

BIO DATA



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- 3. Current Affiliation** Tezpur University,
Dist: Sonitpur,
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- 4. Date of Birth** 01-01-1971
- 5. Gender** Male

6. Academic Records

Name of Examination/ Degree/ Diploma	Year of passing	% of marks	Division/ Class/ Rank	Board/ University
(1)	(2)	(3)	(4)	(5)
HSLC/10 th Std.	1986	78.8 %	First division	SEBA, Assam
10+2 Std.	1988	78.5 %	First division	Assam Higher Secondary Education Council
Degree : B.Tech, Agricultural Engineering	1993	8.02/10.00 (CGPA)*	First rank	JNKVV, Jabalpur
Master's Degree : M.Tech, Dairy and Food Engineering	1995	9.30/10.00 (CGPA)*	First division	IIT Kharagpur
Ph.D. in Food Engineering	2011	NA	NA	IIT Kharagpur

6-a. If qualified in GATE, subject Year Percentile score

7. Details of Refresher Course/Orientation Course/Training Programs attended during the tenure of Associate Professor

Name of the course attended	Duration of the course		Organizer
	From	To	
[1]. Two week GIAN course on Bio-sensing Principles and Technologies	22/6/2016	2/7/2016	Tezpur University
[2]. One week Leadership Development Programme	29/2/2016	5/3/2016	UKIERI & UGC

[3]. Two-Week (Effective weightage) ISTE Workshop on Technical Communications	08/10/2015	05/12/2015	IIT Mumbai, through remote centre at TU
[4]. Two-Week (Effective weightage) ISTE Workshop on Introduction to Research Methodologies	25/06/2012	04/07/2012	IIT Mumbai, through remote centre at TU
[5]. NBA workshop on “Outcome based Accreditation”, in two phases (i) Phase –I (ii) Phase-II	05/03/2014	05/03/2014	NBA Nodal Centre, Royal Group of Institutions, Guwahati
	21/03/2014	23/03/2014	
[6]. Three days National Science Academies’ lecture workshop on Non Linear Dynamics	26/04/2011	28/04/2011	Tezpur University

8. Details of appointments:

Name of Institution	Designation	Period		Nature of appointment
		From	To	
(1)	(2)	(3)		(4)
N.E.R.I.S.T	Lecturer	08/02/96	07/02/01	Regular
N.E.R.I.S.T	Lect (Sr Grade)	08/02/01	31/12/05	Regular
N.E.R.I.S.T	Asstt Professor (SG)	01/01/06	08/11/07	Regular
Assam University Silchar	Reader	12/11/07	15/11/09	Regular
Tezpur University	Associate Professor	16/11/09	15/04/15	Regular
Tezpur University	Professor	16/04/15	Till date	Regular

9. Teaching Experiences (at Tezpur University, since 16/11/09):

(a) Courses taught, to PhD Scholars

FP701 Advanced Food Technology (3-0-1)-	(for PhD)
FT709 Transport Phenomenon in Food Engineering (3-0-1)-	(for PhD)
FT713 Modelling and Simulation in Food Engineering (2-1-1))-	(for PhD)
FT750 Open-ware based Process Simulation and Modeling (3-0-1)	Open electives for PhD

(b) Courses taught to PG Students

FP411 Food Process Engineering (2-0-1)	(for 3 year M Tech)
FP515 Advanced Food Engineering (4-0-1)	(for 3 year M Tech)
FP517 Food Plant Design and Product Development (3-0-1)	(for 3 year M Tech)
FP519 Design of Food Processing Equipment (2-0-1)	(for 3 year M Tech)
FP520 Waste Management and By Product Utilization in Food Processing Industries (2-0-1) (for 3 year MTech)	
FP600 Simulation and Modelling (3-0-1),	(for 3 year MTech)
FT211 Thermodynamics & Refrigeration (3-0-0)	(for 4 year Int M Tech)
FT515 Operations Research (3-1-0)	(for 4 year Int M Tech)
FP602 Simulation and Modelling (3-1-0),	(for 4 year Int M Tech)
FT512 Advanced Food Engineering (3-0-1)	(MTech)
FT512 Transport Phenomenon in Food Processing (3-0-1)-	(M Tech)

