cultures of the State of Assam. (ii) To utilize distance education techniques and modern communication technologies like ICT to provide access to higher education for large segments of the population, and in particular, the disadvantaged groups such as those living in remote and rural areas. (iii) To provide an innovative system of university level education, flexible in regard to methods and pace of learning, combination of courses, eligibility for enrolment, age of entry, conduct examination and operation of the programmes with a view to promote learning and encourage excellence in new fields of knowledge. (iv) To reach out for improvements of the socio-economic conditions and welfare of the people of that state, their intellectual, academic and cultural development through teaching, research and innovations.
Milestones achieved since inception	(i) The University has been awarded the Visitor's Award for **Best University**, 2016. Further, it has been **ranked 5th** among the Universities in an assessment of Higher Education Institutions in India conducted by the Ministry of Human Resource Development (MHRD), Government of India, through the National Institutional Ranking Framework (NIRF) in the year 2016. (ii) The University has also been able to receive International / National accolades in research. It is the lone university in the

North East India to have figured in the Google Scholar Citation 2000 World Ranking list (First Edition: Dec, 2015), besides having the institutional *h*-index of 44 (Dec, 2015).

(iii) The University has 05 numbers of Chairs, viz., MHRD IPR Chair, Lokapriya Gopinath Bordoloi Chair, Srimanta Sankardeva Chair, Mahatma Gandhi Chair, Ambedkar Chair.

(iv) 04 numbers of Patents have been granted to the University while another 25 have been filed.

(v) From the XI Plan onwards, the University has the distinct track record of almost cent percent utilization of funds as made available by UGC under different schemes.

(vi) The total number of ongoing faculty research projects stands at 142 (including 02 corporate sponsored projects) with a total outlay of Rs 4106.12 lakh. There are 08 research projects with a total outlay exceeding Rs.1 crore and another 16 projects are worth above Rs 50 lakh each.

(vii) Tezpur University has translated the entire work of Kalaguru Bishnuprasad Rabha into English.

(viii) The University has entered into various MoUs with 23 national and international institutions and industries in the field of research and academic activities.

New Schools[1] / Departments / Centres / to be considered for:

Sl. No.	Department	Name of the Programme(s) proposed
SCHOOL OF ENGINEERING		
1	Mechatronics and Robotics	M. Tech., Ph. D.
2	Architectural Engineering	B. Arch., M. Arch., Ph.D.
3	Chemical Engineering	M. Tech. in Petroleum Technology, Ph. D.
4	Pharmaceutical Engineering	M. Tech., Ph. D.
5	Agricultural Engineering	M. Tech., Ph. D.

---

[1] Some Schools are to be reorganized.

SCHOOL OF SCIENCES		
6	Earth and Atmospheric Science	M. Sc., Ph. D.
7	Biomedical Sciences	M. Sc., Ph. D.
SCHOOL OF HUMANITIES AND SOCIAL SCIENCES		
8	Economics	M.A. / M.Sc., Ph.D.
9	Assamese	M.A., Ph.D.
		Certificate Programme in Functional Assamese
		PG Diploma in Translation Studies
		PG Diploma in Comparative Literature
		PG Diploma on Studies in Vaishnavism in Assam
SCHOOL OF MANAGEMENT SCIENCES		
10	Hospitality Management	3 yr. Bachelor Programme
		2 yr Masters Programme
		Integrated Master's Programme
SCHOOL OF LAW / JURIDICAL STUDIES (New)		
11	Law	Integrated L.L.B., L.L.M., Ph.D.
SCHOOL OF EDUCATION (New)		
12	Physical Education	B.P.Ed, M.P.Ed., Ph.D.
CENTRES		
13	Centre for Nano Science and Technology	M. Sc. / M. Tech., Ph. D.
14	Centre for Green Science and Technology	M. Sc. / M. Tech., Ph. D.
15	Sankardeva Studies	Diploma in Traditional Culture of Assam (Paintings, Crafts, Performance and Music)
		Ph.D. in Text Critical Study
		Ph.D. in Comparative Religious Thought
		Ph.D. in Comparative Cultures

16	Comparative Research and Indigenous Studies	PG Diploma in Indigenous Studies
17	Performing Arts	PG Diploma in Sattriya Dance
		Diploma in Ethnic Dances and Music
18	Asian Studies (under Dept. of Sociology)	Ph. D.
19	Skill Development	Certificate in Financial Planning Advisors
		Certificate in Functional Office Skills
		Certificate in Repair, Installation and Maintenance of Electronic Appliances.
20	Centre for Natural Resources	Ph.D., R&D
		Diploma in Natural Resources Management.
OTHERS		
21	Community College	Advanced Diploma in Operation Theatre Technology
		Advanced Diploma in Medical Laboratory Technology
		Certificate in Soccer
		Certificate in Badminton
22	Human Resource Development Centre	Training like Orientation Programmes, Refresher Courses, Faculty Development Programmes, Professional Development Programmes etc.

School of Engineering
Department of Civil Engineering

Vision of the Department	Continuous movement towards perfection in teaching and learning, and realizing their outcomes through creation of the best human resources in all important aspects of civil engineering and the most appropriate technologies in the discipline.
Mission of the Department	• To stay in the forefront of knowledge in the disciplines of Civil Engineering. • To produce excellent human resources in civil engineering through high quality teaching, training and research programmes. • Tobeamajorcontributorforthetechnologicalandsocialdevelopmentofthe countryingeneralandtheNorth-easternregionofthecountryinparticular. • To be a significant contributor to the advancement of knowledge in the civil engineering and allied disciplines. • To promote application of green technology in different areas of Civil Engineering.

Objectives of the Department	• To produce civil engineers competent to work successfully in civil engineering and allied projects, capable of all types of engineering works including design, supervision of works, and project management.
	• To encourage inquisitiveness and innovation in the students and to motivate them for lifelong learning and further advanced studies or research in civil engineering and allied disciplines.
	• To instill confidence, professional responsibilities and ethical sense so that the the students can take significant and leading roles for development of enterprise and betterment of society.
	• Development of methods/ techniques which are easily acceptable and adaptable to communities at an affordable cost especially for the people living in rural and semi-urban areas of North Eastern Region of India in terms of
	    o safe drinking water, sanitation
	    o roads, soil stabilization
	    o landslide mitigation, river bank protection
	• Development/or improvement of overall construction materials and technology using non-conventional materials (e.g. wastes generated from the domestic and industrial sector) to ensure minimal adverse impact on the environment and to promote application of green technology in different areas of Civil Engineering.

Milestones achieved since inception	2009 : 1st. B.Tech Batch admitted 2012 : Intake increased from 12 in 2009 to 52. 2013: AICTE approval for B.Tech. programme obtained. 2013 : 1st. B.Tech. Batch passed out. (100% pass record) 2015 : Dept. organizes its first National Seminar cum Workshop

Priorities	Details	Measurement criteria to judge progress
Outstanding Teaching Learning	• Qualified, competent and efficient teachers. • Faculty Members with diverse areas of	• Teacher student ratio • Placements & progression of

and Research	specialization • Intensive concurrent field work and practical courses • Compulsory Internship in Industry/IHR. • Generation of fund through grants from AICTE, NEQIP, TEQIP etc. • Setting up of up-to-date infrastructure • Building collaborative network – both internal and external • Strengthening the faculty with regular recharge of ideas through frequent national and international interactions • Adhering to working schedule for all academic and research programmes	students • Adherence to schedule • Success of students in external examinations • Publication, Indexing and Awards • Volume of research fund generated • Investment per student in laboratory
Relevant and Responsive Curriculum (with thrust areas)	• Offer electives in diverse areas of Civil Engineering • Comprehensive review of curriculum every four years for necessary up-gradation based on contemporary development	• Monitoring the no. of placement of students having these specialization/ electives/ programme • Peer review of the curriculum
Meeting employers need	• Skill oriented curriculum • Exposure to Industry • Capacity building and decision making capacity • Soft skill development and hands-on – practice of various civil engineering equipment • Organizing workshop on Industry-academia interaction • Internship at Prospective employer's Organization	• No of participants Quantitative analysis of employer's feedback • Feedbacks from stake holders • Feedback from alumni • Feedback from employer
Supporting local community	• Consultancy, Training programme/Workshop • Outreach Programme	• Through Interaction with community
Investing in people	• Faculty and Staff Development Programme • Skills training etc. • Start-up grant	• No. of personnel trained • Training days/person • Employee satisfaction survey • Organizing Seminar/Workshop/Conference etc.
Financial Strength	• Consultancy • Research Funding • Student fees • Self-supporting programmes • Other revenue generating activities	• Statement of amount generated
Internationalization	• Quality research publication • MoUs and collaborative research, projects/programmes with international organizations on relevant field of work. • Programmes specifically designed to attract foreign students MoU and collaborative research, projects/programmes	• Publication in current research areas. • Nos. of scientists interacted and attended in different programme • No. of students to foreign Institutions • No. of students from foreign Institutions

Indicative time line to achieve stipulated targets:

2016-17:

- Introduction of Choice Based Courses for PhD programme
- Up-gradation of departmental laboratory facilities
- Quality research publication
- Enhancement of consultancy
- Programme on rural development as extension activities
- Organization of National seminars/workshops
- Enhancing Industry-Academia Interaction with nearby industry and academic institution
- Enhancing research collaboration with national and international institutions and industry
- Enhancing Research grants - individual and departmental level

2017-18

- Starting of M. Tech Programme in Civil Engineering
- Up-gradation of departmental laboratory facilities
- Enhancement of consultancy
- Organization of National seminars/workshop/conference/skill development programme
- Enhancing Industry-Academia Interaction
- Quality research publications
- Research grants - individual and departmental level

2018-19

- Quality research publications
- Enhancement of consultancy
- Up-gradation of departmental laboratory facilities
- Enhancing Industry-Academia Interaction
- Organization of one International conference
- Research collaboration with national and international scientific bodies.
- Research grants - individual and departmental level

2019-20

- Up-gradation of syllabus for M. Tech and Ph. D programme.
- Enhancement of consultancy
- Quality research publications
- Raising research collaboration with Industry
- Raising Research grants - individual and departmental level

2020-21

- Starting new specialization of M. Tech in Civil Engineering.
- Quality research publications
- Laboratory up gradation to meet societal and industry requirements
- Enhancement of consultancy
- Raising research collaboration with Industry and national and international scientific bodies
- Raising research grants - individual and collective.

School of Engineering
Department of Computer Science and Engineering

1. Critical Analysis of Present Scenario-

   BTech (CSE)
   - i.   Quality of intake has largely remained same.
   - ii. Campus placement has improved.
   - iii. Very low teacher-student ratio.

   MCA
   - i.   Demand for seats in MCA has reduced in recent years.
   - ii. Job opportunities for MCA graduates have reduced.
   - iii. However campus placement has improved along with BTech.

   MTech(IT)
   - i.   Educational and research institutes have formed a positive opinion about our MTech programme.
   - ii. Number of GATE qualified candidates seeking admission in the programme has increased.
   - iii. Already an MTech(CSE) programme has been approved in the University.

   Research
   - i.   Number of candidates seeking admission into the PhD programme has increased.
   - ii. Number of areas of research has increased.
   - iii. Research publication has increased.
   - iv. Constraints in access to research materials have been felt.
   - v.   Deficiency in working facility (room and furniture) for researchers has been felt.
   - vi. Funding of research projects has increased. Particularly, the department has earned the prestigious MHRD Centre of Excellence.

2. Vision for the Future
   - Increase the number of seats in the BTech(CSE) to 60.
   - Reduce the number of seats in MCA from 45 to 30.
   - Increase the intake in the MTech programme
   - Introduce MTech(CSE)
   - Introduce specialisations such as, Big Data, Machine Learning, Soft Computing, Networks, Network Security, Knowledge Representation & Reasoning under MTech(CSE) and MTech(IT).
   - Increase the researcher strength by inducting more qualified persons in appropriate positions.
   - Increase collaborations with research groups in India and abroad.
   - Align the curriculum with the need of the industry and the society.
   - Augmentation of computing resource through a High Performance Computing Centre
   - Create two classrooms with 120 students capacity each, with multimedia support.

3. Desired Future State

To be a dedicated centre of learning and research in computer science and engineering for creating competent professionals capable of taking leading roles in industry, academia, entrepreneurship and application.

4. Long Term and Short Term Goals and Milestones

   1. Lively environment for the students and faculty for personal and professional growth with high ethical standards.
   2. Train the students in latest technology for better employability.
   3. Solving challenging problems in computer engineering and applications.
   4. Be a Centre of Excellence in frontier areas of research.

Vision of the Department	To be a dedicated centre of learning and research in computer science and engineering for creating competent professionals capable of taking leading roles in industry, academia, entrepreneurship and application.
Mission of the Department	(i) To create a lively environment for the students and faculty for personal and professional growth with high ethical standards. (ii) To continuously upgrade the curriculum and laboratory facilities to train the students in latest technology for better employability. (iii) To involve the students in individual as well as team projects for solving challenging problems in computer engineering and applications. (iv) To create a centre of excellence on frontier areas of research. (v) To facilitate consultancy work by the faculty for industry and the public sectors.
Objectives of the Department	**Program Educational Objectives:** 1. To produce proficient and competent Computer Science and Engineering graduates / postgraduates with a solid foundation in engineering, basic sciences and mathematics for successful professional careers in industry, academia, and public service. 2. To prepare graduates to become effective technical communicators/collaborators in multidisciplinary teams

	providing technical leadership to create innovative computing solutions for challenging real life problems.
	3. The graduates of the programme will contribute to society in a professional, responsible and ethical manner.
	4. Our graduates will pursue lifelong learning through such activities as higher studies, research and development, distance education, professional training and membership in professional societies to be able to adapt to challenges of changing environment.
Milestones achieved since inception	DST FIST Level-I (2005-09) UGC SAP DRS-I (2009-14) UGC SAP DRS-II (2015-20) MHRD CoE AICTE NEQIP Major Research Projects sponsored by DietY, AICTE, DST, DRDO, UKIERI

Strategic Priorities:

Priorities	Details	Measurement Criteria to Judge Progress
Outstanding teaching learning and research	Have highly qualified and competent teachers, classroom infrastructure, laboratories, use of ICT, working schedule for all academic and research programmes, scholarships and research fellowships, SAP-DRS, DST-FIST etc.	-Teacher student ratio -Placements -Investment per student in ICT and laboratory -Adherence to schedule -Success of students in external examinations -Publication, Indexing and Awards
Relevant and responsive curriculum	Specialization/Elective Courses as per demand analysis	No. of placement of students having these specialization/Electives
Outstanding facilities and resources	Create/set-up SPECIALIZED lab facility	Investment per student/researcher User hour Publication/patents based on these

		Revenue generation
Meeting employers' needs	Internship at prospective employer's organization Training programme as per employer's requirement	No of participants Quantitative analysis of employer's feedback
Supporting local community	Consultancy, Training programme/Workshop Outreach programme	No. of events No. of beneficiaries Expenditure
Investing in people	FDP ICT Training Skills training etc. Start-up grant	No. of personnel trained Training days/person Employee satisfaction survey Organizing Seminar/Workshop/Conference etc.
Financial Strength	Research Funding Consultancy Student fees Self-supporting programmes Other revenue generating activities	Amount from each
Internationalization	Programmes specifically designed to attract foreign students MoU and collaborative research, projects/programmes	No. of students to foreign institutions No. of students from foreign institutions Revenue generated Publication, Patents

5. Seeking commitment of people to the goals
   - Clearly state the goals and make the people in the department aware of these.
   - Create healthy working environment for academic and research.
   - Create room for career growth of faculty members and researchers.
   - Provide appropriate career guidance and counselling to the students.

6. Creating Support System and Resource Planning
   - Creating adequate capacity in the laboratories.
   - Ensuring uninterrupted power supply.
   - Creating adequate seating space for faculty and researchers.

7. Mechanism for monitoring the progress

- Prior identification of final goals and milestones, and Gantt charts for every research activity.
- Regular review through seminars and discussion.
- Encouraging publication of research outcome.

School of Engineering
Department of Electronics and Communication Engineering

Vision

To develop as a center of excellence in Electronics and Communication Engineering through creative and innovative practices in teaching, learning and research

Mission

(i) To impart quality education, training and research at the undergraduate, post graduate and doctoral levels in all the areas of Electronics and Communication Engineering

(ii) To inculcate a perceptive alacrity to observe, identify real life problems, formulate strategies for solution and evolve contextually effective solutions

(iii) To deliver theoretical base, advanced technological concepts, teamwork spirit, ethics, human values, practical base, research and development to the students, extension activities to other organizations through creation of advanced facilities and providing platforms for synergy

Programme wise PEOs and POs

Programme - Bachelor of Technology in Electronics & Communication Engineering

B. Tech. (Elect. & Comm. Engg.) - Program Educational Objectives (PEOs):

1. To prepare the students with good understanding of the respective subjects with design, analytical and problem solving skills

2. To train the students with knowledge of latest design trends

3. To inculcate in students the sense of ethics, morality, professionalism, creativity, leadership, independent thinking, self confidence, good communication skills and prepare them to become successful engineers who can work worldwide in industries and research & development laboratories

4. To introduce the research world to them so that they feel motivated for higher studies and innovation not only in their own domain but multidisciplinary domain

B. Tech. (Elect. & Comm. Engg.) - Program Outcomes (POs):

1. The graduates will be able to apply the concepts of Engineering mathematics through Laplace, z-transform, linear algebra, probability and statistics, differential equations etc. and basic knowledge of engineering physics and chemistry

2. The graduates will be able to understand, interpret the problem, design and perform the experiments to meet the desired solution of the problem within the context of electronics and communication engineering

3. The graduates will have a good understanding of professional and ethical responsibility

4. The graduates will be able to express themselves effectively through written and oral communication

5. The graduates will have a good understanding and knowledge in applying the engineering solutions to society

6. The graduates will have a good understanding for the need of life long learning and will be able to work in teams

7. The graduates will show good proficiency in applying the techniques and knowledge of modern engineering skills in tackling contemporary technological challenges

8. The graduates will have good background for admission to post graduate programs (in same domain), management degree programs and also research programs in various organizations of national and international repute

9. The graduates will be able to participate and succeed in competitive examinations

Programme - Bachelor of Technology in Electrical Engineering
B. Tech. (Elect. Engg.) - Program Educational Objectives (PEOs):

1. To produce competent electrical engineering graduates with a strong foundation in design analytics and problem solving skills for successful professional careers in industry, research and public service

2. To provide a stimulating research environment so as to motivate the students for higher studies and innovations in the specific and allied domains of electrical engineering

3. To encourage the graduates to practice the profession following ethical codes, social responsibility and accountability

4. To train students to communicate effectively in multidisciplinary environment

5. To imbibe an attitude in the graduates for life- long learning process

B. Tech. (Elect. Engg.) - Program Outcomes (POs)

1. The graduates will be equipped with the knowledge and concepts of applied sciences and electrical engineering

2. The graduates will demonstrate an ability to analyze, formulate and solve problems related to engineering mathematics including the concepts of Laplace transform, z-transform, linear algebra, differential equations, probability and statistics

3. The graduates will develop an ability to perform, analyze and interpret experiments on network theory

4. The graduates will have knowledge and exposure on electric machines, power electronic circuits and drives for industrial applications

5. The graduates will have knowledge in transmission and distribution systems, power system analysis and protection systems to pursue a career in the power sector

6. The graduates will be able to develop mathematical modeling, analysis and design of control systems and associated instrumentation for electrical engineering

7. The graduates will be able to design and build renewable energy systems for developing clean energy and sustainable smart technologies

8. The graduates will exhibit skills to use contemporary measurement and instrumentation tools

9. The graduates will display an ability to design and implement analog and digital concepts in electrical systems

10. The graduates will have knowledge of microprocessors, microcontrollers, data structures and programming for embedded system design

11. The graduates will exhibit skills in using design and simulation tools

12. The graduates will have good background for progression onto post graduate and research programs

13. The graduates will have a good understanding of professional and ethical responsibility

14. The graduates will be able to demonstrate effective communication skills, both written and oral

15. The graduates will have a good understanding for the need of life long learning and will be able to work in teams

Programme - Master of Technology in Bioelectronics

M. Tech. (Bioelectronics) - Program Educational Objectives (PEOs):

1. To produce globally capable graduates in the domain of bioelectronics with knowledge in the areas of electronics engineering, design analytics and problem solving skills for success in professional careers in industry, academia and public service

2. To produce graduates motivated towards research and innovations in the broad area of bioelectronics by providing a stimulating research and learning environment

3. To encourage the graduates to practice the profession following ethical codes, social responsibility and accountability

4. To imbibe in the graduates an attitude for life-long learning process

M. Tech. (Bioelectronics) - Program Outcomes (POs)

1. The graduates will demonstrate knowledge and concepts which are competitive for application in bioelectronics and allied disciplines

2. The graduates will demonstrate an ability to analyze, formulate and solve problems related to Bioelectronics devices and system design

3. The graduates will develop an ability to design and implement projects and carry out research in interdisciplinary and emerging areas for application in health care, food safety and bio-inspired systems

4. The graduates will display an ability to contribute in the transformation of the economy through knowledge-based initiatives

5. The graduates will have knowledge and exposure on different phenomena occurring in semiconductor materials, biological materials, aqueous solutions, solid-solid junction, and motion in solution and chemical reactions

6. The graduates will have knowledge to use, fabrication and characterize bioelectronic devices such as ISFET, CNTISFET, BioFETs, CNTBioFETs

7. The graduates will have knowledge in Biomedical signal analysis, biomedical image processing and their hardware implementation with exploration through computer vision and Instrumentation

8. The graduates will have good background for progression onto research programs and competitive examinations of national and international repute

9. The graduates will have a good understanding of professional and ethical responsibility

10. The graduates will be able to demonstrate effective communication skills, both written and oral

11. The graduates will have a good understanding for the need of life long learning and will be able to work in teams

Programme - Master of Technology in Electronics Design and Technology

M. Tech.(Elect. Design & Tech.) - Program Educational Objectives (PEOs):

1. To produce globally capable graduates in the domain of electronics design and technology with knowledge in the areas of electronics engineering, design analytics and problem solving skills for success in professional careers in industry, academia and public service

2. To produce graduates motivated towards research and innovations in the broad area of electronics design and technology by providing a stimulating research and learning environment

3. To encourage the graduates to practice the profession following ethical codes, social responsibility and accountability

4. To imbibe in the graduates an attitude for life-long learning process

M. Tech.(Elect. Design & Tech.) - Program Outcomes (PEOs):

1. The graduates will demonstrate knowledge and concepts which are competitive for application in electronics design and technology

2. The graduates will demonstrate an ability to analyze, formulate and solve problems related to innovative product design

3. The graduates will develop an ability to design and implement projects and carry out research in interdisciplinary and emerging areas

4. The graduates will have knowledge and training on translation of product concepts to manufacturable designs, methodology of product design and ergonomics of electronic equipment

5. The graduates will have knowledge in the design of digital systems, micro-fabrication and intelligent systems.

6. The graduates will have good background for progression onto research programs and competitive examinations of national and international repute

7. The graduates will have a good understanding of professional and ethical responsibility

8. The graduates will be able to demonstrate effective communication skills, both written and oral

9. The graduates will display an ability to contribute in the transformation of the economy through knowledge-based initiatives

10. The graduates will have a good understanding for the need of life-long learning and will be able to work in teams

2017-2018:
- Reaching out to the local communities to assess needs and avenues for affordable technology utilization.
- Curriculum revision of the courses identified during assessment earlier.
- Mobilization of resources for augmentation of established facilities as well as addition of new facilities.
- Operation and maintenance of established facilities.
- Diversification of research areas in the department with a special emphasis in interdisciplinary research.
- Emphasis and continued effort for improvement in placement via pedagogy, grooming and awareness.

2018-2019:
- Development and implementation of technology based on assessed needs for the benefit of the local community.
- Continuation of curriculum revision of the courses identified during assessment earlier.
- Mobilization and utilization of resources for augmentation of established facilities as well as addition of new facilities.
- Operation and maintenance of existing facilities.
- Conducting workshops/ seminars/talks for enhancing diversified research in new and interdisciplinary areas.
- Emphasis and continued effort for improvement in placement via pedagogy, grooming and awareness.

2019-2020:
- Implementation of developed technology and maintenance for the local community.
- Collaboration with other Institutions
- Operation and maintenance of existing facilities.
- Emphasis and continued effort for improvement in placement via pedagogy, grooming and awareness.

2020-2021:
- Continuation of the initiatives taken in the previous years to meet the objectives.
- Assessment and redefining of the goals and objectives on performance and achievements.

School of Engineering

Department of Electrical Engineering

Vision of the Department	To emerge as a center of academic excellence by imparting quality technical knowledge and executing research activities in frontier areas of electrical engineering to produce engineers that are competent to take key roles in Industry and Academia.
Mission of the Department	The mission of Electrical Engineering department is: (i) To produce electrical engineers that has strong theoretical foundation, good practical experience and exposure to research and development. (ii) To impart professional and updated technical skill set to our students in order to produce industry ready graduates who are most competent for absorption into core and allied industries. (iii) To impart quality education, training and research at the undergraduate level in all the areas of Electrical Engineering. (iv) To create nurturing environment for young minds by involving the students in individual and team projects for solving innovative problems in the applied fronts of Electrical engineering. (v) To inculcate Team Spirit, ethical conduct and strong practical base among its students to equip them with the professional knowhow for succeeding to challenges of changing global environment. (vi) To be a center for innovation and technological Research & Development in frontier areas of electrical engineering. (vii) To update our technological knowledge base and curriculum as per the changing trends in the Industry and research innovations.
Objectives of the Department	The program educational objectives (PEOs) of the B.Tech programme in Electrical Engineering at School of Engineering, Tezpur University are as follows: (iv) To produce competent Electrical Engineering graduates with a solid foundation in engineering, design analytics and problem solving skills for flourishing professional careers in industry, academia, and public service. (v) To provide stimulating research environment to them so that they feel motivated for higher studies and innovations in the specific and allied domains of Electrical Engineering. (vi) To encourage the programme graduates to practice the profession with ethical code, social responsibility and reliability by taking the ownership for their projects. (vii) To train graduates in technical communication and Interpersonal skills in multidisciplinary teams to inculcate technical leadership qualities for success in their professional life. (viii) To indoctrinate an attitude in the graduates for life- long learning process.

Expected Program Outcomes (POs) of the B.Tech. in Electrical Engineering at School of Engineering, Tezpur University are as follows:

16. The graduates will demonstrate knowledge and concepts of Applied Sciences and Electrical Engineering.
17. The graduates will demonstrate an ability to identify, formulate and solve problems related to Engineering mathematics through Laplace, z-transform, linear algebra, differential equations etc..
18. The graduates will develop an ability to design, perform, analyze and interpret experiments on Network/Circuit Theory.
19. The graduates will display an ability to design and implement analog and digital system on Integrated Development Environment.
20. The graduates will have knowledge and exposure on different Electric Machines, Power Electronic circuits and drives for industrial applications.
21. The graduates will have excellent knowledge in transmission and distribution systems, power system analysis and protection systems to pursue a career in the power sector.
22. The graduates will have a fine knowhow of microprocessors, microcontrollers, data structures, computer programming.
23. The graduates will be able to develop mathematical modeling, analysis and design of control systems and associated instrumentation for Electrical Engineering.
24. The graduates will be able to design and build renewable energy systems for developing clean energy and sustainable smart technologies.
25. The graduates will exhibit skills to use contemporary Measurement & Instrumentation tools like power quality analyzer, digital storage oscilloscope, multimeters and calibrators.
26. The graduates will exhibit skills for using Software's like MATLAB, Labview, PSCAD, P-Sim for Design and Analysis purposes.
27. The graduates will have good competency for admission to post graduate programs (in allied domain), management degree programs and also for competitive examinations of various organizations of national and international repute like GATE, CAT, GRE and other PSU exams.
28. The graduates will exhibit the knowledge of professional and ethical responsibilities (value education, interpersonal and managerial skills).
29. The graduates will be able to demonstrate effectively both verbal and written communication skills.
30. The graduates will develop confidence and an attitude towards lifelong learning.

School of Engineering

Department of Energy

Vision of the Department	Contribution towards development into a world class centre with special interest for academic and research excellence in the field of energy/ renewable energy study; to serve industry and society by adopting need based academic and research programme along with extension activities and to remain as a referral National hub for energy studies.
Mission of the Department	• Promoting academic growth through adoption of need based curriculum and by offering state-of-the art R&D and extension activities in diverse areas of energy. • Creating provision for transforming into secure and sustainable energy by cutting-edge research activities. • Undertaking collaborative research project with industry, academic institution (international and national) for mutual solutions of energy related problems.
Objectives of the Department	• to produce manpower pool in the field of energy • to develop new and efficient energy conversion technologies, • to undergo R & D and extension activities in diverse areas of energy. • to undertake skilled based academic programme to cater the need of energy manpower for industries, companies and institutions. • to strengthen research collaboration with industry and other institutions for local energy and environmental solutions towards sustainable energy development.
Milestones achieved since inception	• Awarded 20 Ph.D. in Energy and 200 M. Tech. in Energy Technology manpower till date. • Developed well-quipped energy laboratories for solar, wind, biomass and biofuel, computational laboratory, engine laboratory along with open air laboratory facilities. • Developed research areas in renewable energy related field and generated around ₹ 430 lakhs fund from external research project from National and International funding agencies including collaborative international project. • 5 MoUs signed with industries and academic institutions for implementing common research programme. One of them is signed with University of Nottingham, UK. • More than 200 publications in referred journals of international and national repute including full papers in national and international conference proceedings. • Encouraging placement of outgoing students as faculty members in most of the notable institutions of India and abroad, officers in PSUs, Scientists in research organizations, officer level positions in state and central Govt. jobs and most of them also joined in higher studies for Ph.D. and PDF in India and abroad.

	• Students were recognized for their research works by awarding Nehru-Fullbright Fellowship at UC Davis, USA, CIMO fellowship at Abo Akademi University, Finland, ISCA young scientist award and Indo-French Sandwich PhD Fellowship at Monte pillar University. • Organizing at least 3-4 workshop/seminars in the department every year by inviting industrial experts, academicians, stack holders from India and abroad. • Faculty members were awarded with Indian Distinguished visiting Fellow of University of Nottingham, UK ; Visiting Scientist to the Process Chemistry Centre, Abo Akademi University, Turku, Finland and representing as members in various National and regional committees.

Strategic Priorities:

Priorities	Details	Measurement Criteria to judge progress
Outstanding teaching learning and research	• Generation of fund through national recognition like DST-FIST, UGC-SAP, National & International Collaborative Project. • Setting of the state-of the art facilities including ICT, Modern lab facilities etc. • Strengthening network with national and international institutions for enhancing academic and research activities. • Maintaining a congenial atmosphere for the students and faculty members to involve in a homely teaching and learning environment. • Attracting the best talents to the department for carrying out innovative research in energy related field. • Adhering to working schedule for all academic and research programmes. • Renewable energy based rural development	• Proper representation of research contributors in publications/patents • Suitable Placement of school finishing students • Enrolment in Higher studies in Institutes of national and international repute • Skilled based curriculum • External fund generated • Strictly followed academic schedule • Investment per student for laboratory classes
Relevant and responsive curriculum (with thrust areas)	**Curriculum is developed** • To provide trained manpower for research, development and consultancy work in the energy related field. • To provide trained manpower for energy planning, management and implementation of various new and renewable energy programmes in the National and State level Departments/Agencies and as well as private sector. • To cater the need of stake holders– industry, academia and communities.	• curriculum revision in every two years • Feedback from Industrial experts, academicians, employer etc. • Alumni's suggestions • Current demand of society • Adoption of effective teaching-learning methodology

Meeting employers' needs	• Skilled oriented curriculum • Exposure to Industrial energy management • Capacity building and decision making capacity • Soft skilled development and hands-on – practice of the energy systems • Organizing workshop on Industry-academia interaction	• Feedbacks from stake holders, • Feedback from alumni • Feedback from employer
Supporting local community	• Participation in Exhibition in schools, colleges regarding renewable energy systems and their operation through outreach programme and awareness programme. • Inviting NGOs, local bodies to various workshop and seminars organizing in the department for close interaction and exposure. • Lectures delivered by faculty members in Colleges, Schools, Public awareness programmes • Orientation to departmental laboratories to the different strata of people. • Undertaking region specific research problem	Selection of beneficiaries and frequency of participation in different localities Identification of NGOs/local bodies working in relevant field and level of workshop
Financial Strength	Research Funding & Consultancy	Volume of fund generated
Internationalization	• High quality research publication • Organization of International workshop/conference/seminars • Exchange of Faculty members and teachers with international institutions • MoUs and collaborative research, projects/programmes with international organizations on relevant field of work. • Patents	• Publication in current research areas. • Nos. of scientists interacted and attended in different programme • Nos. of students joined in academic curriculum from abroad

Indicative time line to achieve stipulated targets:

2016-17:

- Up-gradation of syllabus for M. Tech and Ph. D programme
- Up-gradation of departmental laboratory facilities
- Quality research publications
- Programme on Renewable energy based rural development involving local bodies/NGOs
- Organization of one International conference and three National seminars in the field of energy and environment.

- Enhancing Industry-Academia Interaction with nearby energy industry and academic institution
- Enhancing research collaboration with national and international institutions and industry
- Enhancing Research grants - individual and departmental level
- Application for DRS-I

2017-18

- Up-gradation of departmental laboratory facilities
- Organization of National seminars/workshop/conference/skill development programme
- Enhancing Industry-Academia Interaction
- Quality research publications
- Research grants - individual and departmental level

2018-19

- Up-gradation of syllabus for M. Tech and Ph. D programme.
- Up-gradation of departmental laboratory facilities
- Enhancing Industry-Academia Interaction
- Organization of one International conference in the field of renewable energy
- Research collaboration with national and international scientific bodies.
- Research grants - individual and departmental level

2019-20

- New academic programme on energy to be proposed as per the current needs arise.
- Setting up of testing centre for renewable energy systems on solar, biomass (cookstove) etc.
- Quality research publications
- Raising research collaboration with Industry
- Raising Research grants - individual and departmental level

2020-21

- Up-gradation of syllabus for M. Tech and Ph. D prgramme
- Laboratory up gradation to meet societal and industry requirements
- Raising research collaboration with Industry and national and international scientific bodies
- Raising research grants - individual and collective.

School of Engineering

Department of Food Engineering and Technology

Vision of the department	To create trained and skilled human resources well versed in engineering aspects of food processing to cater the needs of the rapidly growing food processing sector.
Mission of the Department	✓ To establish itself as the leader in human resource development for supporting the food processing sector. ✓ To provide knowledge support and training for better preservation, processing and value addition to agro-products for improving the post harvest handling and distribution systems. ✓ To promote research on development of processed food products, processing systems, preservation techniques and quality assurance practices. ✓ To promote food safety laws and regulations for supporting a competitive, modern and safe food market for the consumers.
Objectives of the Department	(i) Contributing to resolve the regional, national and global issues of availability of safe and wholesome food through human resource development, transfer of technology and providing services. (ii) Bring innovation and excellence in education and research with up to date domain knowledge (iii) Producing graduates committed to play a commendable role in societal as leaders of academia, industry, government and of entrepreneurial pursuits (iv) Bridge the gap between food processing industries, R&D institutions and other academic institutions for achieving excellence in food processing
Milestones achieved since inception	**2015** • Selected for DRS-I under the UGC's SAP with grant of Rs. 116 Lakhs • Organized National Seminar IPFP-2015 **2014** • Included as a beneficiary department for AICTE-NEQIP with grant of Rs. 88 Lakhs **2013** • Received DST – FIST grant worth Rs. 75.00 Lakhs **2011** • Started M. Tech Program in Food Engineering and Technology w.e.f the academic year 2011-12 • Received grant of Rs. 202 Lakhs for establishing MoFPI funded Food Testing Laboratory • Received MoFPI grant for HRD UG of Rs. 73 Lakhs • Organized National Seminar BIOFOODS-2011. • Started 04 year Integrated M. Tech program in Food Engineering and Technology

2010

- Started 04 year B. Tech program in Food Engineering and Technology w.e.f the academic year 2010-11

2009

- Regional workshop on food processing of locally available fruits and vegetables in 2009
- Started 03 year M. Tech program in Food Processing Technology

2008

- First batch of M. Sc (Food Tech) student graduated

2006

- Establishment of the department
- Received MoFPI grant for HRD PG of Rs. 50 Lakhs

Other Achievements:

As on date,

Number of PhDs awarded: 06

Number of publications   : 97

Total grant received by faculties through funded projects:

Completed: 236.24 Lakhs;

Ongoing: 362.14 Lakhs

National Seminars Conducted: 02

Training Program Organized : 02

Professional Contribution:

Started the Local Chapter of AFST(I)

Awards/Fellowship to Students:

GE Foundation's Scholar Leader Fellowship: 02

REC Fellowship   : 02

INSPIRE fellowship   : 02

SRF CSIR/UGC/ICAR   : 05

GATE/CAT/NET/SLET   : 27

Nehru Full-bright Scholarship   : 01

Alumni Records :

Alumni from the department are holding positions/ finding placement in teaching institutes, research organizations and industrial houses such as Britannia, Repose Foods Pvt. Ltd., SRD Foods Pvt., FSSAI, Sunrise Biscuit Company Pvt., Pepsi Co, Perkin Elmer, Nestle, GSK, Amul, Tata Global Beverages etc.

Strategic Priorities

Priorities	Details	2016-17	2017-18	2018-19	2019-20	2020-21	Measurement Criteria to judge progress
Outstanding teaching and learning practises	To Have highly qualified and competent teachers also to meet approving body's specified minimum ratio						-Teacher student ratio -Placements -Investment per student in ICT and laboratory -Adherence to schedule -Success of students in external examinations - scores awarded by assessment bodies like NBA - number of students receiving scholarships/ assistance ship
	Improving classroom infrastructure by facilitating smart techniques	MMP projector in each of the class rooms Smart boards in 02 class rooms, Wi Fi coverage of class rooms.		Clicker based teaching system for gathering immediate feedback			
	Use of ICT	Incorporation of online content in regular class routines Effective use of moodle for course planning, evaluation and feedback collection.		Development of facility for audio/video based class content,			
	Laboratory Up-gradation including inclusion of virtual laboratories	Improvement of academic laboratories through supports such as NEQIP, MODROBS, and other similar supports					
	Working schedule for all academic programs (i) B Tech (ii) MTech	(i) Gradual increase in the number of B Tech seats (ii) Gradual increase in no of PhD seats (iii) Induction of general science graduates in to food processing					

	(iii) PhD	professional course through conventional/ NSQF framework	
	Scholarships etc.	(i) Encouraging students to participate and compete for scholarship schemes of GOI /NGO/Industry houses/ charitable organizations. (ii) extending teaching assistance ship	
Relevant and responsive curriculum (with thrust areas)	Gradual inclusion of elective courses	(i) Statistical quality control in foods (ii) Experimental methods (iii) Food processing system design (iv) Food processing project design (v) Food processing entrepreneurship (vi) Tea processing and quality testing	No. of placement of students having these specialization/electives/programme
	New courses	Participation in NSQF based skill development programme in masters and research level	
Meeting employers' needs	Internship at prospective employer's organization Training programme as per employer's requirement	(i) Industrial training at reputed industrial houses (ii) Creating windows for internship of durations matching facilitator's schedule (iii) Regular finishing school programs with support from NEQIP (iv) Involving guest faculty from industries	No of participants Quantitative analysis of employer's feedback Industry Sponsored students
Research Contributions	Two major thrust areas.	(i) Food Technology (**Value addition of convenience foods**) (ii) Food Process Engineering (**To ensure desired food product characteristics**) **Year wise detail research program is given in annexure**	Publication patents Awards
Outstanding facilities and resources	Create/set-up	(i) To operate food testing laboratory with license for certification (ii) To enhance sophisticated instruments laboratory by incorporation of set ups such as DSC-TGA, SCFE, PCR, Rheometer etc through grants of FIST and SAP	Investment per student/researcher User hour Publication/patents based on these Revenue generation

		(iii)	To set up a laboratory on novel food processing technology	
Supporting local community	Consultancy, Training programme/Workshop Outreach programme	(i) Consultancy through food testing (ii) Training of local youth on food processing, minimum 01/year (iii) Awareness programme on food quality 01/year (iv) Entrepreneurship development program 01/year		No. of events No. of beneficiaries Expenditure
Participation in implementation of flagship programmes and developmental policy framing		(i) Participating in arranging evaluation of effectiveness of Govt sponsored schemes (ii) Participation in advisory roles to welfare organization working on food and nutritional security (iii) Participation in skill development programme and in identifying skill gaps (iv) Devising and designing courses based on skill gap in areas related to food processing (v) To work as a resource centre for mentoring of skill imparting units in the field of food processing and preservation		Feedback from relevant organizations
Investing in people	FDP ICT Training Pedagogy Training Skills training etc. Start- up grant	(i) To organize 03 FDP in Food Processing and related areas (ii) To depute members to join FDP or similar courses (iii) To organize ICT training minimum 01 each in a year (iv) To organize Pedagogy and OBE training minimum 01 each in a year (v) To organize on site skill training for technical staff and office staff, total 03 during the period (vi) To depute members to undergo skill training (vii) Start up grant as per provisions (viii) Organizing 03 seminars during the period.		No. of personnel trained Training days/person Employee satisfaction survey Organizing Seminar/Workshop/Conference etc.

Financial Strength	Research Funding	(i)	Gradual increase in IRG from sponsored research funding	Amount from each
		(ii)	To raise the IRG from consultancy in works related to food testing, food project formulation,	
	Consultancy			
	Student fees	(iii)	To initiate earning from technology transfer	
	Self-supporting programmes	(iv)	Short term training program for participants from Industry, with sole contribution from industry	
	Other revenue generating activities			
Internationa lization	Programmes specifically designed to attract foreign students MoU and collaborative research, projects/progra mmes	(i)	3-5 No. of students to foreign institutions	No. of students to foreign institutions
		(i)	3-5 students from foreign Institutions	No. of students from foreign institutions
		(ii)	3-5 Individual level collaboration for publications/patents/supervisorsh ip etc	Revenue generated Publication, Patents,
		(iii)	1-2 Department level collaboration for research project in emerging areas in food processing	
		(iv)	1-2 International level seminar/conference/workshop	

School of Engineering
Department of Mechanical Engineering

Vision of the Department	To emerge as a centre of excellence producing quality mechanical engineers and conducting cutting-edge research.
Mission of the Department	• To educate youths with a strong foundation in Mechanical Engineering. • To imbibe human values, self-confidence and independent thinking in students. • To train scholars in handling mechanical engineering as well as interdisciplinary problems exploiting their domain knowledge and using latest technologies. • To carry out research addressing critical issues, arising from the dual problem of limited natural resources and environmental hazards, leading to the development of alternative resources, energy management and sustainable systems design. • To produce human resource for heavy engineering and manufacturing industries. • To create quality mechanical engineering professionals to serve the country and the society at large.
Objectives of the Department	1. To impart fundamental knowledge of Mechanical Engineering, enabling students to face practical challenges of solving engineering problems. 2. To train students through exposure to the latest technology in various core fields of Mechanical Engineering. 3. To motivate students for higher studies, research and other co-curricular activities. 4. To prepare students for successful career in academia, industry and government sector. 5. To inculcate in students the sense of ethics, professionalism, creativity, leadership, entrepreneurship, and self-confidence.
Milestones achieved since inception	2006: 1st batch of B.Tech. students (26 nos.) admitted against an intake capacity of 30 2009: Intake capacity increased from 30 to 52 2010: 1st. B. Tech. batch graduated with 100% success rate 2012: One faculty received Fast Track Young Scientist

	(FAST) award of DST-SERB division
	2013: Two more faculty received Fast Track Young Scientist (FAST) award of DST-SERB division
	2013: AICTE approval for B. Tech. programme obtained.
	2013: M. Tech. (Specialization: Applied Mechanics) and Ph. D. programmes in ME started.
	2014: AICTE NEQIP grant received.
	2015: 1st. M. Tech. batch graduated with 100% success rate
	2015: AICTE approval for M. Tech. programme obtained.
	2016: NBA accreditation for the B.Tech. programme obtained for 2 years

Strategic Priorities

Priorities	Details	Measurement Criteria to judge progress
Outstanding teaching learning and research	• Increase faculty strength through recruitment of faculty with good academic background in various positions. • Develop strategies for effective teaching and learning that help students to enhance their academic performance • Follow a strict working schedule in all academic and research programme. • Involve industry person and eminent academicians for delivering talks/lectures • Arrange regular visit of students to industry for supplementing theoretical knowledge • Set up state of the art laboratory for teaching and experimental research in the focused field of ME. • Carry out computational work and research in core fields of ME. • Have more funded research	• Teacher student ratio • Placement of students in jobs, higher studies and achievements in other competitive examinations • Volume of research fund generated, number of research papers published

	projects. • Generate fund through SAP-DRS, DST-FIST etc. • Conduct seminars, workshops and a national/international conference	
Relevant and responsive curriculum (with thrust areas)	• Revision of curriculum after every four years through collection of feedback from industry, academia and alumni. • Offer two more specializations in the M.Tech. ME programme viz. (I) Thermo-Fluids Engineering (II) Design and Manufacturing Engineering.	• Peer review of the curriculum • Placement of students in jobs and doctoral studies
Outstanding facilities and resources	• **Human Resources**: 4 professors, 8 associate Professors, 12 Assistant Professor and two technical assistants are required in the department for competing with other leading technical institutes. • **Research facilities**: (i) Setting up state of the art research and computational facilities in the field of combustion, fluid mechanics, heat transfer and IC engine. (ii) Submitting research proposals to different funding agencies • **Laboratory facilities**: (i) Setting up a full-fledged heat transfer laboratory (ii) Strengthening the Thermal Science laboratory (iii) Strengthening Fluid Mechanics and Turbomachinery laboratory (iv) Strengthening Strength of Materials laboratory (v) Strengthening the Material Science laboratory (v) Modernizing the CAD and theory of machine laboratory	• In terms of faculty strength • In terms of research facility created, laboratory equipment purchased

Meeting employers' needs	• Having collaboration with industry for students' projects • Involving industrial experts in board of studies and in the curriculum revision committee. • Organizing lectures of industry persons • Organizing workshop on Industry-academia interaction	• Feedback from alumni and employer.
Supporting local community	• Organizing skill development development programme/training to local unemployed youth • Conducting outreach/awareness programme	• Tracking career progression of beneficiaries
Investing in people	• Conducting in house short term courses/seminars/conference etc. • Sending faculty, students and research scholars for presenting papers in international conferences in India and abroad • Sending faculty for attending workshops/short term courses • Organizing in house workshop on pedagogy • Sending technical staff for advanced training on handing of workshop/laboratory equipment	• In terms of money invested in Faculty development programme and its outcome • In terms of number of events organized • In terms of number of facutty benefitted, technical staff trained.
Financial Strength	• Grant of research funding from external agency • Student fees • Self-supporting programmes • Consultancy and other revenue generating activities	• Amount of fund generated from each
Internationalization	• Collaborating with foreign Universities through MoU and other collaborative research programmes • Participating in Indo foreign research projects. • Publishing research papers in good quality peer reviewed journals and international conferences • Organizing International Conferences	• In terms of number of collaborative projects • In terms of number of collaboration with foreign institutes • In terms of publications in good reputed journals • In terms of number of International Conference organized

Indicative timeline for achieving stipulated objectives:

2016-2017:

- Increasing faculty strength
- Revision of the B.Tech. curriculum
- Offering one more specialization (Thermo-Fluids Engineering) in the M. Tech. ME programme
- Setting up a full-fledged heat transfer laboratory
- Strengthening the Thermal Science laboratory
- Submitting research proposal to funding agencies
- Creating research facility in the in the field of fluid mechanics, heat transfer and IC engine
- Organizing industry academic interaction programme
- Organizing pedagogy, grooming and awareness based programme for improvement in students' placement

2017-2018:

- Creating research facility in the in the field of combustion
- Strengthening Fluid Mechanics and Turbomachinery laboratory
- Generate fund through SAP-DRS, DST-FIST etc.
- Organizing industry academic interaction programme
- Organizing pedagogy, grooming and awareness based programme for improvement in students' placement
- Participating in Indo foreign collaborative research programme
- Organizing a National Conference

2018-2019:

- Strengthening Strength of Materials laboratory
- Setting up a research laboratory in the field of refrigeration and air conditioning l
- Collaboration with industry for students' projects
- Organizing pedagogy, grooming and awareness based programme for improvement in students' placement
- Offering one more specialization (Design and Manufacturing Engineering) in the M. Tech. ME programme
- Strengthening of CAD laboratory and the central workshop facility

2019-2020:

- Strengthening Material Science laboratory
- Organizing workshop on Industry-academia interaction

- Conducting industry sponsored research programme
- Organizing an International Conference
- Initiating collaborative research programme with foreign universities
- Organizing pedagogy, grooming and awareness based programme for improvement in students' placement

2020-2021:

- Further enhancement of research and development activities
- Continuation of the initiatives taken in the previous years to meet the desired goal
- Performance assessment and analysis
- Redefining of the goals and objectives on the basis of achievements made

School of Humanities and Social Sciences

Department of Cultural Studies

Vision	To strive for excellence in the field of Cultural Studies by training human resources and generating knowledge on the tremendous potential of culture as a bridge-builder and also by building up a pool of varied cultural resources
Mission	i) To train human resources in understanding and appreciating the rich cultural diversity of the country ii) To undertake social interventions for the cause of promotion of indigenous cultures of the region iii) To ensure a suitable learning environment with a healthy teacher-student relationship iv) To make the Department a centre for excellence in Cultural Studies in the entire South East Asian region v) To strive to create an environment of mutual trust and respect amongst communities at large
Objectives	i) To develop excellence in the academic field of Cultural Studies – particularly in the areas of Gender Studies, North-East Indian Studies, Heritage and Media Studies ii) To help realize the potential of scholars, students and faculties working in the Department iii) To build the Department as a centre for excellence in Cultural Studies in the whole of South East Asia iv) To document and preserve the rich cultural diversity of the region and to translate the cultural and literary texts of the region and to make these available to a wider readership v) To strengthen and formalize international collaborations vi) To build a rapport with the people in general and try to accommodate their expectations involving the Department without compromising with its mandate of pursuit of academic excellence
Milestones achieved since inception	i) The Department of Cultural Studies (formerly Department of Traditional Culture and Art Forms) received a Ford Foundation grant for documenting and archiving the rich cultural diversity of the region. Thanks to this, the Department has gradually built up a rich archive of cultural resources, particularly of the performing art traditions of different communities of the region. ii) Many of our former students are presently working as faculties and researchers in premier colleges, universities and institutes of the country iii) The Department is presently under the Special Assistance Programme (DRS I) of the UGC (2011-2016). In addition we have

linkages with agencies such as Indian Council for Research in Social Sciences, UNICEF, Indian Council for Cultural Relations, Indian Council for Philosophical Research, National Research Laboratory for Conservation of Cultural Property, Maulana Abul Kalam Azad Institute for Asian Studies, Indira Gandhi Manav Sangrahalaya, Bhopal for various grants for seminars, refresher courses, projects etc.

iv) Students of the Department have consistently done well in the UGC-NET examination; quite a few students have qualified the UGC-JRF examination. Students of the department have also won awards and prizes at various inter-university meets.

v) The first regular (full-time) PhD and MA foreign students of the University are both from the Department of Cultural Studies

vi) The Department of Cultural Studies along with the Department of English and Foreign Languages and the Centre for Assamese Studies have been granted a "Centre with Potential for Excellence in Particular Areas" (2016-2021) by the UGC in April, 2016.

Priorities	Details	Measurement criteria to judge progress
Pursuit of excellence in teaching and research	Have qualified, dedicated and competent teachers from diverse academic disciplines, classroom infrastructure, laboratories, use of ICT, working schedule for all academic and research programmes, scholarships and research fellowships,	(i) Present teacher-student ratio is ideal (ii) Placements: Quite a few of our former students are presently working as faculties and researchers in premier colleges, universities and institutes of the country. Steps have been initiated to encourage the introduction of the subject at the undergraduate level. (iii) Investment per student in ICT and laboratory: 7000 INR per annum (approx.) (iv) Adherence to schedule: The academic schedule is strictly adhered to. (v) Success of students in external examinations: Our students have done consistently well in UGC-NET exams (vi) Publication, Indexing and Awards: Academically vibrant, the faculty members of the Department of Cultural Studies have been publishing consistently in good academic journals apart from publishing books related to their respective fields of research.
Relevant and Responsive Curriculum (with	Specialization /elective courses/	The existing syllabus for MA in Cultural Studies is just about a year old. The opinions of experts from all over the country were sought in designing the syllabus.

thrust areas)	programmes on **Gender Studies, Film Studies and Heritage Studies** (as per demand analysis)	Further, we also took into account the opinions of former students of the department. Finally, the syllabus was designed to help in training the students as per their respective interests and potential. We are presently considering starting a diploma programme on Digital Humanities considering the high demand for qualified people in this area in various sectors.
Outstanding facilities and resources	Create / set up laboratories	(i) Investment per student/researcher: 10,000 INR per annum (ii) User hour: 9-12 hours (iii) Publications based on these: As Cultural Studies is not a lab-oriented discipline, the output of these will be more in terms of imparting skill-based training to students (iv) Revenue generation: As we are expecting a substantive support from UNICEF and UGC (SAP-DRS II), we plan to set up multipurpose laboratories and other facilities with state-of-the-art equipment for benefit of the students along with properly trained technical manpower.
Meeting employers' needs	Internship at prospective employers' organizations. Training programme as per employers' requirements	(i) Regularity of internship programme: Regularly, a large number of students undertake internship at prospective employers' organizations. (ii) Quantitative analysis of employer's feedback: Quantitatively potential employers have been happy with 9 out of 10 students
Supporting local community	Consultancy, training programme, workshop, outreach programme	We have already carried out a few participatory programmes for local community members which have been successful. We plan to take up these activities under this category --- i) Training people about issues relating to Intellectual Property Rights with the active support of the TU, IPR Cell ii) Outreach programmes for enhancing communication amongst local communities through the use of folklore iii) Outreach programmes relating to heritage conservation
Investing in people	FDP ICT Training	(i) All our faculties already have PhD. In future, we plan to have at least one FDP planned for every

	Skills training etc. Startup grants	year.
		(ii) At least two to four hands-on training on documentation, mainly during longer vacation periods (summer and winter)
		(iii) At least one seminar / workshop / conference from various sources on different relevant aspects of the core areas of the department.
		(iv) Apart from startup grants we plan to tap agencies like UGC, ICSSR, UNICEF, ICCR, ICPR.
Financial Strength	Research Funding Consultancy Students fees Self-Supporting programmes Other revenue generating activities	We have been successfully managing funding for research: UGC SAP (I) – Rs 41 lakh UNICEF – Rs 72 lakh
Internationalization	Programmes specifically designed to attract foreign students MoUs and collaborative research projects / programmes	(i) We plan to have at least a few of research scholars to have stints in prestigious foreign universities. The University already has an MOU with the University of Nottingham.
		(ii) No. of students from foreign institutions: At present, the Department has three foreign students. In the future, we plan to aggressively publicize about our programmes. We particularly have in mind students from the South East Asian Countries.

School of Humanities and Social Sciences
Department of English and Foreign Languages

1. Critically analysing the present scenario.
The Dept of English and Foreign Languages is a combined department with Literature, Linguistics, English Language Teaching (ELT), and foreign languages programmes and faculty. The current MA English and Integrated MA English courses are among the most successful programmes in the university in terms of the number of applications received each year. Programmes in literature cover undergraduate to doctoral levels. The Linguistics section has developed sufficiently for the university to envisage a separate Dept of Linguistics. However, the foreign-language section remains somewhat under-developed.

2. Visioning the future.
If it is accepted that the foreign languages programmes are underdeveloped, then we should, in the future, think of extending our programmes in such languages as Chinese, German and French by offering a 3-year degree programme in, for example, Chinese. A separate Dept of the Linguistics is envisaged as well.

3. Try to see a desired future state that we would like to be attained after 5 yrs.
The Dept's UGC-SAP project has recently been upgraded to the second phase (SAP –DRS II). Since our thrust area has been identified as 'Understanding Colonial and Alternative Modernities in Travel and Life Writings in Assam' we hope to do sufficient work to establish a nodal Centre for Modernity Studies in India. I five years, we hope to have expanded and consolidated our foreign languages programmes by offering, for example, a degree programme in Chinese and certificate/diploma programmes in French and German.

4. The long term and short term goals and milestones that need to be achieved by your department/centre.
We need to become a research and teaching hub for English and foreign language studies in the Northeast. Long term goals would include a Centre for Modernity Studies in India would be a desirable milestone. Short term goals include the immediate introduction of certificate/diploma courses in German and French and a degree programme in Chinese.

5. Actions to be done and approaches to be adopted (perspective plans) in alignment with the strategic goals.
Our SAP project must be an active one, so that we have the expertise, experience and track record to justify setting up of the Centre for Modernity Studies in India. Additional courses (that is, apart from existing) to be developed in Chinese, French and German. Development of infrastructure (language laboratory, additional faculty).

6. Seeking commitment of people to the goals

Occasional stock taking and quality improvement meeting could be conducted at Departmental, School and University levels to remind all concerned about goals and to strengthen commitment.

7. Creating a support system including resource planning

Instructional, social and moral support will be provided to students through face to face, e-learning etc. Infrastructural support can be created by using our SAP-DRS II funds judiciously.

8. Mechanism for monitoring the progress

UGC bodies like SAP-DRS review committee, NAAC and the Tezpur University's own bodies (like IQAC, R&D Cell) are the means whereby progress can be monitored. A panel of subject experts can be constituted to assess the development of the department. Alumni can be associated to provide feedback.

Vision of the Department	A VIEW OF A PREFERRED FUTURE STATE; A FOCUS FOR DIRECTION OF EFFORT
Mission of the Department	The Department, which was established in 1994, aims to give instruction and carry out research in English Literature, American Literature, Women's Writing in English, Critical Theory, English Language Teaching and Linguistics. The thrust areas of research are: (1) Understanding Colonial and Alternative Modernities in Travel and Life Writings in Assam, and (2) Examining Asian and Indian Influences on Modern Assamese.
Objectives of the Department	1. Establishment of a nodal Centre for Modernity Studies in India through Life Writing and Travel Writing. 2. Separation of Linguistics from the Department of EFL. 3. Incorporation of foreign languages in our undergraduate and postgraduate programmes. 4. Development of our foreign language section. 5. Incorporation of new research components like Technology and Modernity, Print Culture etc in our research programmes.
Milestones achieved since inception	Detailed description of important events since inception (against years) (i) Introduction of MA English programme in 1997. (ii) Introduction of German Certificate Course in 2001. (iii) Introduction of Certificate Course in Chinese in 2003. (iv) SAP-DRS I awarded in 2009. (v) Introduction of MA in Linguistics and Language Technology in 2012. (vi) Introduction of MA in Linguistics and Endangered Languages in 2015. MoU signed with Army to enroll sponsored students in 2009 in Certificate Course in Chinese…..Renewed 2012. MoU signed with ITBP in 2013 to admit sponsored candidates in Chinese Certificate Course. MoU signed with Army to conduct exclusive, consultancy course in Chines. Centre for Enganfderd Languages established in 2014.

Strategic Priorities:

Priorities	Details	Measurement Criteria to judge Progress
Outstanding teaching learning and research	Have highly qualified and competent teachers, classroom infrastructure, use of ICT, working schedule for all academic and research programmes, scholarships and research fellowships, SAP-DRS,DST-FIST etc.	-Teacher student ratio -Placements -Investment per student in ICT and laboratory -Adherence to schedule -Success of students in external examinations -Publication, Indexing and Awards
Relevant and responsive curriculum (with thrust areas)	Specialization/elective courses/programme on Syntax, Cognitive Linguistics, Phonology, Field Linguistics, Computational Linguistics (as per demand analysis)	No. of placement of students having these specialization/ electives / programme
Outstanding facilities and resources	Create/set-up Language lab with modern facilities	Investment per student/researcher User hour Publication/patents based on these Revenue generation
Meeting employers' needs	Internship at Prospective employer's Organization Language training programme at Language Solution companies employer's requirement	No of participants Quantitative analysis of employer's feedback
Supporting local community	Consultancy, creation of educational aids, Training programme/Workshop Outreach programme	No. of events No. of beneficiaries Expenditure
Investing in people	FDP ICT Training Skills training etc. Start- up grant	No. of personnel trained Training days/person Employee satisfaction survey Organizing Seminar/ Workshop/ Conference etc.
Financial Strength	Research Funding Consultancy Student fees Self-supporting Programmes Other revenue generating activities	Amount from each
Internationalization	Programmes specifically designed to attract foreign students MoU and collaborative research, projects/programmes	No. of students to foreign Institutions No. of students from foreign Institutions Revenue generated Publication, Patents,

School of Humanities and Social Sciences
Linguistics & Language Technology Stream

Discussion in the Department/Centre Needed on the following issues:

1. **Critically analyzing the present scenario:**
   (i) The programme of MA in Linguistics and Language Technology began in 2012.
   (ii) The programme of MA in Linguistics and Endangered Languages has begun from Autumn semester, 2015.
   (iii) The department is also offering PhD in Linguistics. At present research scholars are working in the areas of syntax, cognitive linguistics, descriptive linguistics, computational linguistics, phonology etc.
   (iv) Over the last two years 1 student has received the Junior Research Fellowship from the University Grant Commission and 8 students have qualified in the UGC-NET exam.
   (v) Students have been actively taking part in field trips and are being trained in data analysis.
   (vi) The department also hosts academic projects.
   (vii) Improved infrastructure might trigger a faster and better growth.

2. **Visioning the future.**
   (i) Producing seminal work and carrying out serious research in Indian languages and Linguistics at large.
   (ii) Describing and documenting the languages of Northeastern India.
   (iii) Developing a conducive academic environment and promoting a platform for intellectual exchange in the international spectrum.
   (iv) Obtaining research fellowships and hosting projects in collaboration with international bodies.
   (v) To strengthen scholar exchange programmes.

3. **Try to see a desired future state that we would like to be attained after 5 yrs**.
   (i) The emergence of the Department of Linguistics as an independent department.
   (ii) Under the *Centre for Endangered Languages* which is about to begin operating, it is proposed that 10 languages should be documented by the end of next 5 years.
   (iii) Writing grammars and primers for lesser known languages.
   (iv) Sensitize language communities about Mother tongue based Language Education system in compliance with the national language policy.
   (v) Publish widely and host projects on various strands of theoretical linguistics.
   (vi) The department is expected to be engaged in various kinds of academic interactions and collaborations with echelon institutes of the country and abroad.

4. **The long term and short term goals and milestones that need to be achieved by your department/centre.**

Long Term Goals:
   (i)   Launching online archive of lesser known languages.
   (ii) Establishing a laboratory for cognitive and computational research.
   (iii) Publication of a number of volumes on theoretical works on Indian languages.
   (iv) Language maintenance and revival.
   (v)   Documentation of the socio-cultural and the historical aspects of the language and the community.

Short Term Goals:
   (i)   Producing grammars and dictionaries of lesser known languages.
   (ii) Awarding PhD to a number of research scholars.
   (iii) Taking up programmes for language and community development in Northeastern India.

5. **Actions to be done and approaches to be adopted (perspective plans) in alignment with the strategic goals.**
   (i)   Introducing 1 more MA programme (in linguistics and endangered languages), 1 diploma course and 1 certificate course along with the currently running MA in linguistics and language technology.
   (ii) Creating human resource.
   (iii) Hosting national and international seminars, conferences and workshops.
   (iv) Research publication in academic journals.

6. **Seeking commitment of people to the goals**
   (i)   The community concerned.
   (ii) The regional actors, the state governments and the local NGOs.
   (iii) The Ministry of Human Resource Development and other relevant government offices.
   (iv) International organizations and Universities such as UNESCO, SOAS, Max Planck Institute etc.

7. **Creating a support system including resource planning**
   (i)   Constituting expert panels to advice on various issues.
   (ii) Creating a pool of informants representing different languages.
   (iii) Developing a large multi-purpose database.

8. **Mechanism for Monitoring the progress**
   (i)   Formation of boards of evaluators for various evaluation tasks.
   (ii) Appointment of observers.
   (iii) Collecting feedback from language communities and academicians.

Vision of the Department	A VIEW OF A PREFERRED FUTURE STATE ; A FOCUS FOR DIRECTION OF EFFORT
Mission of the	The department seeks to promote an atmosphere of serious linguistic research

Department	in theory and practice. It is committed to contribute to the discipline theoretically and also to provide novel insights into Indian languages and cultures. The department is also working towards the cause of the preservation and revival of endangered languages. Each and every language embodies the unique cultural and historical wisdom of a people. The loss of any language is thus an irrevocable loss for all humanity. Hence the preservation of these languages are essential.
Objectives of the Department	May spell out around 5 objectives. It will also reflect the thrust area of the Department/Centre a. Contribute to theoretical and descriptive study of Northeastern and other Indian languages. b. Preservation and revival of endangered languages. c. Developing technological aids for Indian Languages. d. Generating human resource to cater to the need of the education system of the country. e. Preservation of the knowledge tradition of the language communities of NE India.
Milestones achieved since inception	Detailed description of important events since inception (against years) a. Awarded with UGC-SAP- II to the Department of EFL where linguistics research is also included. b. Hosting the project of Indian Languages Corpora Initiative (ILCI) Phase-2 (2012-2015) c. Hosting the Deity Project on Digital Language preservation (2013-2016) d. ICSSR project on Language Contact and Convergence, completed (2012-2014) e. Published books.

Strategic Priorities:

Priorities	Details	Measurement Criteria to judge Progress
Outstanding teaching learning and research	Have highly qualified and competent teachers, classroom infrastructure, use of ICT, working schedule for all academic and research programmes, scholarships and research fellowships, SAP-DRS, DST-FIST etc.	Teacher student ratio -Placements -Investment per student in ICT and laboratory -Adherence to schedule -Success of students in external examinations -Publication, Indexing and Awards
Relevant and responsive curriculum (with thrust areas)	Specialization/elective courses/programme on Syntax, Cognitive Linguistics, Phonology, Field Linguistics, Computational Linguistics (as per	No. of placement of students having these specialization/electives/programe

	demand analysis)	
Outstanding facilities and resources	Create/set-up Language lab with modern facilities	Investment per student/researcher User hour Publication/patents based on these Revenue generation
Meeting employers' needs	Internship at Prospective employer's Organization Language training programme at Language Solution companies employer's requirement	No of participants Quantitative analysis of employer's feedback
Supporting local community	Consultancy, creation of educational aids, Training programme/Workshop Outreach programme	No. of events No. of beneficiaries Expenditure
Investing in people	FDP ICT Training Skills training etc. Start- up grant	No. of personnel trained Training days/person Employee satisfaction survey Organizing Seminar/Workshop/Conference etc.
Financial Strength	Research Funding Consultancy Student fees Self-supporting Programmes Other revenue generating activities	Amount from each
Internationalization	Programmes specifically designed to attract foreign students MoU and collaborative research, projects/programmes	No. of students to foreign Institutions No. of students from foreign Institutions Revenue generated Publication, Patents,

School of Humanities and Social Sciences
Department of Mass Communication and Journalism

Vision of the Department	Become a frontier department in media and communication studies, training and research.
Mission of the Department	vi) Impart quality training and undertake research in emerging fields of communication and media through innovative mix of classroom and field-based pedagogy vii) Develop quality manpower for academics and profession and promote media entrepreneurship
Objectives of the Department	(i) Develop quality human resources in the form of faculty member-cum-researchers in these three priority areas – community media, development communication, corporate communication as a whole (ii) Develop individual faculty member's potential to the optimum in addition to the departmental objectives (iii) Exhaustive extension of academic learning for solving real life issues of the masses of the region by a judicious blending of field and classroom pedagogy (iv) Enhance the department's expertise to the level that it becomes essential to be inducted for any kind of consultancy in the field concerned in future both by government, civil society and NGOs alike (v) Create genuine human resources in terms of students for future problem-solving of the society (vi) Expand departmental facilities and expertise both in terms of human resources and equipment / infrastructure to life-long learning in addition to regular classroom teaching programmes
Milestones achieved since inception	Since inception in 2001 --- (i) Quite a handful of media and communication professionals have been generated engaged in senior positions in the industry cutting across establishments including universities (both state and central), government publicity (both state and union), public sector undertakings, private organizations, American Information Centre, NGOs etc. (ii) Linkages have been established with agencies / institutions / NGOs like UGC, ICSSR, NCSTC-DST, UNICEF for various grants for seminars, refresher courses, projects etc. (iii) Successful in establishing a high name of repute at the national academic scenario and specially in the NER (iv) One faculty had visited Ohio university, USA under the SUSI-2010

		programme, a US State Dept. initiative on competitive selection
		(v) V) Students have achieved awards, prizes at Eastern Zone and also National level youth festivals organized by Association of Indian Universities, Delhi

Strategic Priorities:

Priorities	Details	Measurement criteria to judge progress
Outstanding teaching, learning and research	Have highly-qualified and competent teachers, classroom infrastructure, laboratories, use of ICT, working schedule for all academic and research programmes, scholarships and research fellowships, SAP-DRS, DST-FIST etc.	(i) Our present panel of faculty members and technical staff are competent enough and experienced which is a strength for us. Though because of unavoidable circumstances, the dept. does not have a Professor at present though the process for selection and appointment is on. However, this has never been allowed to have been an obstacle in our pursuit of excellence and success. (ii) Present teacher-student ratio for all categories is ideal enough (iii) While campus placements was not a strong point of the department yet for the 2013-15 batch the zinx as broken and about 15 passing out students managed to get employment from campus itself. However, even for other students of earlier batches, most of the students managed to get a decent job on their own following the two-year long grueling course that they completed. But, encouraged by the recent success in campus placement we are putting an all out effort for expanding this even further. (iv) While we do have a good set up of laboratories and equipment, yet we do foresee an investment of about Rs 3 crore for next five years including a modern audio-visual studio and equipment for future usage as in this field, depreciation is quite high and every other day newer and modern equipment are coming to the market which we need to give to our students for making themselves familiar with them. We have made plans for applying for SAP under UGC and if awarded, some of these aspects can be taken care of from the grants to be received tentatively from this award. (v) In this regard we have plans to apply for an EMMRC of UGC which would address our problem to a big extent. (vi) We have been able to adhere to our schedules more or less. In about a year's time, all the members of the existing faculty

		strength shall be Ph d holders and we expect at leat 10 % of us to be enrolled for postdoctoral degree and to finish the same in about the next three year's time. (vii) Considerable number of students have been successful every succeeding year in external examinations like UGC NET-JRF and other competitive examinations (viii) This is an area that we were lagging behind a little bit, but we have made it a point to emphasize upon these indexes and definitely improve on these to the desired level in the next five-year period.
Relevant and Responsive Curriculum (with thrust areas)	Specialization / elective courses / programmes on (as per demand analysis)	The existing syllabus for MA MCJ is just about a year old which was already prepared with a futuristic view. Yet, in the near future we aim at launching a full-fledged MA course in Development Communication with support from UNICEF as for the next decade there would a heavy demand for jobs in this sector. Further, we plan to start courses (title, duration are to be decided soon) in animation and graphics as this is an area with a huge potential for jobs and self-employment. The door is open for accommodating any new course or curriculum as and when necessary for coping with changing demands scenario of the communication and media world. Efforts are also on for undergoing specific training for this purpose in the coming days.
Outstanding facilities and resources	Create / set up laboratories	As we are expecting a substantive support from UNICEF and UGC for establishing EMMRC and launching MA Development Communication course we plan to set up multipurpose laboratories and other facilities with state-of-the-art equipment for benefit of all concerned along with properly trained technical manpower. Further, a complete Community Radio set up is going to be established in the early parts of this period which would be a major achievement for the department.
Meeting employers' needs	Internship at prospective employers' organizations. Training programme as per employers' requirements	We are taking up concrete plans for taking up this through feedback about employers' requirements from the students' internship feedback which is a good source of knowing their requirements on a regular basis. We plan to aggressively market our expertise for such training programmes in this period. Nowadays, as the Board of Studies and other official forums need to have alumni representative, they are a good source of exchange of ideas between the employers and ourselves. We can also come to know if any improvement is needed in the existing and proposed new

		curriculum so that these can be accommodated.
Supporting local community	Consultancy, training programme, workshop, outreach programme	As mentioned earlier, this is one of our prime thrust areas. We have already carried out a few such programmes in the form of participatory communication programmes for local community's children which has been a major success. We plan to take up these activities under this category --- iv) Basic audio-visual programme production training for self-employment as well as a making community media programmes v) Outreach programmes for enhancing communication skills for any activity among the local community vi) Expose them to the interesting world of media and communication
Investing in people	FDP ICT Training Skills training etc. Start up grants	(v) At least one FDP planned for every year, (vi) At least two to four hands on training for Radio, Video programme making, new media skills mainly during longer vacation periods (summer and winter) (vii) At least one seminar / workshop / conference from various sources on different relevant aspects of the core areas of the department. (viii) Start up grants won't amount to much for the University authorities as we plan to tap agencies like UGC, ICSSR, UNICEF, Vocation Studies Directorate etc. for these skill-enhancing courses and programmes. Besides, some portion of the amount would also come from the participants' fees. Thus, the burden on the TU authorities would be at the minimum.
Financial Strength	Research Funding Consultancy Students fees Self-Supporting programmes Other revenue generating activities	We are planning to organize such programmes every year as mentioned in the column just above. Though we are not in a position to say approximately how much finances could be generated right now, yet it should be decent amount and with the minimum of burden to the university resources. We have already organized quite a few such programmes in the past and are confident of being able to get such grants in the future also.
Internationa lization	Programmes specifically designed to attract foreign	We have already submitted a plan for conducting / facilitating a few weeks of face-to-face extensive programme of teaching-learning for a programme of UNICEF on Development Communication being conducted by SW Scripps School of Communication, Ohio University,

	students MoUs and collaborative research projects / programmes	USA. This submission is a part of a highly competitive process for award of the contract for carrying out this activity, provided we are finally selected for the same. While the competition is tough with several front-running institutions in the race for the same, yet we are hoping to be successful because of a few unique aspects for our university. If successful, this would be our first and very important international collaboration and establish our status at the global level. In addition to this single effort, we are also actively looking towards exploring newer avenues for such collaborations for the future.

Set up in 2001, this department has risen from the grassroots level to the present statu by sheer hard work and initiatives of the faculty members since inception. The major strength of our department is the comparatively younger average age of the faculty members and their experiences in different areas of the overall domain of communication and media. As we are learning with time and experience,

School of Humanities and Social Sciences

Department of Sociology

Vision of the Department	A VIEW OF A PREFERRED FUTURE STATE; A FOCUS FOR DIRECTION OF EFFORT.
Mission of the department	The Department of Sociology at Tezpur University was established in 2006. The department is dedicated toward creating competent and socially sensitive graduates through rigorous teaching/training programmes and extension activities. The curriculum lays emphasis on the teaching and learning of general concerns of sociology as well as the issues of sociological significance in North Eastern India which constitutes a special focus of the teaching and research of the department. A combination of participatory, experiential and creative pedagogy is used for transacting the curricula with a view to fostering dialogue, mutual learning and critical reflection. The pedagogical practices also utilise an inter-disciplinary framework combining classical approaches in conjunction with emerging areas of research.
Objective of the Department/Centre	The department is guided by: • the humane ideals of social equity and justice in all its activities of teaching, learning and research; • the respect for freedom of expression and cultural, ideological and intellectual diversity; • the recognition of inter-linkages across teaching, learning, research and extension; • a participatory and creative pedagogy; • a spirit of team work; • a rigour, creativity and innovation in academic activities.
Milestones achieved since inception	• Masters programme was launched in 2006 and PhD programme in 2008. • 2014 first PhD was awarded. • 2015 department was awarded UGC SAP-DRS.

Strategic Priorities:

Priorities	Details	Measurement Criteria to judge progress

Outstanding teaching, learning and research	• Faculties have diverse specializations. • Class rooms are well equipped with multi-media projectors and PA systems. • Students are availing ICSSR PhD fellowships, UGC JRF. • In recognition of the potential for excellence the UGC has conferred SAP DRS in 2015 to the department.	• 10:35 (teacher-student ratio) • Students have been placed in different NGOs, Colleges, and Universities across North East. • The department ensures that the teaching scheduled as prescribed by the university is adhered to. • Students have qualified UGC NET/JRF, SLET, APSC etc.
Relevant and responsive curriculum (with thrust area)	• The department offers a compulsory course on Sociology of North East India examining the specific issues pertaining to the region. • Faculties are specialized in various areas: Sociology of Religion, Sociology of Science, Agrarian Studies, Sociology of Education, Sociology of Media, Sociology of Health and Illness, Sociology of Governance, Tribal Studies, Sociology of Exclusion and Inclusion, Sociology of Migration, Sociology of Movement.	NA
Outstanding facilities and resources	• Diverse research areas of the faculty members constitute key human resource of the department. • The department has set up a department library with reading facility for students to pursue their academic work.	See attached document Annexure 1 (List of Publication)
Meeting employer's needs	NA	NA
Supporting local community	• Academic lectures by faculty member in and around Tezpur University: Kaliabor College; Mahapurusha Srimanta Shankardeva Viswavidyalaya, Nagaon; LGBRIMH Tezpur; DonBosco	

	Socio Technical Institute; Tezpur	
Investing in people	• Workshops, Research Methodology, Seminars, Conferences	• See attached document Annexure II (List of workshops and seminars)
Financial Strength	• Self Supporting Scheme (SSS) five students every batch • Projects (52.77 Lakhs)	• Fees as per university fee structure • See attached document Annexure III (List on going and completed projects)
Internationaliza tion	NA	• Sharma, C.K. & I. Sarma. Issues of Conservation and Livelihood in a Forest Village of Assam. International Journal of Rural Management. Vol.10, No. 1, pp. 47-68, 2014 SAGE • Punathil, S. Kerala Muslims and shifting notions of religion in the public sphere. South Asia Research. Vol 33,No. 1, pp. 1-20, 2013. • Sharma, C.K. The Immigration Issue in Assam and Conflicts Around it. The Asian Ethnicity, *Routledge*. Vol. 13, No. 3, pp. 287-309, 2012.

Perspective Plan (Year-wise Timeline)

2016-17

Priorities	Proposed Activities	Expected Output	Funding	Mechanism to monitor the progress
Knowledge production	To conduct social science research on thrust areas of the department	To add value to the existing social science research.	UGC-SAP	Publication of research reports and journal articles:
	Strengthen the research activities of the research scholars through revisiting the modalities of research programme in the department	Rigorous research output within the stipulated time frame	NA	Publication of journal articles and presentations of research findings in departmental, national and international forums.
	Streamline the Masters level	Development of a pool of filed based	NA	Continuous evaluation as well as publishable

	research project in tune with the thrust areas of the department.	researched data of the region.		research reports.
Knowledge Dissemination	To conduct 1 National Seminar on the thrust area of the department	Knowledge dissemination and peer group exchange of ideas	UGC-SAP	Publication of conference proceedings and book.
	To conduct 1-2 National Seminar on the area of interest of individual faculty members	Knowledge dissemination and peer group exchange of ideas	ICSSR/ Developmen-tal Research funding agencies	Publication of conference proceedings and book.
Capacity Building	To conduct 1-2 National Workshop on social science research methods	Improve the social science research skill of the target groups	ICSSR	Evaluation and Feedback from the target groups.
Community Development	To conduct sensitization programme on 'Governance and Citizen Rights and Responsibilities'	To empower the community around the University campus	TU	Quality evaluation and feedback
	To conduct social survey in the neighboring village	To take stock of the socio-economic situation the local community, which can aid the University level community development initiatiove	TU	The area covered and the quantum of information generated.
Advocacy / Consultancy to the development research organization	Systematize the informal consultancy and advocacy to formal structure.	Strengthening the developmental research organization and development of the region.	Department can generate funds from the partner organizations.	Amount of fund generated and the number of organizations associated with the department
Memorandum of	To arrive at memorandum of	To strengthen the academic and	NA	Number of Memorandum of

Understandings with organizations / institutions	Understandings with organisations / institutions of repute.	research output of the department		Understandings with organizations / institutions.
Alumni Networking	Organise a special Alumni meet of the department on the eve of a decade of existence of the department.	To act an interface between the past and present of the department.	Alumni	Quality evaluation and feedback
Knowledge Sharing	To organize 2-4 Invited lecture by the eminent social scientists.	To enrich the academic ambiance of the University as well as capturing the academic space.	ICSSR/ TU	Number of programmes
Human Vistas Lecture series	To organize 4-5 Invited lecture by the scholars from the region	To enrich the academic ambiance of the department	TU	Number of programmes

2017-18

Priorities	Proposed Activities	Expected Output	Funding	Mechanism to monitor the progress
Academic review	Consultative workshop on Syllabus Review	Incorporate the recent development in sociology in the existing curriculum	UGC-SAP / TU	Quality review from the peer group
	Introduction of new elective courses.	Incorporate the emerging areas in sociology	UGC-SAP / TU	Quality review from the peer group
Knowledge production	To conduct social science research on thrust areas of the department	To add value to the existing social science research.	UGC-SAP	Publication of research reports and journal articles
	To facilitate individual research projects	To add value to the existing social science research.	UGC / ICSSR/ Develop-mental Research funding agencies	Publication of working papers, research reports and journal articles

	Research symposium for the research scholars and faculty with neighboring social science research centres	Develop synergy among the peer group in conducting academic research	Developmen-tal Research funding agencies	Collaborative works amongst the research scholars themselves and with other faculty
Knowledge Dissemination	To conduct 1 National Seminar on the thrust area of the department	Knowledge dissemination and peer group exchange of ideas	UGC-SAP / ICSSR	Publication of conference proceedings and book.
	To conduct 1-2 National Seminar on the area of interest of individual faculty members	Knowledge dissemination and peer group exchange of ideas	ICSSR/ Developmenta l Research funding agencies	Publication of conference proceedings and book.
Capacity Building	To conduct 1-2 National Workshop on statistical package on social sciences	Improve the social science research skill of the target groups	ICSSR	Evaluation and Feedback from the target groups.
Community Development	To conduct sensitization programmes on 'Child Rights'/ Public Health / Education	To empower the community around the University campus	TU	Quality evaluation and feedback
	Capacity building programme for the nearby schools	To improve the capacity of school teachers	TU	Quality evaluation and feedback
Advocacy / Consultancy to the development research organization	Development Organizations meet	Strengthening the developmental research organization and development of the region.	Developmenta l Research funding agencies	Number of collaborative works
Memorandum of Understandin gs with	To arrive at memorandum of Understandings with organizations /	To strengthen the academic and research output of the department	NA	Number of Memorandum of Understandings with organizations /

Priorities	Proposed Activities	Expected Output	Funding	Mechanism to monitor the progress
organizations / institutions	institutions of repute.			institutions.
Knowledge Sharing	To organize 2-4 Invited lecture by the eminent social scientists.	To enrich the academic ambiance of the University as well as capturing the academic space.	ICSSR/ TU	Number of programmes
Human Vistas Lecture series	To organize 4-5 Invited lecture by the scholars from the region	To enrich the academic ambiance of the department	TU	Number of programmes
Scholars in residence programme	To invite eminent social scientist to the department	To enrich the academic ambiance of the University as well as capturing the academic space.	TU	Publications and seminars

2018-19

Priorities	Proposed Activities	Expected Output	Funding	Mechanism to monitor the progress
Knowledge Hub	To emerge as a knowledge hub on Sociology of Northeast India	To act as a nodal centre for sociological research wherein the scholars from elsewhere can access the resources	UGC-SAP	Quantum of documentation on sociological research on Northeast India
Knowledge production	To conduct social science research on thrust areas of the department	To add value to the existing social science research.	UGC-SAP	Publication of research reports and journal articles
	To facilitate individual research projects	To add value to the existing social science research.	UGC / ICSSR/ Developmental Research funding agencies	Publication of working papers, research reports and journal articles
Knowledge Dissemination	To conduct 1 National Seminar on the thrust area of the department	Knowledge dissemination and peer group exchange of ideas	UGC-SAP	Publication of conference proceedings and book.

	To conduct 1-2 National Seminar on the area of interest of individual faculty members	Knowledge dissemination and peer group exchange of ideas	ICSSR/ Developmenta l Research funding agencies	Publication of conference proceedings and book.
Capacity Building	To conduct 1-2 National Workshop on social science research methods	Improve the social science research skill of the target groups	ICSSR	Evaluation and Feedback from the target groups.
Community Development	To conduct capacity building programme for the community leaders- training of trainers programme	To empower the community around the University campus	TU	Quality evaluation and feedback
	To conduct social awareness programme on Women's day / Human Rights day	To sensitise the local community	TU	Quality evaluation and feedback
Memorandum of Understandin gs with organisations / institutions	To arrive at memorandum of Understandings with organisations / institutions of repute.	To strengthen the academic and research output of the department	NA	Number of Memorandum of Understandings with organisations / institutions.
Knowledge Sharing	To organize 2-4 Invited lecture by the eminent social scientists.	To enrich the academic ambiance of the University as well as capturing the academic space.	ICSSR/ TU	Number of programmes
Human Vistas Lecture series	To organize 4-5 Invited lecture by the scholars from the region	To enrich the academic ambiance of the department	TU	Number of programmes

2019-2020

Priorities	Proposed Activities	Expected Output	Funding	Mechanism to monitor the progress
Academic review	Consultative workshop on	Incorporate the recent development	UGC-SAP / TU	Quality review from the peer group

	Syllabus Review	in sociology in the existing curriculum		
	Introduction of new elective courses.	Incorporate the emerging areas in sociology	UGC-SAP / TU	Quality review from the peer group
Knowledge production	To conduct social science research on thrust areas of the department	To add value to the existing social science research.	UGC-SAP	Publication of research reports and journal articles
	To facilitate individual research projects	To add value to the existing social science research.	UGC / ICSSR/ Developmenta l Research funding agencies	Publication of working papers, research reports and journal articles
Knowledge Dissemination	To conduct 1 International Seminar on the thrust area of the department	Knowledge dissemination and peer group exchange of ideas	UGC-SAP	Publication of conference proceedings and book.
	To conduct 1-2 National Seminar on the area of interest of individual faculty members	Knowledge dissemination and peer group exchange of ideas	ICSSR/ Developmenta l Research funding agencies	Publication of conference proceedings and book.
Capacity Building	To conduct 1-2 National Workshop on social science research methods / Issues	Improve the social science research skill of the target groups	ICSSR	Evaluation and Feedback from the target groups.
Community Development	To conduct sensitization programmes on 'Social Audit' / 'Women Empowerment'	To empower the community around the University campus	TU	Quality evaluation and feedback
	To emerge as a link between developmental organisations and local community	To mobilise external resources for the benefit of the local community	TU	Quality evaluation and feedback

Memorandum of Understandings with organisations / institutions	To arrive at memorandum of Understandings with organisations / institutions of repute.	To strengthen the academic and research output of the department	NA	Number of Memorandum of Understandings with organisations / institutions.
	Collaborative programmes with International agencies.	To improve the research potentials of the human resources in the department	International agencies	Number of programmes
Knowledge Sharing	To organize 2-4 Invited lecture by the eminent social scientists.	To enrich the academic ambiance of the University as well as capturing the academic space.	ICSSR/ TU	Number of programmes
Human Vistas Lecture series	To organize 4-5 Invited lecture by the scholars from the region	To enrich the academic ambiance of the department	TU	Number of programmes
Scholars in residence programme	To invite eminent social scientist to the department	To enrich the academic ambiance of the University as well as capturing the academic space.	TU	Publications and seminars

2020-2021

Priorities	Proposed Activities	Expected Output	Funding	Mechanism to monitor the progress
UGC-SAP Review	Identifying the thrust areas on emerging issues in Sociology of Northeast India	To avail the UGC-SAP DRS-II grant	UGC	Periodic reviews of UGC-SAP
Knowledge production	To conduct social science research on thrust areas of the department	To add value to the existing social science research.	UGC-SAP	Publication of research reports and journal articles
	To facilitate individual research	To add value to the existing social	UGC / ICSSR/ Developmenta	Publication of working papers, research

	projects	science research.	l Research funding agencies	reports and journal articles
	International Research Symposium of young researchers working on Northeast India	International resource sharing and networking	NA	Quality evaluation and feedback
	Streamline the Masters level research project in tune with the thrust areas of the department.	Development of a pool of filed based researched data of the region.	NA	Continuous evaluation as well as publishable research reports.
Knowledge Dissemination	To conduct 1 National Seminar on the thrust area of the department	Knowledge dissemination and peer group exchange of ideas	UGC-SAP	Publication of conference proceedings and book.
	To conduct 1 National Seminar on the area of interest of individual faculty members	Knowledge dissemination and peer group exchange of ideas	ICSSR/ Developmenta l Research funding agencies	Publication of conference proceedings and book.
Capacity Building	To conduct 1 National Workshop on social science research methods	Improve the social science research skill of the target groups	ICSSR	Evaluation and Feedback from the target groups.
Community Development	To conduct sensitization programme on 'Governance and Citizen Rights and Responsibilities'	To empower the community around the University campus	TU	Quality evaluation and feedback
	To conduct social survey in the neighboring village	To take stock of the socio-economic situation the local community, which can aid the University level community	TU	The area covered and the quantum of information generated.

		development initiatiove		
Memorandum of Understandings with organisations / institutions	To arrive at memorandum of Understandings with organisations / institutions of repute.	To strengthen the academic and research output of the department	NA	Number of Memorandum of Understandings with organisations / institutions.
Knowledge Sharing	To organize 2-4 Invited lecture by the eminent social scientists.	To enrich the academic ambiance of the University as well as capturing the academic space.	ICSSR/ TU	Number of programmes
Human Vistas Lecture series	To organize 4-5 Invited lecture by the scholars from the region	To enrich the academic ambiance of the department	TU	Number of programmes
Internationalisation	To organize academic exchange between international institutes of repute.	Capacity building of Human resources	International institutes	Number of exchange of programmes.

School of Humanities and Social Sciences
Department of Hindi

Vision of the Department	Keeping in mind the study of Hindi Language and Literature the department of Hindi will be developed as a model department not only in India but also in the world level.
Mission of the Department	1. To develop the human resource providing quality education in Hindi. 2. To develop and enrich the syllabi keeping in mind the new educational system. 3. To train and encourage in Hindi teaching-learning of Hindi teachers, research scholar both India and foreign countries.
Objectives of the Department	1. To promote Hindi in P.G. Classes 2. To develop the research potentiality of the students through Ph.D. programme. 3. To train the students for official hindi & translation through P.G.D.T. programme. 4. To encourage the employee of this university to learn official Hindi through Certificate course in official Hindi. 5. Those who are not acquainted with Hindi, they will be taught basic Hindi through the outreach Hindi programme. Especially the non-Hindi speaking employees and people of the neighboring villages are offered this especial programme.
Milestones achieved since inception	The department has provided training in Hindi to the employees in years below : 1. Ten employees of this university were admitted to certificate course in official Hindi in year 2010. 2. In the year 2011 same no. of employees were also admitted for this programme. 3. Since the inception of the Department, One student is employed as faculty in the collage, Two have been appointed as teacher the government school, one has been appointed as Translator and one is appointed as a Hindi officer. 4. We have received special grant of Rs. 54 lacks for the development of the department and one post of Associate professor and two post of Assistant professor.

Strategic Priorities :

Priorities	Details	Measurement Criteria to judge progress

Outstanding teaching learning and research	Have qualified, dedicated and competent teachers from diverse academic disciplines, classroom infrastructure, laboratories, use of ICT, working schedule for all academic and research programmes, scholarships and research fellowships,SAP-DRS,DST-FIST etc . :
	
	The department is having highly qualified & competent teachers, teaching classrooms, infrastructure and research programmes.
		Teacher student ratio : Ph.D = 3:1
		                                    M.A = 1:4
		                                    PGDT = 2:4
		Placements : Ph.D. = 80%
		Publication (Research paper, Books & Cheater in book) : 69 (2011-15)
		Award: Hindi Savi Saraswati Samman to Prof. A.K. Nath.

Relevant and Responsive Curriculum (with thrust areas)	Specialization /elective courses/ programmes on Gender Studies Film Studies and Heritage Studies (as per demand analysis) : Specialization : Folklore,Hindi Language & Literature, Comparative study.	Six Students got placement having these Specilization(Folklore,Hindi language & Linguistics, Comparative study).
Outstanding facilities and resources	Create / set up laboratories : NIL	Investment Per student/researcher user hour : 6-8 hours.
Meeting employers' needs	Internship at prospective employers' organizations. : NIL Training programme as per employers' requirements : NIL	No of participants Quantitative analysis of employer's feedback : NIL
Supporting local community	Consultancy, training programme,/workshop, outreach programme :	Hindi Outreach Programme : No. of events : 05 No. of beneficiaries : 24

	Hindi Outreach Programme	
Investing in people	FDP ,ICT Training ,Skills training etc. Startup grants : NIL	Organized : Workshop : 01 National Seminar : 02
Financial Strength	Research Funding Consultancy Students fees Self-Supporting programmes Other revenue generating activities :	Self-Supporting programmes : 05 Fees : As per university fee structure
Internationalization	Programmes specifically designed to attract foreign students MoUs and collaborative research projects / programmes : NIL	No. of students to foreign institutions : NIL No. of students from foreign institution Revenue generated publication, patents : NIL

School of Humanities and Social Sciences

Department of Social Work

Vision of the Department	The creation of a just and equal society which ensures freedom from all forms of oppression and exploitation.
Mission of the Department	To develop human resources for competent and effective professional social work practice, teaching and research with diverse range of individuals, groups and communities by using a framework of social justice and human rights focused on sustainable and participatory development.
Objectives of the Department	(i) To impart education and training in Professional Social Work in order to provide human resources in the fields of social welfare, development, and allied areas. (ii) To help students develop knowledge, skills, attitudes and values appropriate to the practices of social work profession. (iii) To enable students to develop critical thinking and the ability to apply theory to field experience. (iv) Evolve an interdisciplinary perspective to enhance understanding of social problems and development issues.
Milestones achieved since inception	2014-2015 - First batch of fourteen students admitted

Strategic Priorities

Priorities	Details	Measurement Criteria to judge progress
Outstanding teaching learning and research	-Highly qualified and competent teachers -Faculty Members with diverse areas of research interest -Intensive concurrent field work practicum -Compulsory internship during summer and winter break	-Teacher student ratio -Placements -Adherence to schedule -Success of students in external examinations -Publication, Indexing and Awards
Relevant and responsive curriculum (Community Development, Medical and Psychiatric Social Work)	Specialization/elective courses/programme on Urban Community Development, Rural and Tribal Community Development , Community Health, Social Work and Mental Health, HIV and Social Work Practice	No. of placement of students having these specialization/electives/programme
Outstanding facilities and resources	Create skill development lab and counseling centre	Investment per student/researcher User hour Publication/patents based on these Revenue generation
Meeting employers' needs	-Soft skill development training - Internship at prospective employer's organization -Training programme as per employer's requirement	-No of participants -Quantitative analysis of employer's feedback
Supporting local community	-Two semester of concurrent field work practicum in the community - Two semesters of concurrent field work practicum with grassroots organizations working in the community -Consultancy, Training programme/Workshop Outreach programme	-Critical and Innovative interventions by the students in the community -No. of events No. of beneficiaries Expenditure
Investing in people	FDP ICT Training Skills training etc. Start- up grant	No. of personnel trained Training days/person Employee satisfaction survey Organizing Seminar/Workshop/Conference etc
Financial Strength	Research Funding Consultancy Student fees Self-supporting programmes Other revenue generating activities	

Detailed Perspective Plan

Priority Area	2016-17	2017-18	2018-19	2019-20	2020-21
Outstanding Teaching Learning and Research	-Increase the intake of M.A. Social Work programme from 15 to 20 -Initiate Research Projects	-Initiate PhD programme -Increase the intake of M.A.in Social Work programme from 20 to 25	-Increase the intake of M.A. Social Work programme from 25 to 30	Initiate and Strengthen research programmes	Initiate Integrated M. A. programme in Social Work
Relevant and responsive curriculum (Community Development, Medical and Psychiatric Social Work)	Introduce specialization on Urban Community Development, Rural and Tribal Community Development	Introduce specialization in Health and Social Sciences	Introduce specialization in Family and Child Welfare	Introduce specialization in Occupational Social Work	Introduce specialization on disaster management
Outstanding facilities and resources	Establish skill development lab for M.A. Social Work students	Establish research lab for M. A. Social Work students	Establish counseling skill training programmes for M.A. Social Work students	Establish Human Resource Trainers Training skill development programme for M. A. Social Work students	Establish social entrepreneurship development programme for M. A. Social Work students
Supporting local community	Strengthening the linkage between local community and Department through various training and awareness generation programmes	Establish career counseling centre for students of the University and Community	Establish social entrepreneurship development centre	Diversify the programmes of counseling centre to include family counseling	Take up action research projects

School of Humanities and Social Sciences

Department of Education

Vision of the Department	To prepare humane and professional teachers and teacher educators to serve nation's school system, teacher education and society as well.
Mission of the Department	- Establish Department as Centre of Excellence for Pedagogy, curriculum and research. - Develop perspective teacher's ability to face challenges of facilitating the development of critical and creative students. - Develop sensitive, competent and professional teacher educators - Take steps towards vocational teacher preparation - Train the student with hands on experiences on different aspects of education with the help of different labs & school visit - Use latest technologies for teaching and learning - Enhance the creativity of students and to encourage aesthetic sense - Conduct classroom related research
Objectives of the Department	- Provide opportunity for Holistic development of Teachers, Students and would be Teacher Educators - Provide diverse learning situation through differential Instruction - Repertoire of Pedagogical Skills - Create inclusive classroom with friendly and fearless environment for better student engagement. - Encourage creative and critical thinking among the students by providing space in the institution using team work. - Provide inter linkages across educational institutes, community, society and placement agencies through innovative pedagogy. - Promote the practice of lifelong learning among the teacher and teacher educator for ensuring effective teaching. - Encourage students to practice teaching profession by practicing ethical code & standards according to the needs of the society

	• Sensitivity to contemporary issue and problem exist in the society

Milestones achieved since inception	• Four Year Integrated (B.A. B.Ed & B.Sc. B.Ed.) innovative programme with Four Major courses: Physics, Chemistry, Mathematics, English started in 2014-2015
	• M.A Education started in 2015-2016.
	• Ph.D program in Education started in 2015
	• Got Teaching Learning Centre (TLC) under PPMMMNMTT Scheme sponsored by MHRD for the year 2015-2017, under TLC:
	  ✓ Organized three days workshop on Instructional Skills (28-30 Jan, 2016)
	  ✓ Organized Ten days workshop on Research Methodology (15-24 Feb, 2016)
	  ✓ Organized Three days National Seminar on Innovative Pedagogy and Effective Teaching Learning (14-16 March, 2016)
	• Three CBCS highly demanding course started in Spring 2015, such as
	  ✓ ED 112: Value Education
	  ✓ ED 110: Education Management
	  ✓ ED 111: Right to Education
	• CBCS foundation course started in Spring 2016 on ED 113: Professionalism in Teacher Education for Education Students to develop professional ethics.

Strategic Priorities:

Priorities	Details	Measurement Criteria to Judge progress

| Outstanding Teaching Learning and Research | • Highly qualified & competent teachers with diverse specializations i.e.
  ✓ Language Education
  ✓ Science Education
  ✓ Mathematical Education
  ✓ Social Science Education
• Comprehensive & updated curriculum for
  ✓ Four year Integrated B.A B.Ed / B.Sc B.Ed
  ✓ MA in Education
  ✓ Two year B.Ed.
  ✓ Ph.D program in Education
• Advanced Psychology Laboratory with updated apparatus and new tools for research and guidance
• Curriculum Laboratory including (Mathematics & Science), Language Lab and ICT Lab to have hands on practice for improving pedagogical skills.
• Art & Craft Resource centre to encourage art & aesthetic sense amongst the students
• Organize workshop, seminar on Innovative themes for teachers as well as students | • Publication on highly reputed journal with high index citation
• Success of Students in academic activities
• Adherence to schedule
• Experiments done by students in different labs & field
• Ensuring Pedagogical skills by providing opportunity to work in field (school & community)
• Teacher-Student ratio:
  ✓ Integrated B.Ed (1:25)
  ✓ MA Education (1:23) |
| Relevant and responsive curriculum (with thrust areas) | • Offer more Pedagogical courses and specialization in
  ✓ Four year Integrated B.A B.Ed / B.Sc B.Ed such as
    o Language Education,
    o Biological Science Education,
    o Mathematical Education
    o Social Science Education
  ✓ MA in Education such as
    o Special Education,
    o Education Administration Planning & Financing,
    o Educational Guidance and Counseling
    o Open & Distance Learning
  ✓ Two year B.Ed such as
    o Language Education | • Feedback from experts, academicians, employer, students etc.

• Nature of Employment (Requirement of Schools and Teacher Education Institutions) |

	○ Biological Science Education ○ Mathematical Education Social Science Education ✓ and specialization papers such as ○ Peace Education, ○ Guidance & Counseling ○ Environmental Education • Need based papers ICT and Yoga Education	
Outstanding facilities and resources	• Smart Classroom • Psychology Lab • Curriculum Lab • ICT Lab • Art & Craft Lab • Multipurpose Hall • Seminar Hall • Departmental Library & Reading room	• By Assessment of Educational Skill, knowledge among students at the end of semester
Meeting employers' needs	• Practical oriented curriculum • School Internship program	• Feedback from teacher • Feedback from employer • Feedback from stake holder
Supporting local community	• Exposure to social work through school based activities • Understanding the grassroot level educational problems through conducting various awareness program in schools & community • In-service Training program, delivering lectures, outreach programme, etc	• No. of Events • No. of beneficiary expenditure
Investing in people	Workshop/ seminar/ symposium / orientation program/ refresher program	• No. of Beneficiary trained (275 teachers as well as students from January to March, 2016) • No. of program attended by the faculty members (27) from September, 2014 to till • No. of program organized (3 program from January to March, 2016)

Financial Strength	• Grant from TLC • Research Funding • Student Fees • Self-supporting program fees • Other revenue generating activities like registration fees of various programs • Subscription fees from Departmental Journal	Amount from every head ✓ TLC fund Rs. 2.51 crore for the year 2015-2016 and Rs. 3.50 crore for the year 2016-2017 ✓ Fund from Self Supporting program (Rs. 1.60 lacs) for the year 2015-2016
Internationalization	• Organization of international conference / seminars/ workshop • Publishing research papers in the high quality Journals • Collaboration with other reputed organization and enriching high quality research work • Intake of foreign Ph.D scholar	• No. of beneficiaries including foreign beneficiaries • No. of Publication in high quality Journal individually • No. of International Research Scholar for Ph.D program - 01 • No. of students exchanged for collaboration works through exchange program

Indicative timeline for achieving stipulated objectives:

2016-2017:

- Offer Two year B.Ed. program
- Improvement of Classroom facilities
- Laboratory upgradation
- Intake for Ph.D program will increase
- TLC 2nd phase & 3rd phase program will organize
- Publication of departmental Journal
- Publication of handbooks and proceeding of seminars
- High quality Individual research paper publication
- Preparing the curriculum for part-time B.Ed.
- Recruitment of more faculty & staff

2017-2018:

- Research grants & research collaboration
- Offer Part-time B.Ed program.
- TLC 3rd and 4th phase programmes will organize
- Conduct International seminar
- Publish 2nd issue of departmental Journal
- Offer 2 year M.Ed. program

2018-2019:

- Upgradation of TLC into HRDC
- Continuation of curriculum revision of all the courses
- Raising Research Grants
- Preparing for the SAP-DRS Project
- More research collaboration
- More no. of Ph.D research scholars

2019-2020:

- Raising Research grants Individually
- Raising Research Collaboration
- Prepare for DRS -1
- Preparation for Special Education and Physical Education teachers training programme.

2020-2021:

- Grant from DRS -1
- Organize International Conference
- Revision / improvement of syllabus according to the need of students.
- Laboratory up-gradation to meet Social and Industry requirements

School of Management Sciences
Department of Business Administration

Vision

To be a coveted world class knowledge hub of management education for creating socially responsible global citizens.

Mission

Educating manpower to meet global managerial requirements and promote entrepreneurial culture and sustainable development.

Objectives of the Department

To offer academic and research programmes in management and allied disciplines.

To offer continuing education programmes at different levels in the field of management.

To provide opportunity to students to acquire skills for improving employability and entrepreneurial abilities.

To engage in collaborative academic and research activities with domestic and international partners.

To undertake consultancy, research and extension activities with a focus on sustainable development.

PEO & PO

Master of Business Administration

Programme Educational Objectives:

1. To provide strong academic foundation on management with interdisciplinary focus.

2. To prepare managers for global business world

3. To develop analytical and critical thinking skills among the learners

4. To imbibe professionalism with the sense of social responsiveness

Programme outcome:

1. Ability to synthesise business information and systematise the thinking process for effective business decisions

2. Ability to discharge management role in global environment

3. Ability to work in multi-disciplinary teams

Post-Graduate Diploma in Tourism Management (PGDTM)

Programme Educational Objectives:

1.   To offer functional level knowledge and expertise in tourism sector

2.   To equip learners to take up tourism entrepreneurship

3.   To provide practical exposure enabling learners to work in multi-cultural environment.

Programme outcome:

1.   Ability to carry out operational role in tourism sector

2.   Ability to take up entrepreneurial venture

3.   Strong academic understanding to proceed for higher education and training in tourism sector.

Master of Tourism and Travel Management (MTTM) (to be started from Autumn,2016)

Programme Education Objective (PEO):

1.   To impart knowledge and training required for professionals in tourism Sector

2.   To equip youth for small business development and tourism entrepreneurship.

3.   To deliver sectoral and interdisciplinary education related to tourism studies.

Programme Output (PO): Going by the mandate of the University regarding upliftment of the local community using locally available resources, this programme is designed to create a pool of manpower with-

1. Ability to develop and operate tourism products independently.
2. Ability to start and/or run an independent business related to tourism especially in the north eastern region of India with adequate managerial skills.
3. Ability to manage a destination in a sustainable way.
4. Ability to contribute academically in tourism studies and research

Awards and Achievements of the department (Last five years):

1. **Ranked 27th** among all India Management Institutes in the **NIRF ranking 2016** under All India Management Category.

2. The 7th Chronicle B-School Survey-2016 conferred "**A**" Category to the Department of Business Administration, Tezpur University and included among the **Top 5 Business School in East India**
3. Rating **A** by Chronicle B-school survey 2015 and ranked among **Top 10 B-school** of the Eastern Region
4. Bureaucracy today business school ranking award in the category of **Best Placement in North East Region in 2013**
5. The Department was rated **A3 by AIMA** in the year 2012
6. The Department was awarded the **3rd Asia's Best B-School Award** for its innovation in teaching methodology in 2012
7. Awarded Special Assistance under **UGC –SAP DRS 1** for the period 2011-2016

Milestones achieved since inception:

1995   MBA program introduced

1996   First placement of MBA students

1997   Two visiting faculty from IIM Kolkata

        First workshop organised

1998   First industry-institute-interaction

organised in Guwahati

        MBA(part-time) introduced

        First batch of PhD' s registered

1999   First consultancy from Nedfi

        Internet connectivity

2000   Project from IGIDR

2002   Indo-Shastri Canadian fellowship

2003   PGDTM introduced

2004   British Chevening Fellowship

        First refresher course

2005   International teaching assignment at AIT

2007   First National Grading

2010   Moved to permanent building

2011 Awarded UGC –SAP DRS 1

Strategic Priorities:

A) Teaching, learning , Research

Programme and curriculum developed as per AICTE and UGC guidelines keeping in mind the industry requirements. Well qualified doctorate faculty members with varied backgrounds and international exposure. Present teacher student ratio of 1:10.

Final Placement facilitated by campus from 2012 to 2015 was 90%, 73%, 76%, and 70% respectively.

APPLICATIONS RECEIVED

	APPLICATIONS RECEIVED
2014	410
2013	685
2012	735
2011	570
2010	640
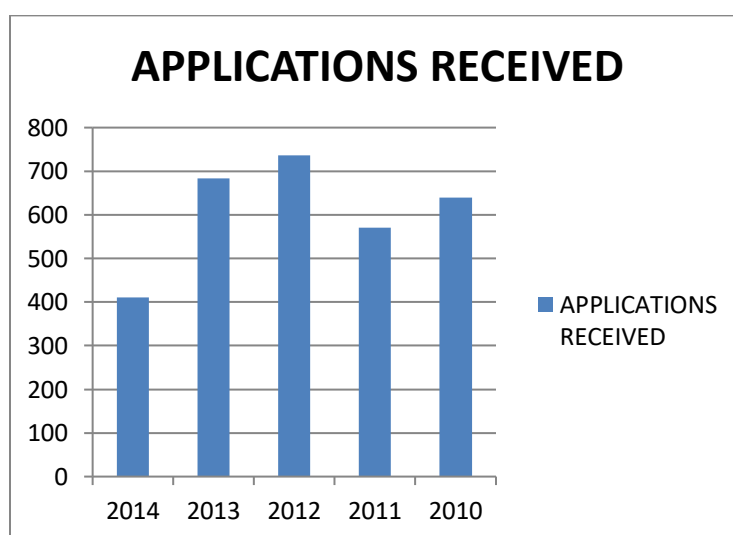
75% of students are freshers and about 70% to 80% students are from Assam or within NE region.

On an average the students who join here have more than 60% marks in the last qualifying exam.
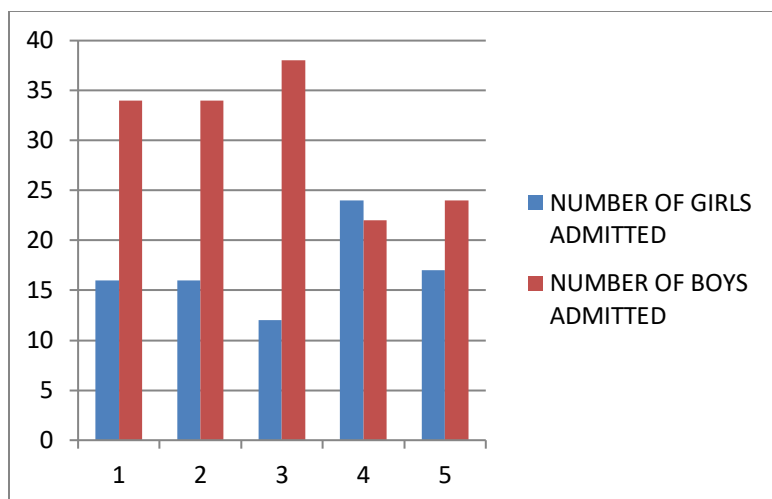
1 = 2014   2 = 2013   3 = 2012   4 = 2011   5 = 2010
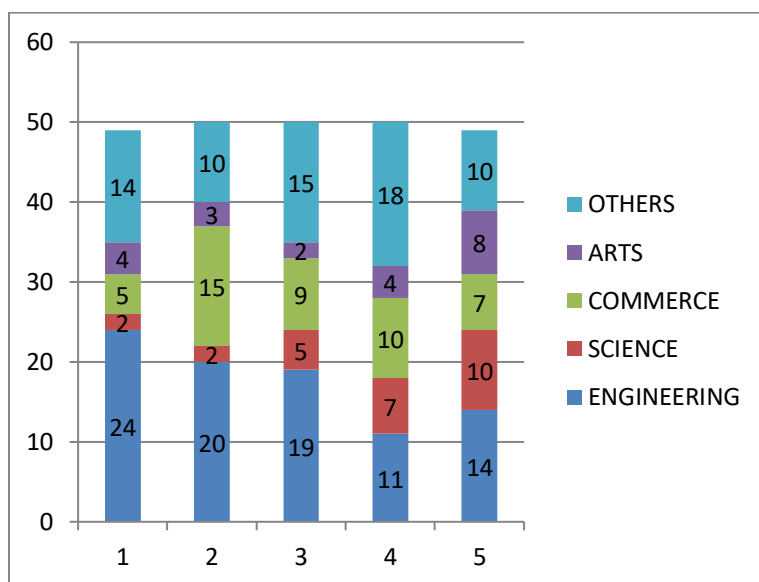
Less than 5% of students opt for NET/JRF , PO , or Civil Service exams.

B) Relevant and responsive curriculum

Four specialisations are offered, viz. Finance, HRM, Marketing and Operations. Students are offered dual specialisation with foreign languages as a part of the curriculum. Industry visits, Summer Internship Project are integral part of the curriculum. Lecture, case studies, games, group discussions, group assignments, presentations etc. are combined for delivery of the curriculum.

C) **Facilities and Resources:** Well-equipped computer lab with 25 computers and LAN, internet connection with access to online journals and databases are available freely for the students and research scholars. Department has wi-fi facilities .

Research output is on the increase, 5 times increase over a ten year period.

D) Meeting employers' needs

Feedback sought from summer internships done in various organizations. Feedback is almost always positive. There is repeat visit from recruiters which reflects the good performance of our alumni.

E) Supporting local community

Managerial training programs are conducted both on and off site. About 90 persons were trained during 2014-15.

F) Investing in people

Faculty encouraged to attend refresher/orientation programs.

Seminars/conferences organised.

G) Financial strength

Apart from funding from UGC, reasonable research and consultancy funding available.

H) internationalisation

No internationalization of the existing programs and foreign MoUs.

What is envisaged for the future?

Master of Tourism and Travel Management programme is on the anvil. The MBA program is to be revised in the line of changed business environment and emerging demand in the job market. Industry collaborated programme and collaboration with reputed foreign Universities planned to done in next three years' time.

More collaborative research and consultancy work is planned.

School of Management Sciences

Department of Commerce

Vision of the Department	TO EMERGE AS A CENTRE OF EXCELLENCE BY EXPLORING NEW FRONTIERS IN KNOWLEDGE, RESEARCH AND INNOVATIVENESS IN COMMERCE EDUCATION
Mission of the Department	• To impart universal quality education using modern tools and extensive use of ICT for development of professional qualities among students and offering them an environment best suited for learning. • To introduce MOOC. • To build a pool of competent, dedicated and qualified teachers. • To explore possibilities of academic-industry interface and global tie-ups to make students industry ready. • To bring in projects for facilitating quality research in the area of commerce. • Enhancing the intellectual capabilities of the students to enable them to act as think-tank for the future. • To continuously analyse the changes and advancements in the academics and industry and to design and implement new programmes matching the need of the hour.
Objectives of the Department	• To make students industry ready through continuous interface and use of ICT. • Encouraging and inculcating requisite skills that will make the students industry ready. • To maintain a healthy relationship with professionals from the industry. • Continuous improvement in the curriculum to meet the changing needs. • To keep the students abreast with the changes taking place in the discipline at the regional, national and international level. • To provide state of art research facilities to students, research scholars and faculties for coping with the recent advancement in the field of commerce. • Encourage students to take initiative in Community Development Programme and thereby providing them an opportunity for application of their acquired skills for problem solving of the local people.

Priorities	Details	Measurement criteria to judge progress
Outstanding teaching, learning and research	Qualified and competent teachers in the department and continuous support from highly experienced faculties from the Business Administration department. Extensive use of ICT Enormous potential for quality research in near future.	Teacher student ratio to be 1:3 Majority of the students to be placed in industry 100% success of students in external examinations
Relevant and responsive curriculum (with thrust areas)	Well-designed curriculum with specialization in Accounting & taxation and Banking & Finance is offered presently. New and varied specialization to be introduced based on demand analysis	
Outstanding facilities and resources	Set up a lab exclusively to impart training regarding operation of various software relating to accounting, taxation, finance, banking, investment analysis, research etc.	
Meeting employers' needs	Need for signing MoU's with different industries after knowing their exact requirement based on areas of specialization offered and training the students accordingly.	
Supporting local community	At least one Community Development Programme to be held in each semester whereby students will have to exercise their decision making and problem solving skills for the betterment of the community	No. of events :-Min 2 each year
Investing in people	• To develop the teachers and their skills through Refresher courses, Orientation Programmes and other Faculty Development Programmes • Startup grant of Rs. 50,000 can be provided to the students having a viable business plan, for encouraging their entrepreneurial skills.	

School of Management Sciences

Centre for Disaster Management

1. **Parent organization:** Tezpur University.

2. **Name of the Centre:** Centre for Disaster Management.

3. **Genesis:** The Centre for Disaster Management was established in the year 1997 under the central sector scheme of National Disaster Management (NDM) Division of Ministry of Agriculture and Cooperation, Government of India. The scheme on NDM had subsequently been transferred to the Ministry of Home Affairs, Government of India during 2002. Until 2012, the Centre had been receiving grants from Ministry of Home Affairs, Government of India through National Institute of Disaster Management, New Delhi. At present, the Centre is functioning directly under Tezpur University.

4. **Vision:** To be a premier Centre for training, education and research on disaster risk mitigation and management of North-East India and contribute in disaster risk mitigation of this region.

5. **Mission**
    To generate skilled manpower and improve personal management skills of all stakeholders to cater the likely needs of trained personnel in government and other organizations.
    To assist government agencies and policy makers in location and hazard specific risk assessment and risk reduction planning.
    To create a suitable environment by inducting adequate manpower, infrastructure and facilities to achieve following objectives,
    *   to introduce optional courses at UG and PG levels as per mandate of MHRD and UGC.
    *   to start post graduate programmes at PG level.
    *   to conduct training, workshop, awareness programmes for all stakeholders.
    *   to conduct case studies, research work and documentation.
    *   to extend academic support to other organisations.

6. **Brief notes on activities undertaken (1997 – 2014)**
    *   Organised one International Conference on Disaster Management.
    *   Conducted 52 short term training programmes on different aspects of Disaster Management for different target groups, independently or in association with other organisations.
    *   Conducted 26 training programmes for school and college students.
    *   Organised 7 workshops independently or in association with other organsations.
    *   Prepared 2 reports on flood hazard of Sonitpur District based on field work.
    *   Water Resources Department of Tezpur in collaboration with the Centre prepared Jia Bharali erosion control project based on recommendations of river expert committee.

- Published a handbook on disaster management.
- Started one Post Graduate Diploma Programme in association with Department of Environmental Sciences under Distance Education Programme of the Tezpur University.
- Introduced CBCT courses at UG and PG levels as per directives of MHRD and UGC.
- Extended academic supports to district administrations of Assam in conducting training programmes.
- Participated in our-reach programme of the Tezpur University.

7. Strategic priorities

Outstanding teaching learning and research

Present status	Goal to achieve by 2021
The Centre has only one Assistant Professor, who is involved in all types of activities mentioned under **section 6.** Yet, the Centre does not have its own infrastructure and facilities to conduct different activities. But, the Centre has been conducting CBCT courses, PGDEM programme, trainings, workshops, and other activities using facilities of other departments. The Centre has also been using available ICT facilities of the University in conducting different programmes.	The Centre aimed to enhance its capacity in terms of; manpower *(at least one Professor, two Associate Professors, two Assistant Professors, one Instructor/Technical Assistant and other office staff)*, Infrastructure *(class room, faculty rooms, computer/GIS-RS laboratory, display room etc.)*; and other required facilities; to start regular PG programmes, case studies, documentation, short term self-sponsored programmes along with existing activities, as per objectives of the Centre.

Relevant and responsive curriculum and *(with thrust area)*

Present status	Goal to achieve by 2021
As per directives of MHRD and UGC, the Centre introduced CBCT / optional courses at PG and UG levels. The syllabi of the courses are prepared based on model syllabus of UGC and recommendations of subject experts. The Centre is also conducting PG Diploma in Environmental Management in association with Department of Environmental Sciences under distance education programme. The major thrust area of these programmes is environmental / disaster risk mitigation.	The Centre intended to introduce at least one PG programme on disaster management and start short term self-supported programmes on different aspects of disaster risk mitigation by 2018-19, in addition to existing courses/programme, subject to recruitment of required manpower and enhancement of basic infrastructure and facilities.

Outstanding facilities and resources

Present status	Goal to achieve by 2021
The Centre does not have required manpower and facilities to start collaborative works, consultancy and revenue generating programmes.	The Centre aimed to develop required infrastructure and facilities along with recruitment of subject experts, to start self-sponsored short term programmes on differene aspects of disaster risk mitigation, case studies, hazard mapping of vulnerable areas and documentation by 2018-19.

Meeting employers' needs

Present status	Goal to achieve by 2021
To cater likely needs of trained personnel in government and non-governmental organisations, the Centre has been organizing trainings and workshops on different aspects of Disaster Management for different target groups, as mentioned in **section 6**, under the aegis of NIDM and Government of India. As per norms of Government of India, the Centre maintained the intake of participants 25 – 30 per training programme/workshop. The feedbacks of the participants suggest, the Centre should conduct short term programmes (10-15 days) on practical aspects of disaster risk mitigation along with trainings and workshops.	The Centre targeted to start short term courses on practical aspects of disaster risk mitigation viz, application of geoinformatics in disaster risk management, earthquake and flood risk mitigation etc. mainly for government employees of concerned departments, members of non-governmental organisations, teachers and vulnerable communities living in hazard prone areas of Assam.

Supporting local community

Present status	Goal to achieve by 2021
The faculty member of the Centre has been extending academic support to the University for conducting its outreach programmes. Moreover, the Centre has organized as many as 26 training-cum-awareness programmes in different schools of Sonitpur District on earthquake and flood risk mitigation. More than 1300 school students participated in these programmes. The expenditure incurred was not more than 4000/- per training programme. The Centre also conducted few awareness programmes and mock-drills for vulnerable communities and non-governmental organisations.	The Centre aimed to increase the number of such community based training and awareness programmes on practical aspects of disaster risk mitigation by 2018-19 based on faculty strength, facilities and fund position of the Centre.

Investing in people

Present status	Goal to achieve by 2021
One international conference on disaster management was organized in 1998. More than 200 participants from 13 countries participated in this conference.	In view of present disaster scenario and needs of different organisastions of North East India, the Centre may go ahead with more self-supporting/short term programmes, conferences, and workshops on relevant fields of disaster management by next three years, depending on availability of expertise in the Centre.

Financial strength

Present status	Goal to achieve by 2021
The Centre is not involved in revenue generating activities. The ongoing activities are either Government sponsored or routine programmes of the University.	The Centre needs to develop basic infrastructure and appoint more faculty members to start revenue generating activities within next two years.

Internationalization

Present status	Goal to achieve by 2021
Yet, the Centre does not have any such programme.	On appointment of more faculty members, the Centre may take initiative towards such programmes / projects / activities.

8. **Strategic plan**

2016-17
- To continue existing CBCT/optional courses for the students of other departments and PGDEM under distance education programme of Tezpur University with existing faculty.
- To conduct 5-10 training and awareness programmes at schools/colleges of Sonitpur district.
- Process for creation of posts and recruitment of new faculty and staff. This may include one Professor / Associate Professor; one Associate Professor / Assistant Professor; one Instructor / Technical Assistant. Area of expertise for faculty positions may be application of geoinformatics in DM, earthquake resistant structures, environment and flood management, disaster risk management, HRD etc. Practical knowledge on emergency response and safety norms may be prime criteria for recruitment of Instructor / Technical Assistant.

2017-18
- To continue CBCT/optional courses for the students of other departments and PGDEM under distance education programme of Tezpur University; training and awareness programmes for vulnerable communities and students.
- Advertisement for sanctioned faculty and staff positions; recruitment of faculty and staff.

- Process for creation of more faculty positions.
- Process for creation of infrastructure (class rooms/faculty rooms/laboratories/office room/display room/lounges for faculty and students etc.), procurement of equipment, computer, software, tools and kits.
- Development of curriculum for PG and short term self-sponsored programmes based on faculty strength.
- Planning for case studies and documentation based on faculty strength and their field of expertise.

2018-19
- Continuation of CBCT/optional courses for students of other departments and PGDEM under distance education programme of Tezpur University; training and awareness programmes for vulnerable communities and students.
- Advertisement for / recruitment of new faculty.
- Establishment of laboratories; procurement of required equipment/tools/kits.
- Starting of PG and short term self-sponsored programmes on disaster management based on faculty strength.
- Preliminary survey for case studies and documentation on disaster scenario of vulnerable areas of Assam.

2019-20
- Continuation of CBCT/optional courses for students of other departments and PGDEM under distance education programme of Tezpur University; training and awareness programmes for vulnerable communities and students.
- Continuation of PG and self-supported short term programmes on disaster management.
- Case studies, hazard mapping and documentation of vulnerable areas.
- Preparation of reports of case studies and publication of reports.

2020-21
- Continuation of CBCT/optional courses for students of other departments and PGDEM under distance education programme of Tezpur University; training and awareness programmes for vulnerable communities and students.
- Continuation of PG and self-supporting short term programmes on disaster management.
- Case studies, hazard mapping and documentation of vulnerable areas.
- Collaboration/consultancy with Government departments for disaster risk assessment and risk reduction planning of vulnerable areas of Assam based on outcome of case studies.
- Publications of reports, preparation of database and documentation of disaster scenario of Assam.

9. **Monitoring of progress**

The advisory committee and/or committee for Checks and Balances of the Centre or any other newly constituted committee by the University may be involved in formulating norms for implementation of the plan and supervising the progress.

School of Sciences

Department of Chemical Sciences

Vision of the Department/Centre	Department of Chemical Sciences, Tezpur University seeks to be recognized as the best chemistry department in India with acknowledged excellence in research, instruction, and outreach.
Mission of the Department/Centre	The mission of the department is to provide high quality academic environment and to perform cutting edge research in different areas of chemical sciences. An integral part of our mission is to make our knowledge publicly available through publications, scientific and public presentations, conferences in combination with high-quality teaching and training of graduate and postgraduate students.
Objectives of the Department/Centre	- continue to attract, develop and retain best chemistry faculty - maintain state of the art research and teaching facilities - provide innovative, dedicated classroom instruction for every level of students. - communicate the excitement of chemistry to the public at large
Milestones achieved since inception	- Students have been continuously get good placements and able to clear national level tests like NET, GATE , SET etc. - Research work published in major reputed national and international journals, patents etc.

	• improving *h-* index and *i-*10 index of entire department and individual faculty members. h-index of the department is 26 (as on June, 2015). • able to generate research fund of notable amount • faculty members have been able to develop academic network through collaboration at national and international level. • able to organize different prestigious national and international conferences and workshops. • DRS – I (SAP), DRS-II ongoing • DST-FIST

Strategic Priorities:

Priorities	Details	Measurement Criteria to judge progress
Outstanding teaching learning and research	• generation of fund through national recognition like SAP-DRS, DST-FIST etc and individual project funding of faculty members from various national and international funding agencies. • setting up of up-to-date infrastructure • incorporation of interdisciplinary research areas by collaboration among the department faculty members • building collaborative network – both internal and external level • strengthening the faculty with regular recharge of ideas through frequent national and international interactions • creating a democratic atmosphere for	• Success of students in external examinations • awards and honours to faculty members • increasing number of research publications, articles and patents • increasing h-index of entire department and

	high quality teaching and learning	individual faculty members
	• the department will be open to the questions raised by communities– students, researchers, citizens etc. and the department will be committed to find answers	• students are able to manage good placements
	• Adhering to working schedule for all academic and research programmes	• amount of research fund generated
	• conducting progress seminars for research scholars in every semester	• Adherence to schedule
	• introducing short term research projects for MSc students	• Investment per student laboratory
	• Inviting eminent scientist from different research areas to interact with students and faculty members	
	• Facilitating eminent faculties/scientist for short term visit for teaching as well as research purpose.	
	• conducting seminars and workshops	
	• In research perspective the department is aimed to achieve milestones in the following areas: - development of new novel homogeneous/heterogeneous catalyst for different chemical transformation - theoretical and computational studies of different chemical and physical processes - water purification	
Relevant and responsive curriculum (with thrust	• Syllabus covering core and modern	• Periodicity of course

areas)	issues of chemical sciences • Aligning the curriculum content with stake holders needs – industry, academia and communities	curriculum revision • Feedbacks from stake holders, particularly during the time of syllabus designing • Feedback from alumni • Feedback from students
Meeting employers' needs	• Designing curriculum • exposure to high quality education techniques (traditional as well as modern) • Exposure to high quality instrumentation • Instilling the ability of handling research questions and decision making imparting updated relevant knowledge base	• Feedbacks from stake holders, particularly during the time of syllabus designing • Feedback from alumni • Feedback from recruiters
Supporting local community	• Outreach programs by the department on science popularization • Organizing science popularization programme • Support in terms of accessibility – particularly in terms of laboratory facility, inviting students for summer and winter interns • Organising need based workshop/training/demonstration	No. of events No. of beneficiaries

	programme for communities based on availability of funds • Water purification methodology developed in the department is tested on large scale in rural areas	
Financial Strength	Research Funding Consultancy	Volume of fund generated
Internationalization	• Raise the level of research and publication to get noticed internationally • international mobilization of faculty and students • MoU and collaborative research, projects/programmes	• No. of international collaborators • Revenue generated • Publication

Indicative time line to achieve stipulated targets:

2016-17:
- Infrastructural development: procurement and installation of equipment through the fund allocated under DRS-II.
- Improvement of classroom facilities and general laboratories.
- Raising research collaboration.
- Raising research grants - individual and collective
- Preparing for FIST Level-II

2017-18
- Push for greater heights in quality and quantity of research publications.
- Raising research collaboration.
- Raising research grants - individual and collective

2018-19
- Push for greater heights in quality and quantity of research publications.
- Raising research collaboration.
- Raising research grants - individual and collective.

2019-20
- Push for greater heights in quality and quantity of research publications.
- Raising research collaboration.
- Raising research grants - individual and collective.

2020-21

- Applying for DRS-III
- Raising research collaboration.
- Raising research grants - individual and collective

School of Sciences
Department of Environmental Sciences

Vision of the Department	Our vision is to grow into an institution of national importance, with international standing.
Mission of the Department	The core mission is to impart knowledge with quality teaching and research to answer fundamental questions before mankind in regard to environmental knowledge.
Objectives of the Department	• Environmental assessment and modelling • Biodiversity and reverine hazard studies • Sustainable agriculture • Climate dynamics and associated vulnerability assessment .
Milestones achieved since inception	• Publication in major reputed international journals • Able to generate research fund of notable amount • Separate department building with independent research lab for each faculty member • Faculty members have been able to develop academic network through collaboration at national and international level. • Students have been continuously able to clear national level tests like NET, GATE • DRS – 1 (SAP)

Strategic Priorities:

Priorities	Details	Measurement Criteria to judge progress
Outstanding teaching learning and research	- Generation of fund through national recognition like SAP-DRS, DST-FIST etc. - setting up of up-to-date infrastructure - building collaborative network – both internal and external - strengthening the faculty with regular recharge of ideas through frequent national and international interactions - Creating a democratic atmosphere for high quality teaching and learning - the department will be open to the questions raised by communities – students, researchers, citizens etc. and the department will be committed to find answers. - Adhering to working schedule for all academic and research programmes	- Publication, Indexing and Awards Teacher student ratio - Success of students in external examinations - Placements - Volume of research fund generated - Adherence to schedule - Investment per student laboratory
Relevant and responsive curriculum (with thrust areas)	- Syllabus covering core issues of environment – regional, national and global perspectives - Aligning the curriculum content with stake holder's needs – industry, academia and communities	- Periodicity of curriculum revision - Feedbacks from stake holders, particularly during the time of syllabus designing - Feedback from alumni - Feedback from recruiters
Meeting employers' needs	- Designing curriculum - Exposure to high quality instrumentation - Instilling the ability of handling research questions and decision making imparting updated relevant knowledge base	- Feedbacks from stake holders, particularly during the time of syllabus designing - Feedback from alumni - Feedback from recruiters
Supporting local community	- Organising outreach programme and campaign - Organising need based workshop/training/demonstration	No. of events No. of beneficiaries

	programme for communities based on availability of funds • Support in terms of accessibility – particularly in terms of laboratory facility	
Financial Strength	Research Funding Consultancy	Volume of fund generated
Internationalization	• Raise the level of research and publication to get noticed internationally • MoU and collaborative research, projects/programmes	• No. of international collaborators • Revenue generated • Publication

Indicative time line to achieve stipulated targets:

2016-17:
- Infrastructural development: procurement and installation of equipments through the fund allocated under DRS-I.
- Improvement of classroom facilities and MSc practical laboratories.
- Raising research collaboration.
- Raising research grants - individual and collective

2017-18
- Push for greater heights in quality and quantity of research publications.
- Raising research collaboration.
- Raising research grants - individual and collective.

2018-19
- Push for greater heights in quality and quantity of research publications.
- Organising Conference
- Raising research collaboration.
- Raising research grants - individual and collective.

2019-20
- Preparing for DRS-II
- Push for greater heights in quality and quantity of research publications.
- Raising research collaboration.
- Raising research grants - individual and collective.

2020-21
- DRS-II
- Raising research collaboration.
- Raising research grants - individual and collective.

School of Sciences

Department of Mathematical Sciences

Vision of the Department	To be recognized in India and abroad as a center of excellence in the field of mathematics teaching, research, consultancy and outreach To produce leaders in mathematics education at regional, national and international levels who are capable of providing high quality educational and related services.
Mission of the Department	- Promote the profession of mathematicians in the region have an enduring impact on the quality of mathematics education - Prepare high quality scholars, researchers and educators through comprehensive training - Development of high-quality content rich curriculum in UG and PG level and complement teaching with effective application of technology - Undertaking quality research in frontier areas of contemporary research
Objectives of the Department	- Produce trained educational professionals known for their quality teaching, research, scholarship and service. - Development of independent research and critical thinking abilities of students along with a familiarity with frontier areas of research - Utilize the diverse expertise of our faculty both within the department and in collaborative efforts with other departments and schools to strengthen the teaching and research in interdisciplinary areas involving mathematics - Provide leadership in the development of collaborative, professional relationships with schools, colleges and other institutions focused on the improvement of mathematics education. - Provide a common platform for students, teachers and researchers of the region and beyond to come together for learning mathematics and research collaboration.

Milestones achieved since inception	- 1995 (January)
	  - establishment of the department
	  - commencement of the MA/M.Sc in Mathematics Programme
	  - commencement of the Ph.D. Programme
	- 1999: Produced the first Ph.D. of Tezpur University
	- 2006: Computational Laboratory established under DST assistance
	- 2009: Integrated M.Sc. Programme
	- 2011: UGC-SAP (DRS-I) recognition
	- 2012: M.Sc. in Mathematics under distance education mode
	- 2012: DST-FIST (Level-I) recognition
	- 2014: Integrated B.Sc. B.Ed. Programme
	- 2014: 40th Ph.D. produced by the department

| | 2015: Completion of the 20th batch in the M.A./M.Sc. Programme | |

Strategic Priorities:

Priorities	Details	Measurement Criteria to judge progress
High quality teaching- learning and research	- strengthening of the research programme in the stress areas of number theory, algebra, graph theory and operator theory, induction of more research areas - induct more faculty members with diverse specialization - Involving Academicians of high repute as visiting fellows or adjunct faculty under various schemes - securing of more externally funded research projects - upgrading of the UGC-SAP (DRS-I) to DRS-II by 2016 - Upgradation of the DST-FIST to level-II by 2019. - augment library resources with adequate textbooks and reference material - establishment of sufficient no. of class rooms with full and flexible ICT facilities and - full-fledged computational laboratory capable to catering to all students of the department - establishment of modern seminar facility to complement classroom teaching	Teacher student ratio at 1: 10 - Placements to be increased to over 75% - Success of students in external Examinations to at least 25% - increase of student to book ratio to 1: 50 No of Publication, Indexing and Awards
Relevant and responsive curriculum (with thrust areas)	- Offer more specializations, particularly in some of the emerging as well as need based areas - Revision of curriculum every two years for necessary up-gradation based on contemporary development	- Monitoring the no. of placement of students having these specialization/ electives/ programme - Peer review of the curriculum
Meeting employers' needs	- Undertaking regular assessment of employer/potential employer's needs	- No of participants - Quantitative analysis

	- Arranging of Internship by the students at prospective employer's organization, institutions etc - Organising regular training programme as per employers' requirement, involving the employer as far as possible - Maintaining the CV of the students indicating student strength, interests, academic progression and assessment of requirements for individual students	of employer's feedback - Analysis of placement records over time
Supporting local Community	- To conduct regular training programmes, workshop as well as conferences catering to various levels and types of participants (the department shall try to gather sponsorships from various sources apart from utilizing its in-house resources organization of the events) - School level students and teachers (Popularization of mathematics) - Graduate level students and teachers (Exposure to modern mathematics) - PG and research level (exposure to advanced topics and initiation to research in mathematics)	- No. of events (Minimum per year to be fixed) - No. of beneficiaries (Minimum to be fixed) - Sponsorships received
Investing in people	- Comprehensive analysis of the requirements of specific training - FDP - ICT Training - Skills training etc. - Start- up grant	- No. of personnel trained - Training days/person Employee satisfaction survey Organizing - Seminar/Workshop/ Conference etc.
Financial Strength	- Apply for more research funding - Student fees Self-supporting programmes - Other revenue generating activities	- Amount from each
Internationalization	- Participation in International exchange programmes	

Detailed planning 2017-2021

2016-2017

- Preparation for UGC-SAP (DRS-II)
- Apply for UGC-SAP (DRS-II)
- Planning for an International Conference in 2017
- Explore potential partners for international exchange programmes

2017-2018

- Organize an International Conference in one of the stress areas
- Explore opening of a new programme
- Expand research areas

2018-2019

- Preparation for DST-FIST (Level-II), in-house analysis

2020-2021

- Apply for DST-FIST (Level-II)

School of Sciences

Department of Molecular Biology and Biotechnology

Vision of the Department	Department of Molecular Biology and Biotechnology, Tezpur University strives to produce trained quality manpower in the different fields of modern biology that can accept the global challenges. The department is currently ranked among the top five biotechnology departments in the country. It aspires to maintain and improve further on its position.
Mission of the Department	The mission of the department is to facilitate a congenial academic and research environment. This mission is perused with a research based teaching approach that is enriched by extensive collaborations, to keep the learning environment vibrant.
Objectives of the Department	➢ To draw best quality students ➢ Maintain state of the art research and teaching facilities ➢ Incentivize teaching by allowing specialization based pedagogy ➢ Raising awareness about the significance of the regional resources and value systems
Milestones achieved since inception	➢ Department has been recognized at the International and National level due the regular placement of graduate students in PhD programmes of various reputed institutions. ➢ Students have been regularly qualifying national level tests like CSIR/UGC NET, DBT-BET, ICMR-JRF, GATE, SET etc. ➢ The department is one of the largest departments offering the DBT sponsored Biotechnology programme, in terms of faculty and research grants. ➢ The faculty members have been able to develop an extensive academic network through collaboration at national and international level. ➢ ONGC-CPBT, DRS – I, DRS – II (SAP), DST-FIST- Level I, DBT Strengthening, DBT-BIF, DBT-Biotech Hub

Strategic Priorities:

Priorities	Details	Measurement Criteria to judge progress
Outstanding teaching, learning and research	• Top quality faculty for teaching and research • Facilitating advanced training for faculty development	• Achievements in National Entrance examinations • Research publications • Faculty recognition at

	• Generation of fund through national recognition like SAP-DRS, DST-FIST etc. • incorporation of interdisciplinary research areas by collaboration among the department faculty members • building collaborative network – both internal and external level • Inviting eminent researchers/ academicians from different research areas to the department	National and international levels
Relevant and responsive curriculum (with thrust areas)	• Design, development and regularly updating the syllabi, taking the faculty and student feedback • Electives based on relevance and research specialization of core faculty	• students' development and performance
Meeting employers' needs	➢ Induction of Industry representative in departmental BoS ➢ BCIL training for graduate students ➢ Student counselling by industry experts and DBT representatives	➢ Placement record
Supporting local community	➢ Free malaria detection through kits in affected areas ➢ Delivering talks to school children ➢ Water contamination tests for biological and Arsenic hazards	No. of events No. of beneficiaries
Financial Strength	DBT Govt. of India Other funding agencies	Volume of fund generated
Internationalization	➢ Research collaborations	➢ No. of international collaborators

Indicative time line to achieve stipulated targets:

2016-17:
- Increase of faculty strength upto 25
- Increase the technical staff to 6
- Minimum 50% of the graduate students qualifying the UGC/CSIR NET- JRF
- Development of two (02) 200 seater SMART-Classroom

2017-18

- Animal house and experimental facility
- Plant experimental facility
- DIC / Sub DIC/ CoE in Bioinformatics

2018-19

- MTech in Biotechnology.
- Genomics in heath and disease –optional course

2019-20

- Several faculty members being elected to the various National science academies
- Establishment of permanent ONGC-CPBT with dedicated manpower

2020-21

- Minimum 75 % of the graduate students qualifying the UGC/CSIR NET- JRF
- 100% student placement (of their choice)

School of Sciences
Department of Physics

Perspective Vision Plan 2016-2021

The country is gearing up towards it's vision of becoming a developed country. For this goal to be achieved, the government of India has very seriously and sincerely taken ardent measures in every sphere where it has its presence and has left no stone unturned in seeking the secret to success. Be it education and research, manpower building, industrial development, employment generation, energy sector, etc., the government has started to infuse new concepts and ideas and trying to do away with archaic and defunct methods and systems. The physics community throughout the country in Universities and Institutions has also come under this retrospection and is currently trying to adapt to a more progressive and output oriented philosophy which is in pace with the current scenario of physics education and research in the world.

Taking into account all the hurdles that were overcame to reach the present status achieved by the Department of Physics through sincere perseverance and painstaking care since its inception in 1998, and finally being able to cherish the laurels coming out of this hard work and dedication, there is now no doubt that the Department has taken the right decisions along the way to get the correct shape and has truly achieved that level of experience and maturity which brings success just as it has been in the case of many excellent centers of learning and research across the globe. If the department can now visualize correctly and plan for further augmentation of infrastructure, facilities and get the right manpower, in the next five years, the Department will definitely excel further and might not only join the ranks of the top ten Departments of Physics across the country, but may become a destination for top academicians, researchers, innovators, students and industries from all over the world.

The Department of Physics envisages becoming a Center of Excellence in the next coming years. Firstly, this long term goal involves attracting the services of very bright and talented personalities who can over the years not only guide the department in excelling but also excel themselves in their own field of research. Their work culture will breed a genre of students who will be able to independently think and apply the acquired wisdom and excel in their own way. Secondly, the Department has to setup the milestones for acquisition of sophisticated equipment necessary for research. This long term goal can be achieved by regularly applying for support programs like SAP or FIST. Even collaboration with institutions within and outside the country may ensure funding for infrastructural development. Finally, it should be the long term goal of the Department to come up with it's own independent building and premises with enough space so that students and researchers have a world class environment to work with the highest possible efficiency.

Some of the issues that require immediate attention as short term milestones are measures to be taken to fill in the existing vacant staff and faculty posts in the Department. Lack of adequate maintenance fund has always been a problem for the Department. A solution for this has to be immediately thought of. The requisite planning and necessary action has to be a short term milestone to achieving this.

Temporary space has to be found for the ever increasing demand for research laboratories as fresh researchers keep joining the Department. This issue needs to be addressed urgently too.

Vision of the Department	**"To become a centre of excellence in pure and applied physics"** Utilize and extend advance research facilities to support quality teaching and basic research thereby helping the department to grow as a centre of excellence in Science and Technology.
Mission of the Department	To excel in quality teaching and research by attracting the best of minds and keep pace with contemporary research in terms of infrastructure and facilities.
Objectives of the Department	• To produce quality students ready for teaching and research. • To develop the essential infrastructure for high standards of research in the thrust area of Material Science. • To develop and push forward other frontier areas of current research which includes Nano-science, Astrophysics, High Energy Physics, Plasma physics, Photonics and Microwave technology. • To be a department of "Excellence" and be included in the top 10 physics departments of the country.
Milestones achieved since inception	(i) 1998-1999: Department was inaugurated by Professor Rajaramanna and the first batch of 18 students joined the M. Sc physics program manned by 5 faculty members and a couple of staff members. The department started in a temporary tin roofed housing with very limited facilities and space. The specializations offered by the department were in Material Science, Electronics and High Energy Physics. (ii) 2004-2005: Department starts M. Sc Nano-science program and starts developing the teaching and research laboratories in the then new Academic Building –II. The faculty strength also increases accordingly to around 15 and large number of research scholars pursuing Ph. D program join the department. (iii) 2010-2011: Astrophysics is started of as a new specialization with the joining of appropriate faculty and support is offered by ISRO to aid this specialization. (iv) 2014-2015: One Chair Professor and one inspire faculty member joins the department. The department thoroughly revises the syllabi of all the programs. Photonics is added as a new specialization.

	Other milestones over time have been :
	(i) Establishment of several sophisticated instruments like SEM, PL, XRD, Nd-YAG laser facility, for research.
	(ii) Faculty members got prestigious fellowships like DAAD, Boyscast, von-Humboldt and Indo-US Research Fellowship to travel and do research abroad. Through exchange programs also many faculty members have travelled abroad for research and vice-versa many researchers from abroad have visited the department in return giving lectures and talks and actively participating in collaborative research.
	(iii) Researchers from the department have been able to publish an appreciable number of papers in very highly reputed high impact factor journals every year and were able to present papers in international conferences abroad as well as in national conferences within the country every year.
	(iv) Students after completing their studies from the department got absorbed for research in many prestigious institutions abroad and within the country. Around 20 students after obtaining Ph. D from the department got placement in government colleges, universities and institutions all across the country.

STRATEGIC PRIORITIES:

Outstanding teaching learning and research:

With a faculty strength of almost 20 including eight assistant professors, six associate professors, five professors and one chair professor along with a supporting non-teaching technical staff of five personals, the department can provide excellent teaching and conduct very high quality research. The classrooms are furnished with modern desks and seats, blackboards and whiteboards, have requisite electrical appliances and connections, adequate ventilation and as such have the ambience necessary for delivering lectures effectively. Frequently, use is made of ICT devices like projectors and laptops for demonstration and simulation. Classes are held regularly and strictly in time and attendance is compulsory. The research scholars avail either institutional fellowships or research fellowships sanctioned by UGC, DST, DBT, DIT etc. government bodies. Post graduate students pursuing Astrophysics are awarded fellowship by ISRO in their final year. The department was supported by UGC SAP-DRS I from 2010-2015 and now is supported by UGC SAP-DRS II for the period 2015-2020. Similarly the department also availed support of the DST FIST program till 2010.

The impact of these investments can be easily judged by the record placements of the students both within and outside the country in research programs, teaching posts and similar prestigious jobs. Students from the Department of Physics, Tezpur University are currently doing full time or collaborative research or are in the process of joining in top institutions in U.K., Europe, US, Taiwan, Japan, etc. The current rate of publication of the researchers and faculty of the department of nearly a hundred publications per year in highly reputed peer reviewed journals is a direct outcome of the high standards achieved by this department over the years. Again as an instance of the effectiveness of these investments it is worth citing the example of 13 students from this department who could clear the recently held SLET exam.

Relevant and responsive curriculum:

The specializations and programs in general are in tandem with the latest research currently going on in physics throughout the world. The five specializations offered by this department in Integrated and M.Sc programs in Physics in the area of Material Science, Astrophysics, High Energy Physics, Electronics and Photonics are supported by adequate faculty and laboratories wherever necessary.

Outstanding facilities and resources:

The department offers the services of the following list of very sophisticated instruments:

- XRD
- Luminescence Spectrophotometer (PL)
- UV-Vis Spectrophotometer
- Fourier Transformed Infrared Spectroscope (FTIR)
- Vacuum coating unit
- Polarizing Optical Microscope
- Impedance Analyzer (LCR)
- Hi-power microwave set up
- Deep Freezer (-800C)
- Tubular Furnace
- High Speed centrifuge
- Laminar flow cabinet
- Computation resources
- SEM (Central facility)
- TEM (Central Facility)

The department offers the services of these instruments to all researchers both from within the University as well as outside. The revenue generated is collected by the University for further development.

Financial Strength

- Some of the sources for funding over the years has been as following:-
- UGC (under the Innovative programme for M.Sc in Nanoscience & Technology and Research during 2005-10) = Rs.39.50 lakhs
- DST-FIST (during 2005-2010) = Rs.29.0 lakhs
- ISRO-Space Science Promotion Scheme (since 2010) = Rs.2.85 lakhs (recurring p.a.)
- Special Assistance from UGC (for infrastructural development) = Rs.10 lakhs (one time)
- UGC-SAP (DRS-I) (during 2010-15) = Rs. 71.50 lakhs
- UGC-SAP (DRS-II) (during 2015-20) = Approved but sanctioned amount yet to be officially declared.

Besides these all faculty members have individual projects worth several lakhs of rupees through which they procure equipment and provide additional scholarships.

Internationalization

The department has always been actively involved in keeping abreast in latest research by collaboration and exchange programs with foreign institutions. MoU's have been signed and exchange visits have been performed. International and national conferences/workshops have been held by the department attracting a huge number of foreign participants. Some notable programs are as follows:-

(i) UGC-UKERI : Collaboration between Tezpur University and University of Southampton, UK , 2014-15
(ii) Indo-JSPS : Collaboration between Tezpur University and University of Tokyo, Japan, 2014-17
(iii) Indo-German: Collaboration between Tezpur University and Max Planck Institute Germany 2009-12.

Indicative timeline to achieve stipulated targets
2016-17
- Procure Time-Resolved Photoluminescence setup worth 70 lakhs through UGC DRS-II funding.
- Apply for DST FIST funding
- Fill up vacancies and seek more high quality faculty and staff
- Try to start the independent building for Physics Department
- SERC school & Optics conference will be held
- Improve teaching by use of newer ICT devices
- Invite scientists/ guest faculty from within country and abroad to deliver lectures and talks in the department.

2017-18

- Establish more international collaborations
- Try to file more patents and invite industries to participate in the departmental programs.
- More funding for research and development will be sought from government and non government agencies.
- Invite scientists/ guest faculty from within country and abroad to deliver lectures and talks in the department.

2018-19

- Improve on research and publications with augmentation of more equipment for research through individual or departmental projects and grants.
- Try to increase faculty number to a strength of 25 from the present 20. Accordingly try to increase technical/non-teaching staff slightly.
- Try to accommodate all teaching and research facilities under the completed new building.
- Invite scientists/ guest faculty from within country and abroad to deliver lectures and talks in the department.

2019-2020

- Accelerate research activities in the department. Encourage foreign students to participate in departmental research and vice-versa aid students of the department to travel and get placed in research institutes of excellence.
- Hold international and National level events
- Invite scientists/ guest faculty from within country and abroad to deliver lectures and talks in the department.

2020-2021

- Achieve the target of becoming a "Centre of Excellence" in Physics teaching and research.

Centre for Assamese Studies

Vision of the Centre	The prime aim of the Centre is to undertake and foster intensive study and research in Assamese language, literature and culture in their varied dimensions adopting a wide perspective and all-encompassing worldview.
Objectives of the Centre	i) Undertaking text-critical studies of secular, literary and sacred texts that throw light on Assamese culture ii) Taking-up research projects on various aspects of Assamese language, literature and culture iii) Commission monographs, in English and Assamese, on **writers** who have yet to receive the critical attention they deserve (e.g. Rudra Kandali, Ananta Kandali, Pitambar Kavi, Ram Saraswati, Durgavara, Mankara, Bhattadeva, Chakrapani Vairagi Atoi, Miles Bronson, Nathan Brown, Lambodar Bora and Ratneswar Mahanta etc); **places** (Majuli, Bardowa, Barpeta); **periodicals** (*Orunodoi, Jonaki, Bijuli* etc); **literary genres** (Ankiya Nat, Bargit, buranjis, Life-Writing –*carit-tola* for example); the **fairs and festivals o**f Assam; the varieties of musical, theatrical and dance forms of the state; painting in Assam; Assamese Sculpture, Assamese Architecture and the like. iv) Setting up of an archive with both digital and documentary holdings in the form of manuscripts and audio-visual products v) Publishing authentic original texts prepared on the basis of text-critical studies and also books incorporating findings of high quality PhD theses to be produced at the Centre and taking up translation of important Assamese and other indigenous literary and non-literary texts (both oral and written) into English and other languages. vi) Translating important English and other foreign languages texts into Assamese and publish them vii) Taking up collaborative research with institutions and individuals outside Tezpur University in the areas identified by the Centre
Achievements since inception	**Since inception in 2011 ---** i) **Kirtan Ghosa, Naam Ghosa and diaries of Laksminath Bezbaroa have been uploaded in the Centre for Assamese Studies webpage (20 September, 2011)** ii) **27-29 Dec, 2012**: **Orientation Programme for Translators** in collaboration with National Translation Mission (CIIL) and the Department of Cultural Studies, Tezpur University iii) **24 January, 2012: Release of Juri Dutta's book**: *Ethnicity in the fiction of*

			Lummer Dai and Yeshe Dorjee Thongchi: A New Historicist Approach.
	iv)		24-27 July, 2013: Workshop on 'Reading Manuscripts of Early Assam' organized by Srimanta Sankaradeva Chair and the Centre for Assamese Studies
	v)		3-4 April, 2014: The Centre for Assamese Studies of Tezpur University organized a two-day national seminar titled **Modern Assamese Society, Literature and Bezbaroa** on the occasion of the 150th birth anniversary of Sahityarathi Lakshminath Bezbaroa.
	vi)		A volume with 15 research papers by members of the Tezpur University academic fraternity titled *Lakshminath Bezbaroa: The Architect of Modern Assamese Literature- Issues of Nationalism and Beyond* (edited by Madan M. Sarma and Debarshi P. Nath) published on the occasion of the 150th birth anniversary of Sahityarathi Lakshminath Bezbaroa on 3 April, 2014.
	vii)		Translation of *Miri Jiyori* by Dr Suranjana Barua (Publication Board Assam, 2014)
	viii)		*Ethnic Worlds in Select Indian Fiction* by Dr. Juri Dutta (SAGE Publication, Delhi, 2014.)
	ix)		*Code Switching Mixing-induced Changes in Modern Assamese and their Future Implication* by Dr. Arup Kumar Nath (Publication Board Assam, 2014)

Future Plan:

1.	MA in Assamese (four semester)	PG	20	The Centre is expected to be developed into a full-fledged Department in near future. As such, we are planning to introduce Post-Graduate programme in Assamese.
2.	Inter-disciplinary Course on History of Assamese literature	PG	40	This course attempts to give some glimpses of the history of Assamese literature from pre-Sankaradeva period to the present era. This course is expected to cover various dimensions of Assamese literature in a condensed and lucid way.
3.	Integrated MA in Assamese (ten semesters)	UG	20	Along with the Post Graduate Programme, we are planning to start a five year Integrated Course in MA Assamese so that the students can be trained in the prescribed discipline after 10+2. A comprehensive syllabus is currently

				being prepared.
4.	Certificate Course in Functional Assamese	Open for all	20	Tezpur University hosts a large number of faculties, staffs and students from different parts of the country and abroad. The proposed program would aim at familiarizing them with the basics of Assamese speech.
5.	Post Graduate Diploma on Studies in Vaishnavism in Assam	PG	20	In keeping with the major objective of undertaking extensive research work on Vaishnavism in Assam at the Centre for Assamese Studies, this PG course is expected to prepare students for research in this direction.
6.	Research Programme (M. Phil, Ph.D)			It is hoped that during the next two or three years, the Centre will host both M.Phil and Ph.D programmes.

Centre for Open and Distance Learning

Vision

To grow into a leading centre for human resource development through distance and open learning system

Mission

To provide quality higher education at doorstep through flexible and open learning mode without barriers and in conformity with national priority and societal needs

Objectives

1. To offer degree, diploma and certificate level programmes of study though distance learning in various emerging subjects across disciplines
2. To offer job oriented and vocational programmes in flexible terms in line with the national and regional demands for manpower
3. To contribute to the cause of life- long learning by providing education without barriers of age and gender
4. To undertake various research and academic activities for furtherance of distance education in the region
5. To contribute to the conservation and promotion of cultural heritage , literature, traditional knowledge and environment by conducting short programmes, workshops, seminars and research in interdisciplinary fields

Plan

1. To introduce MA in Assamese, English, Sociology and Hindi within 2015—16 FY
2. To introduce BA programme in 2016-17 FY
3. To introduce MA in Education programme in 2016—17 FY
4. To introduce MA in Social Work programme in 2017-18 FY
5. To introduce MA in Political Science and History in 2018—19FY
6. To set up at least one Study Centre in all the 27 districts of Assam by 2019—20 FY.

Tezpur University Intellectual Property Rights Cell (TUIPR Cell)

Vision of the Cell	To become a world class centre for the creation of human resources in the field of Intellectual Property Rights (IPR) and to establish systems for seamless integration of IPR in the Knowledge Value Chain in an evolving university framework.
Vision of the Cell	To become a world class centre for the creation of human resources in the field of Intellectual Property Rights (IPR) and to establish systems for seamless integration of IPR in the Knowledge Value Chain in an evolving university framework.
Mission of the Department/Centre	The Tezpur University Intellectual Property Rights Cell (TUIPR Cell) aims to evolve into a centre of excellence in the North Eastern Region in fields related to IPR Education, innovation management integrated with IPR within an educational Framework, protection of traditional knowledge and practices for socio-economic development, and contributing to the development and implementation of IPR Policy in the regional and national context.
Objectives of the Department/Centre	I. Create trained human resource in Intellectual Property Rights to achieve the mission of the TUIPR Cell II. Develop integrated Credited IPR Courses that can be offered to students at UG, PG and PhD level in the Formal University Educational Framework so that students continuing their education in diverse departments can take them as electives as part of their respective courses. III. Craft IPR Courses that can be offered in the long distance mode for students who do not belong to Tezpur University, and/or who do not participate in the credited integrated IPR Courses described in objective (ii). IV. Setup IPR management systems in the University System to capture innovations, arrange for their IPR Protection, and facilitate knowledge transfer in the university-industry interactive process including support of entrepreneurship. V. Organise local and regional IPR Awareness workshops,

	outreach programmes involving the State Administration, diverse institutions and communities VI. Operationalise regional systems for identification, registration and use of appropriate Geographical Indications from the North East for effective socio-economic development. VII. Regularly publish IPR and innovation related research findings and analysis in diverse media of international repute.
Milestones achieved since inception	i. Tezpur University was offered the prestigious MHRD IPR Chair Professorship by the Ministry of Human Resources Development, Government of India. ii. Developed a dedicated team of the TUIPR Cell consisting of the MHRD IPR Chair Professor, Coordinator TUIPR Cell, two Research Officers, Project staff and a multipurpose staff in the TUIPR Cell to undertake the challenging tasks as planned by the department. iii. Faculty in the department have cleared specific training on IPR also post graduate diploma course in IPR offered by NLSIU, Bangalore. iv. Introduced 3 interdisciplinary credit courses in IPR for UG, PG and PhD students in Tezpur University since 2012 and implementing them using innovative teaching methods including extensive use of the national knowledge network to conduct regular online remote lecturing. v. Carried out several IPR Awareness programmes in the University Campus and Outreach programmes in collaboration with TIFAC (DST, Government of India), DeitY (Department of Electronics and Information Technology, Government of India), Institute of Engineers, (India) Universities and Institutions in the North East Region. vi. Conducted GI workshops in the Guwahati and Lakhimpur which has resulted in the filing of 92 applications for "authorised users of MUGA Silk of Assam GI". This has been recognised by Experts as a major breakthrough in the field of GI in India. Initiated grassroots level research on MUGA Silk of Assam and the Mukhas of Majuli. vii. Published several lead articles and research papers, invited chapters in Books and journals including presentation in conferences in India and abroad. viii. Operationalised a system within Tezpur University to identify innovations made in the campus and have them protected by patent and copyright filings.

Strategic Priorities

Priorities	Details	Measurement Criteria to judge Progress
Outstanding teaching learning and research	➢ Comprehensive and Updated Curriculum ➢ Highly qualified and competent teachers ➢ Faculty Members with diverse areas of research interest ➢ Faculty having specialised knowledge in intellectual property rights ➢ Field work practicum in relevant areas	➢ Faculty training in thrust areas to meet the curriculum requirement ➢ Faculty registration in IPR course in India's best Law University for maximum output. ➢ Students'/stakeholders' feedback on teaching/training/IP awareness ➢ Outstanding outcome of field visits for authorised user registration in Geographical Indication Registry. ➢ Quantum increase in numbers of authorised users of *Muga Silk of Assam*
Relevant and responsive curriculum (with thrust areas)	➢ Specially designed courses for UG, PG and PhD students ➢ Focus on targeted research and innovative research output. ➢ In house training programmes for researchers in patent literature search	➢ Involvement of students from diverse discipline every year. ➢ Demand for more patent search training.
Outstanding facilities and resources	➢ Good number of books by foreign and Indian writers on specialised areas of IPRs in Central Library ➢ ICT Facility ➢ Assistance in IP filing for university fraternity in Indian Patent Office ➢ IP Attorney for university fraternity ➢ Special facility of Hands-on-training in regular interval for online patent literature search ➢ Filing of GI authorised user in GI	➢ Increasing grant to purchase books ➢ Researchers' willingness to avail the legal assistance ➢ Increasing numbers of patent application in the recent years ➢ Request for patent search hands on training in regular interval. ➢ Quantum increase in the number of authorised users. Next application process to be initiated during April, 2016.

	Registry, Chennai for grassroot stakeholders ➢ Assistance to grassroot innovators of the state.	
Meeting employers' needs	➢ Integration of IPR in the Knowledge Value Chain in an evolving university framework. ➢ Timely identification and protection of innovations ➢ Skilled development and hands-on–training on the IP systems	➢ Running interdisciplinary courses IPR in all three levels of undergraduate, postgraduate and PhD. ➢ Increase in students intake every year with more involvement of students from different streams ➢ Increase in number of filing Patent in the year 2015-16 ➢ Conducting patent search hands-on-training for last two years on demand.
Supporting local community	➢ field work with the muga cultivators and stake holders for awareness of GI ➢ Awareness Camps with Muga stakeholders in potential hub of Muga Silk. ➢ Processing applications for Authorised Users of Muga GI. ➢ Training programme/Workshop/ Outreach Programmes for different categories of people in and around the state of Assam. ➢ Special awareness programme for women innovators of nearby villages of the University	➢ Number of participants and demand for more awareness programmes ➢ Significant increase in the number of Authorised Users of Muga GI from 19 persons between 2007 to 2014 to 92 in 2015.
Financial Strength	➢ Annual Grant from MHRD ➢ Annual Grant from ASTEC ➢ Grants provided by collaborating Institution for IP awareness programmes ➢ Event specific grant from DeitY etc.	➢ Two to three workshops are organised yearly ➢ Well organised outreach programmes in the states outside Assam ➢ Supporting Authorised Users for processing applications to the Office of the Geographical Indications, Govt. of India.
Internationalisation	➢ Raise the level of research and publication internationally to	➢ Internationally recognised publication

	meet international standard of Intellectual Property Rights	➢ Publishing books on IPR to cater the need of students and researchers ➢ Faculty membership in international organisation on IPR ➢ Invited faculty to deliver in international forum on IPR

Indicative timeline for achieving stipulated objectives during 2016-21

- Transform the Cell to a full fledged Department of Intellectual Property Rights.
- Enhance the human resource in the department with the recruitment of Asstt. Professors, Research Assistants, Multi-Tasking Staff and one Departmental Secretary.
- Continue to offer the interdisciplinary IPR courses at the UG, PG and PhD level students.
- Initiate courses such as Diploma and Masters on IPR .
- Initiate Research programmes leading to PhD in IPR.
- Organise International and National symposia and conferences in IPR.
- Formalise a structured system to support the protection of innovations in the University through systematic filing and prosecution of IPR applications
- Set up systems in the university to facilitate technology transfer and commercialisation of university innovations; also organise academia industry interactions.
- Develop courses for distance learning modes.

Centre for Inclusive Development

Perspective Plan for 2016 – 2020

1. Brief Introduction

One of the prime objectives of Tezpur University as enshrined in the Tezpur University Act 1993 is "to pay special attention to the improvement of the social and economic conditions and welfare of the people". Further, the Eleventh Plan Document of the Planning Commission emphasizes how institutes of higher education ought to extend its resources and services towards community development. Towards achieving this, Tezpur University has established the *Centre for Inclusive Development* (CID) as an umbrella organization comprising the *Equal Opportunity Cell, SC/ST Cell* and the *Training & Placement Cell* which have a good deal of functional commonality. It is envisioned that an invigorated approach to this purpose would be achieved by consolidating the activities and collating the human and intellectual resources of these three cells. Headed by its Director, the Centre is intended to act as an interface between higher education and community development.

The conceptual essence of the Centre lies in the probation of inclusive development opportunities to all groups subjected to different degrees of exclusion owing to the specific socio-cultural, economic and political fabric of the society.

2. Vision

The vision of the Centre is to create an environment conducive to inclusive and equal growth at Tezpur University and beyond.

3. Mission

To achieve the Vision through affirmative and proactive action including education, engagement and capacity building, support services, research activities and interfacing between Tezpur University and different relevant organizations.

The Target Groups

    a) *TU Students & Employees* : This embraces all underprivileged sections of the student community – including those from the marginalized categories defined by the Government of India, women, differently-abled, economically weaker, geographically disadvantaged and those requiring supplementary and remedial exercises.

    b) *Community* : This comprises the disadvantaged and needy groups of the society with focus on youths, women and children.

4. **Objectives :**

While the three component Cells of the Centre share some areas of activities, each Cell is mandated with individual objectives. Therefore, the objectives of each Cell are given separately along with its report. However, the general objectives of the Centre as a whole are shown below :

1. To act as a catalytic facility for inclusive development with emphasis on those considered to be weaker in terms of socio-economic conditions or physical ability and those scheduled by the government as weaker sections of the society.
2. To take up appropriate measures for extending academic and other developmental activities as deemed appropriate and necessary for development of the society at large.
3. To carry out research and offer academic programmes in areas relevant to social-cultural development, particularly, of the North-east India.
4. To extend assistance to unemployed youths, differently-abled persons, women, children and other underprivileged members of the society for their self-sufficiency.

The individual reports of the Cells are given below.

4.1 : *Equal Opportunity Cell*

The Equal Opportunity Cell functions within the structure of the university as a forum for organizing *Training and Development Programmes* and conducting *Action Research for Social Development.* In concurrence with its mandate defined in the Eleventh (11th) Plan, EOC functions for the uplift of the underprivileged members of the student community (SC/ST/OBC (NCL)/ Female Category/ Economically and Geographically Disadvantaged) as also acts as an interface between the university and the community. Therefore, EOC endeavours towards the development of the student community as well as that of the community through several interventional programmes.

In a nutshell the principal areas of focus include:
*   Sensitization and Awareness Generation
*   Capacity Building
*   Community Development
*   Action Research
*   Grievance Redressal on Designated Issues

In the near future, EOC aspires to inculcate the following aspects in the scheme of activities
*   Conducting *Gender Budgeting* on Tezpur university Annual Budget Plan
*   Developing annual *Diversity Index* for the university
*   Facilitating Scholarships for the underprivileged members of the student community through collaboration with governmental and non- governmental organizations.

- Developing more programmes towards *Capacity Building* of Students
- Conducting focused *Development Initiatives* towards community development

Long Term Goals	*Short Term Goals*	*Proposed Action*
• To become a forum for facilitating development of student community through Awareness Generation and Capacity Building • To become an active agency of community development within the structure of the university	• Collaborating with Governmental and non-governmental organizations in conducting programmes for uplift and development of students • Collaborating with national and international developmental agencies in implementing programmes for the community	• Developing an inventory of activities that need to be implemented towards realization of stipulated goals. • Developing a network with governmental and non-governmental organization in conducting relevant programmes/ projects.

Seeking People's Commitment to Goals	*Support System for Resource Planning*	*Monitoring Mechanism for Progress*
• Designing programmes/projects which have the potential of motivating people and inspiring their commitment. • Decentralization and role delegation • Participatory decision making • Seeking Accountability	• Inter Department Collaboration • Inter Institution Collaboration • Creating network of experts of relevant domain • Multi / inter disciplinary team work	• Bi- annual review of activities • Quality Audit • Periodical reporting

Vision

The Cell envisions facilitating an environment of equal opportunity and inclusive development for the student community, particularly, those belonging to the marginalized sections of the society. It also envisages facilitating community development initiatives for social development.

Mission

- To become a forum for facilitating development of student community through Awareness Generation and Capacity Building.
- To become an active agency of community development within the structure of the university.

Objectives

- Conducting Sensitization and Awareness Generation Programmes on Barriers of Equal Opportunity
- Conducting Capacity Building Programmes for Development of Student Community
- Conducting Community Development Programmes
- Implementing Action Research Programme for Social Development
- Facilitating mechanism for providing supplementary support (scholarships) for underprivileged students

Milestones achieved since inception

- Array of sensitization and awareness generation programmes conducted
- Series of capacity building programmes held in collaboration with various governmental and non-governmental organizations
- Academic and Action research Projects conducted with support from national/ international organizations
- Several community development programmes conducted in collaboration with govt./non-govt. agencies

Strategic Priorities:

Priorities	Details	Measurement criteria to judge progress
Outstanding teaching learning and research	1. Action Research Project on Developing Child Friendly Panchayats in Three Gaon Panchayats of Sonitpur District (in collaboration with UNICEF). 2. ICMR Sponsored Project on "Gender and Mental Health in Assam: A Study on Magnitude, Cause and Impact of Mental Illness on Women".	Project review by sponsoring/ collaborating agency
Relevant and responsive curriculum (with thrust areas)	1. UGC Sponsored Six Months Certificate Course in Technical Writing. 2. PG Diploma in Child Rights and Governance (Proposed to be conducted jointly by Tezpur University and UNICEF).	Quality Audit
Meeting employers' need	1. Conducting Capacity Building Programme for internal staff members. 2. Conducting *Gender Budgeting* on Tezpur University Annual Budget Plan. 3. Developing annual *Diversity Index* for the University.	Feedback from participants and Quality Audit
Supporting local	1. Community Development Programmes	1. Project review

communities	2. Action Research Projects 3. Model Village Development programme 4. Institutionalization of Local Governance 5. Development of Innovative Teaching Methodology in Primary Schools	by sponsoring/ collaborating agency 2. Quality Audit
Investing in people	1. Capacity Building Programme for Faculty / Staff/ Students. 2. Capacity Building Programme for Community Members (unemployed youth). 3. Sensitization of Faculty / Staff/ Students. 4. Sensitization of Community Members.	1. Project review by sponsoring/ collaborating agency 2. Quality Audit
Financial strength	1. Sponsorship of and Collaboration with external agencies.	
Internationalization	1. Collaboration with international organizations like American Consulate in conducting Sensitization programmes 2. Collaboration with international organizations like UNICEF in implementing community development programmes	1. Project review by sponsoring/ collaborating agency 2. Quality Audit

Detailed Planning (Year-Wise Timeline), viz. 2016-17, 2017-18, 2018-19, 2019-20, and 2020-21:

Year	Sensitization Programmes	Capacity Building Programmes for Faculty/ Staff/ Student	Capacity Building Programmes for community members	Research Projects	Institutional Good Practices	Short Term Courses
2016 -17	Four (4) Workshops/ Seminars on Gender/ Human Rights/ Inclusive Social Development / Disability	Two (2) Capacity Building Programmes on Pre-placement Grooming, Communicative English and other forms of	Two (2) Capacity Building Programmes on Pre-placement Grooming, Communicative English and other forms of	1/2 (one – two) projects on Community Development / Gender Development / Inclusive Development	Conducting Gender Audit Developing Diversity Index Facilitating Scholarships for the underprivilege	One Certificate / PG Diploma Course on Skill Intensive/ Development Issues (e.g. Technical Writing/

Page **126** of **158**

	Issues etc.	technical and interpersonal skills.	technical and interpersonal skills.	or other relevant issues	d student members	Child Rights and Governance.
2017 -18	Four (4) Workshops/ Seminars on Gender/ Human Rights/ Inclusive Social Development / Disability Issues etc.	Two (2) Capacity Building Programmes on Pre- placement Grooming, Communicativ e English and other forms of technical and interpersonal skills	Two (2) Capacity Building Programmes on Pre- placement Grooming, Communicativ e English and other forms of technical and interpersonal skills	1/2 (one – two) projects on Community Development / Gender Development / Inclusive Development or other relevant issues	Conducting Gender Audit Developing Diversity Index Facilitating Scholarships for the underprivilege d student members	One Certificate / PG Diploma Course on Skill Intensive/ Developmen t Issues (e.g. Technical Writing/ Child Rights and Governance.
2018 -19	Four (4) Workshops/ Seminars on Gender/ Human Rights/ Inclusive Social Development / Disability Issues etc.	Two (2) Capacity Building Programmes on Pre- placement grooming, communicativ e English and other forms of technical and interpersonal skills	Two (2) Capacity Building Programmes on Pre- placement Grooming, Communicativ e English and other forms of technical and interpersonal skills	1/2 (one – two) projects on Community Development / Gender Development / Inclusive Development or other relevant issues	Conducting Gender Audit Developing Diversity Index Facilitating Scholarships for the underprivilege d student members	One Certificate / PG Diploma Course on Skill Intensive/ Developmen t Issues (e.g. Technical Writing/ Child Rights and Governance.
2019 -20	Four (4) Workshops/ Seminars on Gender/ Human Rights/ Inclusive Social Development	Two (2) Capacity Building Programmes on Pre- placement Grooming, Communicativ e English and	Two (2) Capacity Building Programmes on Pre- placement Grooming, Communicativ e English and	1/2 (one – two) projects on Community Development / Gender Development / Inclusive	Conducting Gender Audit Developing Diversity Index Facilitating Scholarships for the	One Certificate / PG Diploma Course on Skill Intensive/ Developmen t Issues (e.g. Technical

	/ Disability Issues etc.	other forms of technical and interpersonal skills	other forms of technical and interpersonal skills	Development or other relevant issues	underprivileged student members	Writing/ Child Rights and Governance.
2020 -21	Four (4) Workshops/ Seminars on Gender/ Human Rights/ Inclusive Social Development / Disability Issues etc.	Two (2) Capacity Building Programmes on Pre-placement Grooming, Communicative English and other forms of technical and interpersonal skills	Two (2) Capacity Building Programmes on Pre-placement Grooming, Communicative English and other forms of technical and interpersonal skills	1/2 (one – two) projects on Community Development / Gender Development / Inclusive Development or other relevant issues	Conducting Gender Audit Developing Diversity Index Facilitating Scholarships for the underprivileged student members	One Certificate / PG Diploma Course on Skill Intensive/ Development Issues (e.g. Technical Writing/ Child Rights and Governance

4.2: SC/ST CELL

The SC/ST Cell was set up under the Notification No F 15-2/GA-II (SCT)/3638-A dated 16.10.07. The main function of the Cell is to see that the students belonging to the SC and ST categories get their dues as per the provisions of the rules and policies adopted by the Government of India. Further, the Cell takes care of such students in various developmental activities, academic or otherwise, contributing to their holistic development. The Cell oversees various activities of the University to ensure that the reservation policy of the government is followed in letter and spirit in admission, recruitment, allotment of residential quarters, release of scholarship, etc. The Cell carries out its activities as per the guidelines received from the MHRD/UGC from time to time. The Cell is headed by a Liaison Officer and is assisted by a supporting staff.

Vision
The Cell envisions to creating and maintaining an SC/ST friendly environment at the University conducive to equal growth with the opportunities provided by the Government of India.

Mission
- To achieve the Mission through awareness generation, assistance and proactive initiatives for various programmes, curricular or co-curricular, deemed to be necessary for the growth of the SC/ST students and staff.

Objectives:
- To supervise the implementation of the reservation policy for SC/ST students and employees of the University.
- To collect data regarding the implementation of policies in respect of admission, appointment to teaching and non-teaching positions at the University; to analyze the data showing the trends and changes towards fulfilling the required quota.

Functions:
- Monitoring the admission of SC/ST students to various courses.
- Guiding the staff of the Student Services Branch about the rules of reservation and the fee concession.
- Maintaining liaison with the Social and Tribal Welfare officers in the State for obtaining scholarships extended to the SC/ST students.
- Preparing and furnishing the detailed enrolment list of SC/ST students to the Ministry of HRD/UGC every year.
- Settlement of un-disbursed amounts and sending the Utilization Certificates to sanctioning agencies.
- Conduct of pre-entrance coaching for JEE for SC/ST students.
- Dealing with the representations from the SC/ST students.
- Functioning as a Grievances Redress Cell for SC/ST students and employees.
- Maintaining a register of the details of employment of SC/ST candidates in various posts at the University.

The Advisory Committee :

The SC/ST cell has an Advisory Committee under the Chairmanship of the Vice-Chancellor with members from the teaching Departments and other stake holders.

The Coordination Committee :

The University has formed a Coordination Committee to coordinate and organize special programmes on various identified areas such as coaching, communicative skills, personality development, counselling, etc. meant for SC/ST students. Extra tutorial classes are also organized in the teaching departments for the benefit of those students who need such efforts.

Milestones achieved since inception
- Around 100% success in following the guidelines of the MHRD/UGC in implementing the reservation policy for SCs and STs.
- 100% success in liaisoning with the concerned offices of the Government of Assam in bringing scholarships extended to the SC/ST students.
- Settlement of un-disbursed amounts and sending the Utilization Certificates to sanctioning agencies.
- Conduct of pre-examination coaching for various competitive examinations for SC/ST students.

- Active Grievances Redress for SC/ST students and employees.
- Maintaining the Grievance Register for students and employees.

Strategic Priorities:

Priorities	Details	Measurement criteria to judge progress
Outstanding teaching learning and research	Remedial coaching on the prescribed courses (department-wise)	• Feedback from the teachers, students.
Outstanding facilities and resources (Proposed)	**Dr. B.R. AMBEDKAR CENTRE FOR SOFT SKILLS DEVELOPMENT** with all sophisticated amenities for organizing development related academic and extra academic programs with aegis from the SC/ST Sub Plan, MHRD, GoI.	
Meeting employers' need	Through organizations of need-based grooming programmes / workshops based on recruiters' feedback.	• Feedback from the recruiters & participants. • Quality Audit
Supporting local communities	• Sensitization and Awareness Programmes. • Connecting to the relevant government agencies.	• Feedback from participants and Quality Audit
Investing in people	• Capacity Building Programmes for students. • Sensitization Programmes for students, employees and community. • Grievance redressal mechanism regarding academic, administrative or social problems.	• Feedback from participants and Quality Audit
Financial strength	Supported by Government of India, MHRD and the UGC.	

Detailed Planning (Year-Wise Timeline), viz. 2016-17, 2017-18, 2018-19, 2019-20, and 2020-21 :

Year	Sensitization Programmes	Capacity Building Programmes	Assessment Criteria

2016-17	Two (2) awareness camps on various schemes and scholarships meant/available for SC/ST students. One (1) Awareness Programme on various schemes, fellowships scholarships, employment opportunities available for SC/ST students (Local Community).	• One (01) three-week coaching programme for UGC-CSIR NET. • One (01)coaching programme for central/state civil and allied services • One (01) coaching programme for Bank Probationary Officers' /Asstt. Administrative Officers' of insurance companies/SSC combined graduate level examinations. • Two (02) Workshops/Training Programmes on improving communicative proficiency and other soft skills. • To organize one (01) programme on personality development and interview-facing techniques. • One (01) School-wise career counselling programme.	• Number of successful students at various examinations. • Participation of students in various public events showcasing their skills.
2017-18	Two (2) awareness camps on various schemes and scholarships meant/available for SC/ST students. One (1) Awareness Programme on various schemes, fellowships scholarships, employment opportunities available for SC/ST students (Local Community).	• One (01) three-week coaching programme for UGC-CSIR NET. • One (01)coaching programme for central/state civil and allied services • One (01) month-long **Yoga Practice Programme.** • Two (02) Workshops/Training Programmes on improving communicative proficiency and other soft skills. • One (01) **motivational lecture on "Making My Contribution to Societal Growth"** by an eminent person. • One (01) School-wise career counselling programme.	• Number of successful students at various examinations. • The attitudinal behaviour of students.
2018-19	Two (2) awareness camps on various schemes and scholarships meant/available for SC/ST students. One (1) Awareness Programme on various schemes, fellowships	• One (01) three-week coaching programme for UGC-CSIR NET. • One (01)coaching programme for central/state civil and allied services • One (01) **week-long workshop on research methodology** for aspiring SC/ST students. • Two (02) Workshops/Training Programmes on improving communicative proficiency and other soft skills.	• Number of successful students at various examinations. • Publications of research

			papers.
	scholarships, employment opportunities available for SC/ST students (Local Community).	• To organize one (01) field visit programme - **Reaching out to the remote areas.** • One (01) School-wise career counselling programme.	
2019-20	Two (2) awareness camps on various schemes and scholarships meant/available for SC/ST students. One (1) Awareness Programme on various schemes, fellowships scholarships, employment opportunities available for SC/ST students (Local Community).	• One (01) three-week coaching programme for UGC-CSIR NET. • One (01)coaching programme for central/state civil and allied services • One (01) day-long programme on **"Know your land, know your people"** inviting celebrities from the academia or other allied fields. • To organize one (01) programme on personality development and interview-facing techniques. • One (01) School-wise career counselling programme.	• Number of successful students at various examinations. • Participants' feedback.
2020-21	Two (2) awareness camps on various schemes and scholarships meant/available for SC/ST students. One (1) Awareness Programme on various schemes, fellowships scholarships, employment opportunities available for SC/ST students (Local Community).	• One (01) three-week coaching programme for UGC-CSIR NET. • One (01)coaching programme for central/state civil and allied services • One (01) workshop on **"The New Trends in Career Development"** with a senior personality from the Industry. • One (01) **Participatory Panel Discussion on "Internationalization of education : The need of the hour"** with eminent academicians from internationally reputed institutions. • One (01) School-wise career counselling programme.	• Number of successful students at various examinations. • Participation of students in various public events.

4.3 : TRAINING & PLACEMENT CELL

One of the unique features of Tezpur University is the presence of a Training & Placement Cell which assists and guides the students in choosing and developing their careers. This facility was created way

back in 1996 when the concept was not in the list of priority in other similar institutions of the country. Today, the Cell is a hub of career related activities including training of students in identified areas, establishing and maintaining a sound relationship with recruiting organizations, facilitating recruiting events and finally placement of students.

Over the years, the Cell has been making all out efforts to increase the percentage of placement with its limited resources. While it has been successful in engineering and management disciplines, it has not been able to make a major breakthrough in science, humanities and social science disciplines for the basic reason that the recruiters are ready to consider the students of these disciplines only after they pass out. However, a majority of such students get recruited after they leave the campus.

The placement scenario has shown a satisfactory trend in the last five years except in 2013 when the success rate went down owing to the world-wide slowdown of IT business. However, it picked up in 2014 and the year 2014–2015 has witnessed an unprecedented success in placements at TU with 41 organizations recruiting 166 students from the University (the placement trend is shown in Table 1 below). Even a number of students from the Schools of Sciences and Humanities & Social Sciences got placement on campus. The placement process is still going on and more students are expected to be recruited by the end of July 2015. The Cell is going ahead with new strategies for enhancing the placement scenario in the coming years.
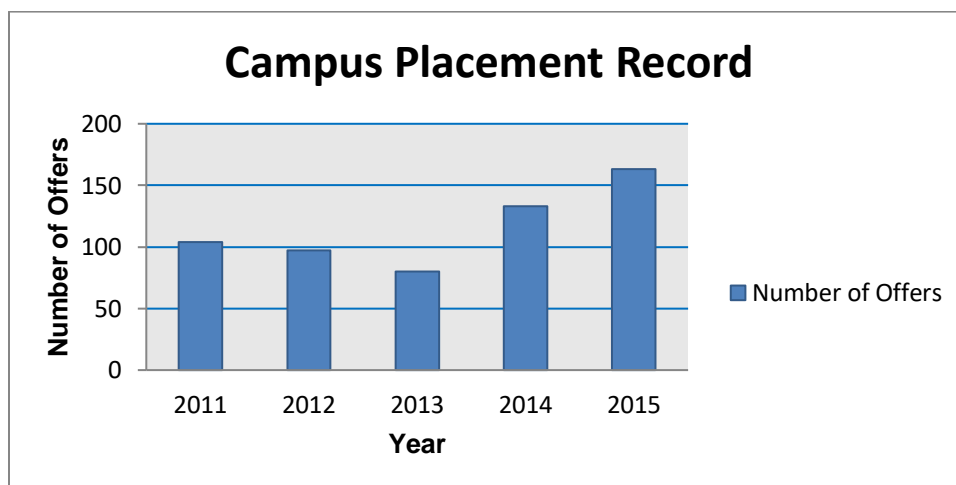

Figure 1

Future state that would like to be attained after 5 years:
- The Training & Placement Cell as a centre for career development for the students of TU as well as those from institutions around the University.
- Achieving 100% placement for engineering and management students who wish to go for a job.
- 100% assistance to all students in identifying their career objectives and also help them to achieve academic/career progress.

- To identify the *entrepreneurial* skills among students and train them as good *entrepreneurs.*
- Introduction of short-term certificate/diploma programme to enhance employability.
- Collaborating with different leading organizations for conducting various events, speaker series, panel discussions, conferences, workshops, competitions and job fairs.

The long-term and short-term goals and milestones:

Long-term Goals
- To be counted as one of the best personality transformation and grooming centres for students to enable them to get the best of placements at the national and international level.
- To be recognized as an institute having one of the best entrepreneurship development cells at the national level.
- To emerge as a hub of career growth in the North-east India with all state-of-the-art facilities.
- To enter into maximum collaborative partnerships with globally leading industries and professionals to attain the status of a nationally and internationally reputed institution.
- To proactively interact with industries and seek their co-operation in training, project work for students, final placement as well as, be active players in the overall improvement of academic ambience.

Short-term Goals
- To run capsule programmes for personality development and other identified areas with an objective of enhancing the employability of students and to ensure minimum 60% placements for every batch on an average.
- Contacting at least 20% more industries and inviting them for campus interviews.
- Effectively carrying out institute-industry-interaction in terms of mutual contacts, exchange of information & ideas, arranging visits and technical talks from industrial experts,
- To conduct minimum one corporate symposium in two years to enhance the employability of the students.
- To tie up with more internationally recognized organizations in next two years.

Milestones need to be achieved
- 2016-17 : 100% assistance to all students in identifying their career objectives and also help them to achieve academic/career progress.
- 2017-18 : Online portal- linkage between TU students & employers
- 2018-19 : Achieving 100% placement for engineering and management students who wish to go for a job.
- 2019-20 : To organize (01) Summit on Sustainable Institute -Industry Partnership.

- 2020-21 : Online portal- linkage between TU students, alumni & employers. Full-fledged infrastructure facilities for Training & Placement Cell.

Seeking People's Commitment to Goals
- Need based programmes
- Motivate & inspire the people.
- Delegating the responsibility and make them accountable
- Participatory decision making

Support System for Resource Planning
- Inter Department Collaboration for infrastructure & man power
- Collaborations with Organisations & Institutions
- Create good networks
- Team work

Monitoring Mechanism for Progress
- Annual review of activities
- Quality Audit
- Periodical reporting
- Feedback from recruiters/students/faculty.
- Annual placement committee meetings

Vision

The Cell envisions for itself a sustained excellence in training, placement and career orientation and acting as a centre of career growth.

Mission
- To provide focused training on aptitude tests, group discussions, communication skills, soft skills and overall personality development to enhance the employability of the students.
- To make the students aware about the corporate culture, entrepreneur development and career opportunities by organizing guest lectures, workshops, seminars and industrial trainings by experienced personnel from the Industry.
- To partner with renowned organizations from the Industry and organize recruitment drives for our students within and outside the campus.

Objectives
- To create awareness among students develop/clarify their academic and career interests, and their short and long-term goals through individual counselling and group sessions.
- To guide the students develop and implement successful job search strategies required for achieving their career objectives.

- Working with faculty members, departmental heads and administrators to integrate career planning and academic curriculum as well as coordinate Project Work/Summer Training/Internship programmes.
- To serve the community by providing access to our campus-wide activities and career resources.
- To empower students with life-long career decision-making skills.
- To provide resources and activities to facilitate the career planning process.
- Up gradation of the students' skill sets commensurate with the expectations of the Industry.
- Generation of awareness in the students regarding future career options available to them.
- To identify suitable potential employers and help them achieve their hiring goals.
- To act as a bridge between students, alumni and employers.
- Taking feedback from industry and to provide inputs for curriculum updation.
- Assisting our students in obtaining final placements in reputed companies.

Milestones Since Inception

1996 : Establishment of Training and Placement Cell.

2006 : New need-based strategies prepared for attracting employers by floating the *TU Brand*.

2008 : Began to train and orient students to fit to the employers' needs.

2009 : First week-long training programme on Communication Skill and Personality Development organized.

2010 : DRDO conducted campus recruitment drive for the first B.Tech Batch.

2011 : Tata Consultancy Services, Sony India and Capgemini accredited Tezpur University for campus recruitment.

2011 : Reserve Bank of India, Export & Import Bank conducted their first recruitment drive at Tezpur University.

2012 : Microsoft conducted its first recruitment drive for Tezpur University Engineering students.

2012 : 100% placements for MBA students.

2013 : Vodafone, Broadcom & Dabur India started hiring from Tezpur University.

2014 : Oil India Ltd. started hiring Tezpur University's engineering students

2014 : NEDFi, National Handloom Development Corporation, Power grid Corporation of India recruited from TU.

2015 : Tech Mahindra conducted pool campus drive for entire northeast at Tezpur University.

2015 : Wipro Technologies empanelled Tezpur University and started hiring from TU.

Strategic Priorities:

Priorities	Details	Measurement criteria to judge progress
Outstanding	• **Online portal:** linkage between TU students, alumni &	

facilities and resources (including future requirement)	employers. • **Infrastructure facilities**: 500 Capacity PPT/Seminar Hall, 2 Conference/GD Halls with video conferencing facility, 2 halls to conduct online exams (computers may be sponsored by IT companies) 10 interview rooms, waiting area for 200 (proposed). • **Human resources:** Training and Placement Officer and an Office Assistant is existing within the Cell. One Training and Placement Assistant is required (proposed).	
Meeting employers' need	• Training programmes on resume writing, aptitude tests, group discussions, communication skills, interview-facing techniques, personality development etc. • Recruiter's feedback based training • Invite resource persons from the industry for interactive sessions with the students. • Good Infrastructure facilities to conduct recruitment drives • Placement Committee meetings to discuss the feedbacks from the recruiters & to implement new strategies for improving placements.	• Feedback from participants • Quality Audit
Supporting local communities	• Community Development Programmes for skill development and enhancing employability	Feedback from participants and Quality Audit
Investing in people	• Career counselling for students • Capacity Building Programme for Students. • Facilitate capacity building for faculty in collaboration with industry • Capacity Building Programme for Community Members to enhance employability	• Feedback from the participants • Quality Audit
Financial strength	• Fund from the University as an administrative department • Fee collected from the students at the time of admission • Funding agencies for organizing community initiatives / entrepreneurial development	• Financial Audit
Internationalization	• Collaborated with MNCs like TCS, Infosys, Microsoft, Vodafone, Wipro, Tech Mahindra, etc. • Greater thrust on collaborating with industries of	• Feedback • Quality Audit

	international repute.		

Perspective Plan (Year-wise Timeline)

2016-17

Priorities	Proposed Activities	Expected Output	Funding	Mechanism to monitor the progress
Training	To organize (02) training programmes on resume writing, aptitude tests, group discussions, communication skills, interview-facing techniques. (in collaboration with EOC)	To enhance the employability of students as per the employers' requirements/ feedback.	TU	Number of students placed out of the students attended training programme.
	To conduct (02) training workshops/programmes on personality development (in collaboration with EOC)	To Improve the overall Personality of students	TU	Students' ability to demonstrate the skills on various occasions.
	To conduct (01) Career Counselling Programme for pre-final year students.	Awareness among the targeted students about career options available visa-a-vis their skills and interest.	TU	The participants' ability to choose the right career.
	To organize (01) Sensitization Workshop in the field of social entrepreneurship (in collaboration with Entrepreneurship Development Institute of India)	Creating awareness about social entrepreneurship as a career.	Sponsorship	Interest in social entrepreneurship among the participants; feedback to be collected.
Placements and	To contact more than 500 organizations including	Making the organizations aware	TU	Compare with the number of

Priorities	Proposed Action	Expected Out Put	Fund	Mechanism to monitoring the progress
Industry-Institute Partnership	MNCs, PSUs, government agencies and reputed NGOs	of TU and its students' quality		organizations that visited/recruited in the previous years.
	To invite (04) resource persons from the industry for interactive sessions with the students.	Making the students aware of the work culture prevalent in the corporate world.	TU & Industry	Meeting the recruiters' satisfaction during interviews.
	Tie ups & Accreditations from Industries	Better Placement, scholarships & sponsorship.	TU & Industry	Number of Tie-ups & sponsorship
	To organize (01) industry-sponsored event.	Improving relationship with the industry.	Industries	Number of industrial experts /recruiters visiting the University.
	Periodic email notification on career opportunities in different organizations	Making aware about career opportunities & to improve placement.	TU	Number of responses/queries received from the students.
	Organise minimum (45) Pre-placement talks & Campus/pool campus & off campus drives for placements	Assist our students in obtaining final placement in reputed companies.	TU & Industry	Compare with Number of students placed previous years.
Supporting Local community	To organize 01 Career Counselling Programme for 11th & 12th std. students of the local schools.	Extending counselling services to the community and to help improve the University's relationship with the local community.	TU	Number of participants and their future course of action in choosing their careers.

2017-18

Priorities	Proposed Action	Expected Out Put	Fund	Mechanism to monitoring the progress
Training	To organize (02)	To enhance the	TU	Number of

	training programmes on resume writing, aptitude tests, group discussions, communication skills, interview-facing techniques. (in collaboration with EOC)	employability of students as per the employers' requirements/feedback.		students placed out of the students attended training programme.
	To conduct (02) training workshops/programmes on personality development (in collaboration with EOC)	To Improve the overall Personality of students	TU	Students' ability to demonstrate the skills on various occasions.
	To organise (1) workshop on Self - Employment for Engineering / Management Students (in collaboration with Entrepreneurship Development Institute of India*)*	To create self-employment.	Sponsorship	Number of Participants & their future course of action
	To conduct (01) Career Counselling Programme for pre-final year students.	Awareness among the targeted students about career options available visa-a-vis their skills and interest.	TU	The participants' ability to choose the right career.
Relevant and responsive curriculum	Collaborating with Entrepreneurship Development Institute of India, to begin a DIPLOMA IN ENTREPRENEURSHIP AND BUSINESS MANAGEMENT	To create self-employment.	Collaboration with Entrepreneurship Development Institute of India	Number of Participants & their future course of action
Industry-	Visiting Mumbai/Pune	Make them aware	Based on	Compare with the

Institute Partnership & Placements	based Organisations	,convincing the quality & attract towards University	availability of fund (TU)	number of organisations visited previous years.
	To invite (04) resource persons from the industry for interactive sessions with the students.	Making the students aware of the work culture prevalent in the corporate world.	TU & Industry (Based on availability of fund)	Meeting the recruiters' satisfaction during interviews.
	Tie ups & accreditations from Industries	Better Placement, scholarships & sponsorship.	TU & Industry	Number of Tie-ups & sponsorship
	To contact more than 550 organizations including MNCs, PSUs, government agencies and reputed NGOs	Making the organizations aware of TU and its students' quality	TU	Compare with the number of organizations that visited/recruited in the previous years.
	Oragnise minimum (50) Pre-placement talks & Campus/pool campus & off campus drives for placements	Assist our students in obtaining final placement in reputed companies.	TU	Compare with Number of students placed previous years.
	To organize (01) industry-sponsored event.	Improving relationship with the industry.	Industries	Number of industrial experts /recruiters visiting the University.
	Periodic email notification on career opportunities in different organizations	Making aware about career opportunities & to improve placement.	TU	Number of responses/queries received from the students.
Facilities	Online portal- linkage between TU students & employers by 2018.	Help to improve Placements	TU	Compare with Number of students placed with previous years.

Supporting Local community	To organize (01) workshop on Young Women Entrepreneur Development programme.	Empowering women & improve the relationship with the local community.	Sponsorship	Number of Participants & their future course of action

2018-19

Priorities	*Proposed Action*	*Expected Out Put*	*Fund*	*Mechanism to monitoring the progress*
Training	To organize (02) training programmes on resume writing, aptitude tests, group discussions, communication skills, interview-facing techniques. (in collaboration with EOC)	To enhance the employability of students as per the employers' requirements/feedback.	TU	Number of students placed out of the students attended training programme.
	To conduct (02) training workshops/programmes on personality development (in collaboration with EOC)	To Improve the overall Personality of students	TU	Students' ability to demonstrate the skills on various occasions.
	To conduct (01) Career Counseling Programme for pre-final year students.	Awareness among the targeted students about career options available visa-a-vis their skills and interest.	TU	The participants' ability to choose the right career.
Industry-Institute Partnership & Placements	To invite (04) resource persons from the industry for interactive sessions with the students.	Making the students aware of the work culture prevalent in the corporate world.	TU & Industry (Based on availability of fund)	Meeting the recruiters' satisfaction during interviews.
	Tie ups & Accreditations from Industries	Better Placement, scholarships & sponsorship.	TU & Industry	Number of Tie-ups & sponsorship
	To contact more than 600 organizations including MNCs,	Making the organizations aware of	TU	Compare with the number of

	PSUs, government agencies and reputed NGOs	TU and its students' quality		organizations that visited/recruited in the previous years.
	Oragnise minimum (55) Pre-Placement Talks & on-campus/pool campus/off-campus drives for placements	Assist our students in obtaining final placement in reputed companies.	TU	Compare with Number of students placed previous years.
	To organize (01) industry-sponsored event.	Improving relationship with the industry.	Industries	Number of industrial experts /recruiters visiting the University.
Supporting Local community	To organize (01) Career Counseling Programme for 11th & 12th std. students of the local schools.	Extending counseling services to the community and to help improve the University's relationship with the local community.	TU	Number of participants and their future course of action in choosing their careers.

2019-2020

Priorities	*Proposed Action*	*Expected Out Put*	*Funding*	*Mechanism to monitoring the progress*
Training	To organize (02) training programmes on resume writing, aptitude tests, group discussions, communication skills, interview-facing techniques. (in collaboration with EOC)	To enhance the employability of students as per the employers' requirements/feedback.	TU	Number of students placed out of the students attended training programme.
	To conduct (02) training workshops/programmes on personality development (in collaboration with EOC)	To Improve the overall Personality of students	TU	Students' ability to demonstrate the skills on various occasions.
	To conduct (01) Career Counseling Programme for pre-final year students.	Awareness among the targeted students about career options available	TU	The participants' ability to choose

		visa-a-vis their skills and interest.		the right career.
Industry-Institute Partnership & Placements	To organize (01) Summit on Sustainable Institute - Industry Partnership	To improve the relationship with different industries	Sponsorship	Number of officials participated from different organization & future number of placements.
	Visiting Delhi/Gurgaon based Organisations	Make them aware and attract/convince them about the quality of students at the University	TU (based on availability of fund)	Compare the number of organisations visited with previous years.
	To invite (04) resource persons from the industry for interactive sessions with the students.	Making the students aware of the work culture prevalent in the corporate world.	TU & Industry (Based on availability of fund)	Meeting the recruiters' satisfaction during interviews.
	To increase the tie ups & accreditations from Industries	Better placements, scholarships & sponsorships.	TU & Industry	Number of tie-ups & sponsorship
	To contact more than 600 organizations including MNCs, PSUs, government agencies and reputed NGOs	Making the organizations aware of TU and its students' quality	TU	Compare with the number of organizations that visited/recruited in the previous years.
	Oragnise minimum (60) Pre Placement Talks & campus/pool campus & off campus drives for placements	Assist our students in obtaining final placement in reputed companies.	TU	Compare with the number of students placed in previous years.
	To organize (01) industry-sponsored event.	Improving relationship with the industry.	Industries	Number of industrial experts /recruiters visiting the University.

Facilities	Online portal- linkage between TU students, alumni & employers by 2020	Help to improve placements & alumni relations	TU	Compare with number of students placed in previous years.
Supporting Local community	Organise (1) Panel Discussions on Education to Employability in Assam/Northeast India	To improve employability	TU	Publication & implementation

2020-2021

Priorities	*Proposed Action*	*Expected Out Put*	*Funding*	*Mechanism to monitoring the progress*
Training	To organize (02) training programmes on resume writing, aptitude tests, group discussions, communication skills, interview-facing techniques. (in collaboration with EOC)	To enhance the employability of students as per the employers' requirements/feedback.	TU	Number of students placed out of the students attended training programme.
	To conduct (02) training workshops/programmes on personality development (in collaboration with EOC)	To Improve the overall Personality of students	TU	Students' ability to demonstrate the skills on various occasions.
	To conduct (01) Career Counseling Programme for pre-final year students.	Awareness among the targeted students about career options available visa-a-vis their skills and interest.	TU	The participants' ability to choose the right career.
Industry-Institute Partnership & Placements	To invite (04) resource persons from the industry for interactive sessions with the students.	Making the students aware of the work culture prevalent in the corporate world.	TU & Industry (Based on availability of fund)	Meeting the recruiters' satisfaction during interviews.
	Tie ups & Accreditations from Industries	Better placement, scholarships &	TU & Industry	Number of Tie-ups &

			sponsorships.		sponsorship
	To contact more than 600 organizations including MNCs, PSUs, government agencies and reputed NGOs	Making the organizations aware of TU and its students' quality	TU	Compare with the number of organizations that visited/recruited in the previous years.
	Oragnise minimum (65) Pre-Placement Talks & Campus/pool campus & off campus drives for placements	Assist our students in obtaining final placement in reputed companies.	TU	Compare with the number of students placed in previous years.
	To organize (01) industry-sponsored event.	Improving relationship with the industry.	Industries	Number of industrial experts /recruiters visiting the University.
Facilities	Full-fledged infrastructure facilities for Training & Placement Cell by 2021	Hassle-free campus /pool campus drives & also to attract oransations	TU	Students & recruiters' feedback.
Supporting Local community	Organise (1) workshop on Livelihood Generation through Skill Training for School Dropouts.	To help them to become an earning member	TU	Feedback from the participants
	To organize (01) Career Counselling Programme for 11th & 12th std. students of the local schools.	Extending counselling services to the community and to help improve the University's relationship with the local community.	TU	Number of participants and their future course of action in choosing their careers.

The Centre for Inclusive Development aspires to be a meaningfully effective centre in the field of action research and development in a span of five years from now. The following are the general targets that the Centre would endeavour to reach at the end of five years, i.e., in the year 2020-21:

Targets	Challenges	Steps to Overcome the Challenges
1. A full-fledged Centre with all infrastructural facilities for carrying out ground research to find out the real causes of backwardness/ marginalization in respect of SCs/STs/OBCs and other underprivileged sections of the society. It will be ensured that the findings do not remain confined to the papers and all efforts will be made for their implementation coordinating with the concerned government agencies/organizations. 2. The Centre would like to see itself as a pool of skilled manpower with at least 06 more persons –two each in the Equal Opportunity Cell, SC/ST Cell and Training & Placement Cell – equipped with the required expertise so that the mandated activities can be accomplished in time and with professionalism. 3. The stakeholders would see the Centre as a place for change and innovation, counselling and rehabilitation, inspiration and growth. All endeavours will be made with a proactive approach that the benefits reach out to the needy.	1. The main challenge is projected to be fund as the proposed projects are ambitious and will require a high amount of money to complete. 2. The second major challenge will be to find and retain the expert/skilled personnel. The University being located in a remote part of the country and the communication, particularly, air connectivity being poor, experts prefer joining other similar institutions located in more advantageous locations given a choice and opportunity.	1. Apart from the University, government agencies/departments will be approached for appropriate funding. 2. International agencies related to rural development, child welfare, etc. will be approached for sponsorship. 3. In order to find persons with the required expertise/skill, the proactive identification approach will be followed through which the right people will be identified reached by interpersonal and intergroup communication through various media.

Chandraprabha Saikinai Centre for Women's Studies

Vision of the Centre	The Chandraprabha Saikiani Centre for Women's Studies will be a nodal centre in the North East. It will serve as information centre, disseminate and coordinate important issues regarding women of the North East. It will be a platform for extensive research and teaching in women's studies.
Mission of the Centre	The CSCWS will function as a centre to coordinate and promote studies on women belonging to the diverse socio-cultural milieu of a multicultural North East India and the assimilation of women from marginalised tribal / non-tribal and ethnic groups trough outreach activities such as field study, advocacy, workshops to enhance awareness and to train manpower to conduct research in women studies. The centre shall connect, coordinate and construct a community of women who would significantly contribute towards meeting objectives of gender sensitization and empowerment in this region.
Objectives of the Centre	- Visibility of Women's Studies in North East - Gender sensitisation through extension activities - Women Empowerment - Courses to understand the diverse issues of the women of the North East in terms of caste, class, ethnicity, gender etc. - To increase the participation of women in higher education for gender equality.
Milestones achieved since inception	**Teaching:** **(2012-15)** Two Choice Based Credit Transfer courses namely 'Introduction to Women's Studies (WS-101)' and 'Introduction to Women's Studies (Project)(WS-102)' is taught to bring Women's Studies into focus and also to cultivate research attitude in Women's Studies discipline(Syllabus has been attached). Students from various departments including Cultural Studies,English and Foreign Languages, Sociology, Business Administration, Mass Communication and Journalism joined the course. Faculties from Tezpur Universty, Prof. Madhumita Borborah (Dept of English and Foreign Languages) , Dr. Hemjyoti Medhi(Dept of English and Foreign Languages) , Dr Madhurima Goswami (Head ,CSCWS), Dr Suchibrata Goswami (IPR Cell), Dr Rabin Deka (Dept. of Sociology), Dr Nirmali Goswami(Dept. of Sociology) had taken classes. Other than that faculties from outside of the University had been invited for giving lectures. Details have been given below-

A series of lecture was delivered by

i) Prof Aparna Mahanta (Retd. Professor, Dibrugarh University) on "The Creation of Patriarchy, Women's Studies as an Academic discipline, Women Studies in India", and different issues relating to gender in India from 1 to 6thApril 2013.

ii) On 23rd March Prof Geraldine Forbes from State University, New York, Oswego who is a Fulbright Nehru Scholar on a teaching fellowship delivered a talk on "Nature of Women Studies in India". She also highlighted the future research areas and asked researchers to take mission aimed at recovery and preservation of historical sources –family photographs, oral histories, folklore collection.

iii) Jarjum Ete, Secretary of National Alliances of Women and former Chairperson, APSCW had delivered a lecture on 'Question of Tribal Women' on 31st October 2012.

iv) Dr. M. Dolores Herrero, Professor of the Dept. of Fliogia Inglesa y Alemana, University de Zaragoza, Spain and Dr Annethe Gomis, University of Saragossa , Spain delivered lecture on 'Status of Women in Spain' and 'Feminism' accordingly on 5th February 2013.

v) A series of lectures was delivered on various topics related to "Women and Education with special reference to 19th century Assam", "Women and National Movement in Assam" by Prof. Shiela Bora, visiting Professor, Gauhati University from 4th – 7th March 2013.

vi) On 31st August 2012, Dr. Anungla Aier an eminent anthropologist and an expert in Women's Studies delivered a lecture on "Customary law practices and the issue of Gender Displacement". Dr. M. Dolores Herrero, Professor of the Dept. of Fliogia Inglesa y Alemana, University de Zaragoza, Spain and Dr Annethe Gomis, University of Saragossa , Spain delivered lecture on 'Status of Women in Spain' and 'Feminism' accordingly

One year PG Diploma Course on Women's Studies will be started from August, 2015.

Research(2012-15):

i) Two days seminar on Aging in North East India was held on October 1st and 2nd, 2013 in collaboration with Equal Opportunity Cell, Tezpur University.

ii) National seminar on Aging in India with special Reference to North East India was organized in collaboration with Equal Opportunity Cell, Tezpur University on 22nd and 23rd March 2014.

iii) Students of Women's Studies CBCT (Course Based Credit Transfer) worked and completed dissertations (2013-15) in different areas such as :

	- Role of Education in Determining the Status of Women in a Society, - Socio- Economic Condition of the Working Women in Napaam, - Health Status of Tea Garden Worker in Jorhat District and Behavioural Change Communication, - Woman and Education: A Comparative Study of the Presence of Women in Social Science and Technology, - To Analyse the Gender role of Assamese Women of the Late 18th century through the works of Trailokeswari Devi Baruani , - Representation of Women in AdvertisementMaternal Mortality among the Adivasi Women of Assam: a Study on Sonitpur District, - Experience of the Women Social Workers of Tezpur in the 1970s: An Interview and Analysis - Study of the role of mother in the changing society - A study on the socio-economic status of Adivasi women of Sonitpur district: Looking through the Photographs 'Widowhood' in Assamese Society: with Special reference to Golaghat District of Assam - Narratives of the Aged Women in Dharikatti Mishing Village. - Gender Inequality in Indian Service Sector: A Case Study of Indian Banking Sector. - A project report on women in sports - A report on women in the Indian Armed Forces - A Study on the women entrepreneurs in the town of Tinsukia - A Study on the Women in Organised Sector in the City of Guwahati - Status of women workers in Construction Industry of Guwahati city - Role of women in the Corporate sector within the Jorhat city **Training (2011-15):** i) Counselling program "Know your Self" focusing on the health, hygiene and education of adolescent girls. 18th March, 2011(One day) ii) Workshop on 'Many faces of Gender Inequality', 18th – 19th November, 2011 (two days) iii) Workshop on 'Women Studies as an academic discipline', 6th – 7th March, 2012 (two days) iv) Workshop on 'Nature of Women Studies in India'. 23rd March, 2012(Two days) v) Workshop on 'Capacity Building Programme for Women in Higher Education', 3rd – 7th September, 2012 (Five days)

	vi)	Training for school students during celebration of birth and death anniversary of Chandraprabha Saikian,16th March, 2013 (One day)
	vii)	Two days seminar on Aging in North East India was held on collaboration with Equal Opportunity Cell, Tezpur University, 1st and 2nd October, 2013 (two days)
	viii)	A workshop on 'Gender Sensitization and Awareness' on the eve of death and birth anniversary of Chandraprabha Saikiani, 15th March 2014 (One day)
	ix)	National Seminar on Aging in India with special Reference to North East India, 22nd – 23rd March, 2014(two days)
	x)	An interaction cum awareness program on "Security for Women at Workplace", 26th May, 2014 (One day)
	xi)	Workshop on 'Capacity Building Programme on Women Leadership and Participation' 27th -28th November, 2014 (two days)
	xii)	A training programme on "Gendered Teaching: Pedagogical practices" on the occasion of birth and death anniversary of Chandraprabha Saikiani, 16th March, 2015 (One day)

Publicaion: (2012-15)

i) Goswami M., "Kherai of the Bodos: Imagination of their world" International Journal of physical and Social sciences, Vol. 3 Issue. 187-100, (2013)

ii) Mahanta M., Double Stigmatization: Fighting with Mental Illness and Womanhood' International Journal of Humanities and Social Sciences,Vol. 2.No-2 .129-134 (2012)

iii) M. Mahanta, Mental Health and Contemporary Society of Assam: A Study from Gender Perspectives, Contemporary Discourse Vol.3,No.125-291 (2012)

iv) M. Mahanta, Myth Stereotype and Illness: It's Effect on Human Life International Review of Social Sciences and Humanities,Vol. 2,No.7, 2230-235,(2012)

v) Goswami M., Intangible dimension of the Kherai Ritual Site Indian Journal of Applied Research Vol4.,No.3,80-83, (2013)

vi) Goswami. M, The Bodos :Culture and Society, Journal of Social Sciences , Vol,1 No188-103 (2012)

vii) Goswami G. Constructions of sacred space: the spatial dimensions of the Kherai Altar Journal of Research , Extension and Development , Vol.2 No.3, 140-146, (2012).

viii) M. Mahanta Women and Mental Health: A Case Study of Sonitpur District' Women and Mental Health/ NIMHANS, Bangalore and Flinders University,

	Australia , 48-56 (2010)
	ix) Goswami.M, Contesting Women's Studies Gender in different Cultural and National Contexts: / Nagaon Collage, Upcoming) January, 2015
	x) Goswami. M, Status and Challenges of North East Women: Quest for Humanities Gender in Changing . World/Women's World Congress, Upcoming, 2015.
	xi) Mahanta. M, Impact of Political Violence in Women's Mental Health Gender in Changing World / Women's World Congress, Upcoming, 2015
	xii) M.Mahanta "Axomor Sangbad Jagatat Saptahik Dhansirir Pramulyabudhar Samu Alokpaat'' 'Samajpran Apurba Kumar Baruar Jiban Ayan'/ Prafulla Pran Mahanta Dhansiri Nyas and Golaghat PressClub, 23-26, 2013
	xiii) M.Mahanta, Chandraprabha Saikiani: Personality and Progress Agnikanya Chandraprabha Saikiani: A Collection of Articles, Tezpur University Publication, 48-56, 2014
	xiv) Goswami.G, Performance Studies Cultural Studies: Perspectives from North East India Tezpur University Publication,105-115, 2010
	xv) M.Mahanta, Globalization , Women and Mental Health: A Case Study of Sonitpur District of Assam'Women's Narratives from North East India: Lives from the Margin Sage Publication, 2015 (upcoming)
	xvi) M.Mahanta, Traditional Dress and Ornaments of Karbi People and Adaptation of Modernity' SamajSanskarak Jaisaing Doloir Jibon Darsan Aru Karbi Anglong Jaising Doloi fufu publication 201-203,2011
	xvii) M.Mahanta, A book on 'Women, Society and Mental Health: Narratives of Solitude' (Mittal Publication)
	xviii) Hindi translation of the 'Kavitamala of Chandraprabha Saikiani'.
	xix) Publication of book on issues of Women in North East India .
	Monographs:
	i) G.Madhurima, Chandraprabha Saikiani: A Tribute Women's Studies Centre, Tezpur University, March 2012
	ii) G.Madhurima, Chandraprabha Saikaini: Life and Struggle Women's Studies Centre, Tezpur University March 2013
	News Letters:
	i) G.Madhurima, Varta Women's Studies Centre, Tezpur University ,

	March 2012
	ii) G.Madhurima, Varta Women's Studies Centre, Tezpur University , March 2011

Field action 2011-15):

i) Counselling program "Know Your Self" organized on 18th March, 2011 focusing on the health, hygiene and education of adolescent girls, Naapam Girl's School, Tezpur

ii) A debate competition titled "Gender equality is a myth" was held by CSCWS in collaboration with department of Hindi on 25th October, 2011. The University students, research scholars participated, in the competition.

iii) Presentation by students was done on different themes like 'Women and Violence', Women and Health' and 'Women and Media' on eve of International Women's Day 8th March 2013.

iv) A community extension programme was arranged in Naapam area of Tezpur on 'Women's Right' in collaboration with Adhar (NGO) on 8th March 2013.The programme focused on the issues related to women and legal rights.

v) Community extension programme on "Violence against Women" was organized in collaboration with THE EAST, NGO on 13th March, 2013 at Tezpur University.

vi) On 8th March 2014, International Women's Day was celebrated by the Centre. Prof. Sucheta Sen Chaudhury, from Jharkhand University was present as the Guest of Honor in the programme. The members of Pragati Women's Association made their contribution in this programme by delivering gender sensitive speech and songs. Prof Charulata Mahanta, Dean Research and Development, Tezpur University, spoke on women and education scenario in India. CBCT students of Women's Studies presented drama, skits on different issues and themes like 'women and sexual violence', 'women and domestic violence' and women and women's right' 'women and education" etc

vii) One day Workshop was organized on Gender Sensitization in St. Joseph Convent Higher Secondary School in Tezpur on the eve of death and birth anniversary of Chandraprabha Saikiani (15th March 2014). Forty students of St. Joseph Convent Higher Secondary School actively participated in the workshop. CBCT students of Women's Studies presented skits on different issues related to women, especially on gender crime and domestic violence. A short life history of Chandrapabha Saikiani was also delivered

<table>
<tr><td></td><td>

in the workshop. Writes-ups were also distributed amongst the students for generating awareness.

viii) A preliminary survey was conducted in Amolapam on 3rd May, 2014 by the members of CSCWS.

ix) An awareness-cum-interaction programme was organized by the Centre on "Security for Women at Workplace" on 26th May, 2014. The awareness program was organized in the wake of Dr. Sarita Toshniwal who was murdered in the Assam Medical College Hospital.

x) CSCWS organized an awareness and sensitization program on 12th August, 2014 in the M.V. School, Napaam among the womenfolk of Amolapam. The working of women's organisation, specific women's issues like property rights, domestic violence and domestic labor was discussed.

xi) Chandraprabha Saikiani Centre for Women's Studies in collaboration with National Service Scheme, Tezpur University organised two days training programme on 'Capacity Building Programme on Women Leadership and Participation' sponsored by Rajiv Gandhi Institute of Youth Development, Tamilnadu on 27/11/2014 and 28/11/2014. Forty women from different Gaon Panchayats of Tezpur participated in the programme. The participants were from Amolapam Gaon Panchayat, Napaam Gaon Panchayat and Panchmile Gaon Panchayat. Women leaders like President of Tezpur Zila Parishad, Jeuti Mahila Samiti and some other members of Tezpur Zila Parishad were included among the forty participants.

xii) Students and Research Scholars of Tezpur University presented various programmes on the topic 'Creative Expression' on various issues of women on International Women's day on 4th March, 2015 at Tezpur University. Prof N.S. Alam , Dept of Chemical Sciences gave the inaugural speech . The gathering was comprised of members of faculty, students, staff of Tezpur University and members of Pragati Women Association.

xiii) Students of Women's Studies presented a street play focussing on "eve-teasing" in Napaam village , Sonitpur District on 8th March, 2013. Presentations were also done on different themes like 'Women and Violence', Women and Health' and 'Women and Media' on eve of International Women's Day 8th March 2013 by the students of Women's Studies Centre.

Linkages

The Centre regularly collaborates with different NGOs working on women related issues in the region to raise awareness. The centre collaborates with OKD Institute of Social Change and Development, Guwahati for research assistance

</td></tr>
</table>

and guidance.

The Centre also keeps regular communication with other NGOs based in Assam like The East, North East Network (NEN) and Global Organization for life Development (GOLD).

The Centre regularly interacts and works with other departments and schools, especially with the departments that come under the umbrella of Humanities and Social Sciences and also Business Administration.

The faculties of different departments like Cultural Studies, Sociology, English and Foreign Languages and Mass Communication help in taking classes as well as in organizing different activities in the Centre.

The centre had an interaction with Women's Study Centre of Dibrugarh University and OKD Institute of Social Change and Development, Guwahati and had planned to organize a workshop on different issues of Women Studies in North East India in August, 2015. The University interacts with colleges like Darrang College and Tezpur College so that they can participate in the activities organized by the Centre regularly.

The centre interacts with different schools around Tezpur and had organized the gender sensitization programmes among the students as well as among the teachers of these schools.

The Centre also interacts and collaborates with different Cells like Equal Opportunity Cell in organizing different activities

Details on capacity to Generate Resources:

- The centre has trained women's studies personal to run academic programmes, write project proposals and participate in policy making decisions.
- Trained in UGC Capacity Building programmes as master trainer, resource person.
- Well-equipped and trained to start training programmes, academic programmes etc.
- Adequate Networking with regional and national agencies to conduct programmes for up-liftmen of the centre.

Thrust Areas including Research Components of the Centre:-

Thrust areas:

i)   Women in the North –East: Changing Role and Status
ii)   Examine through a gender lens the interlink ages between cultural practices and social processes in the North East India.
iii)   To cover up the sector of health, gender and society.

 Research Components:
        Witch hunting, Customary laws, land alienation, succession laws, ethnic identity, diversity, mental health,   displacement, political violence, governance.

High lights of the Centre

- The centre is located within a diverse socio cultural and ethnographical unit of central Assam having the potentiality to conduct research on cross cultural issues.
- Centre with its special naming after notable social activist Chandraprabha Saikiani and her bust in front of the building has a unique place among the other Women's Studies Centres of North East India.
- The students passed with add on course in Women's Studies have been successfully engaged in projects funded by ICMR, ICSSR.

Each Department/Centre should articulate against perspective:

Priorities	Details	Measurement Criteria to judge progress
Outstanding teaching learning and research	- Will need qualified teachers in Women's Studies for effective teaching. - Will need lecture rooms for teaching, library space for students, and computer laboratory for students to work. - Working schedule will follow in line of lectures tutorials and field surveys	-Teacher student ratio = 1:10 -Placement will be offered in NGOs', WSC centres, developmental programmes, -Publication in due process
Relevant and responsive curriculum (with thrust areas	PG Diploma in Women's Studies	NA
Outstanding	Propose to set up an archival cum	NA

facilities and resources	documentation centre.	
Meeting employers' needs	Internship at prospective employer's organization Training programme as per employer's requirement	No of participants Quantitative analysis of employer's feedback

Supporting local community	• Training programmes for grass root women
	• Gender sensitization
	• Entrepreneurship programme for under matric women,
	   • advocacy programmes
	   • Mentoring and Networking with sister concerns.
		• 2 (per year)/50 beneficiaries/1L
		
		• 2 (per year)/50/1L
		• 1 (per year)/25/1L
		
		• 1 (per year)/25/1L
		
		• 1 (per year)/25/1L

Financial Strength	UGC funding Student fees	UGC funding : 33,0740/- Student fees :21,500 x 20

Detailed planning:

Will develop as a Nodal Centre in the North East India esp. in areas of research, mainly to focus on the women's issues in the North East

•   Upcoming semesters will also include trainings on documentation and communication for the grass root women.
•   To study new emerging issues and images of oppression /violence against women of North East India.
•   Propose to start MA course in Women's Studies.
•   Propose to start Ph.D programme in Women's Studies.
•   Enhancement of networking with new partners in the field like NGOs', Women's Organizations, Government agencies etc.
•   Eminent Scholars and experts in the field of women's studies will be invited as guest faculty and scholar in residence.
•   Intends to hold International conference on issues regarding women.

Editorial Team:

1. Dr. Anjan Bhuyan, Associate Professor, Dept. of Business Administration
2. Dr. Nayan Moni Kakoti, Associate Professor, Dept. of Electronics and Communication Engineering
3. Dr. Sudip Mitra, Assistant Professor, Dept. of Environmental Science
4. Dr. Arup Kumar Nath, Assistant Professor, Dept. of English and Foreign Languages

Steering Committee:

1. Prof. Subhranshu Sekhar Sarkar, Dean, School of Management Sciences
2. Prof. Shyamanta M. Hazarika, Head, Dept. of Computer Science and Engineering
3. Prof. Utpal Sharma, Director, Internal Quality Assurance Cell (IQAC)
4. Dr. Biren Das, Registrar
5. Shri Upakul Sarmah, Assistant Registrar (GA)

Proposal of Building projects to be submitted to MoE for HEFA funding

SL No	Name of the Buildings/ Facilities	Area in Sq.M	Estimated Cost (Rough) in Crore
1	2 Storied RCC Lecture Hall Complex-I for School of Engineering and Management Sciences	7745.00	40.54
2	RCC 4 Storied Academic Building for Department of Electrical Engineering	4538.00	31.11
3	RCC 4 Storied 100 Capacity International Hostel (with Hot water and Solar System	2271.00	11.88
4	Academic office for Examination & Academic Departments.	3000.00	20.57
5	RCC 4 Storied yoga and Gymnasium Centre	2973.92	15.56
6	RCC 4 Storied 200 capacity Studio apartments for Newly recruited staff	5617.80	29.41
7	500 Seater Boys Hostel	9762.55	51.11
8	500 Seater Girls Hostel	9762.55	51.11
9	RCC 4 Storied Type B Residential Building (2 Blocks X 12 Units)	4056.00	21.23
10	RCC 4 Storied Type D Residential Building (2 Blocks X 12 Units)	2800.00	14.65
11	Extension of the Department of Energy	653.00	4.47
12	Water Treatment Plant- III		5.50
13	Sewerage Treatment Plant		25.00
14	Storm water Drainage system		10.00
15	Construction of 11 KVA UG Cable Line for proposed Substation No-VI (Additional Plot)		1.24

16	Construction of 11KV/0.433KV 2 X 500KVA Substation No-VI (Additional Plot)		1.02
17	Installation of 3 Nos 500 KVA Silent DG Set (1 attached with the existing DG House near KBR Auditorium & 2 sets in the proposed Sub Station No-VI		1.37
18	Installation of LED Street Light at additional plot of SOE		0.53
19	Boundary wall for additional plot (Proposed Length of wall 6032 Metre		13.31
20	Internal Roads for additional plot.		11.15
21	Construction of 300 Capacity (G+2) single bedded Research Scholar Hostel for Men.	6000.00	40.96
22	Construction of 300 Capacity G+2) single bedded Research Scholar Hostel for Women.	6000.00	40.96

Proposal of Equipments to be submitted to MoE for HEFA funding

Sl. No.	Equipment Name	Quantity
1.	Sophisticated Analytical Instrumentation Centre (SAIC) FESEM (Field Emission Scanning Electron Microscopy)	1 no.
2.	SAIC-XPS (X-ray photo electron spectroscopy)	1 no.
3.	SAIC- Confocal Microscopy	1 no.
4.	SAIC-NMR (500- MHz)	1 no.
5.	SAIC-AFM (Atomic Force Microscopy)	1 no.
6.	SAIC-HR-MS (High Resolution Mass Spectrometry)	1 no.
7.	Department of Energy- TGA/DSC Hyphenated with FTIR	1 no.
8.	Department of Physics- Photoluminescence set up with accessories	1 no.
9.	Department of CSE- Computing node for cluster (HPC facility)	1 no.
10.	Department of Civil Engineering- Shake Table Actuators, Controller	1 no.