FT533 Energy Conservation in Food Processing (3-0-0)	(MTech)
FT519 Simulation and Modelling (2-0-1)	(M Tech)
FT540 Operations Research (3-1-0)	(M Tech)

(c) Courses taught to UG Students

FT101 Introduction to Food Engineering & Technology (3-0-1)	(BTech)
FT202 Chemical Thermodynamics & Reaction Kinetics (3-1-0)	(BTech)
FT303 Mass Transfer Operations in Food Processing (3-0-1)	(BTech)
FT435 Energy Conservation in Food Processing (3-0-0)	(BTech)

(d) Courses taught to Vocational (B Voc) Students

VF114 Food Products Technology	(B.Voc)
VF223 Food Processing Machines	(B.Voc)
VF312 Floor Practice-IV (in Food processing)	(B.Voc)

(e) Courses taught to Students from Other Streams

EN575 Computational Technology (0-0-1) only practical part	(For M Tech, Energy Technology)
EN575 Numerical Methods and Computational Techniques (0-0-1) only practical part,	(For M Tech, Energy Technology)
BI310 Applied Microbiology and Bioprocess Engineering, for (1-0-0) only,	(For Integrated M Tech in Biosciences & Biotechnology)
FT300 Transport Phenomena in Biological and Bioenvironmental Systems (3-0-0)	Open electives at UG/PG

(f) Curriculum design and developed,

(i) Curriculum Design, as the Team leader

- [1]. Developing PO and PEO of B Tech program in Food Engineering and Technology, based on the graduate attributes of NBA, and mapping to Department's goal and missions.
- [2]. Developing framework for developing course objectives and mapping of course (learning) outcomes for continuous improvement.
- [3]. Developing PO and PEO of M Tech program in Food Engineering and Technology.
- [4]. Developing framework for course design for B Voc in Food Processing in Bakery sector based on Industry recognized QPs, as per NSQF guidelines.
- [5]. Developing framework for implementation of outcome based education for Departmental programs based on PO and PEO of B Tech program in Food Engineering and Technology.

(ii) Curriculum development, as the lead contributor

- [1]. Curriculum for 4 year B Tech (Food Engineering and Technology), which was adopted by Tezpur University and implemented w.e.f. Academic year 2010.
- [2]. Curriculum for 4 year Int M Tech (for Post B Sc Students), which was adopted by Tezpur University and implemented w.e.f. Academic year 2011.
- [3]. Curriculum for 2 year M Tech (for Post B Tech Students), which was adopted by Tezpur University and implemented w.e.f. Academic year 2011.
- [4]. Curriculum for 3 year B Voc in Food Processing which was adopted by Tezpur University and implemented w.e.f. Academic year 2015.
- [5]. Core member of the team for revision of curriculum of B Tech (2018), curriculum of M Tech (2017), and curriculum of PhD (2018)

(g) Courses content developed

- [1]. FE101 Introduction to Food Engineering & Technology (3-0-1) (BTech)
- [2]. FE202 Process Thermodynamics & Reaction Kinetics (3-1-0) (BTech)
- [3]. FE301 Instrumentation and Process Control in food industry (3-0-1) (BTech)
- [4]. FE427 Process Modelling & Simulations (3-0-0) (B Tech)
- [5]. FE428 Refrigeration and Cold Storage Systems (3-0-0) (B Tech)
- [6]. FT435 Energy Conservation in Food Processing (3-0-0) (BTech)
- [7]. FT300 Transport Phenomena in Biological and Bioenvironmental Systems (3-0-0),
Open electives at UG/PG
- [8]. FT750 Open-ware based Process Simulation and Modeling (3-0-1) Open electives for PhD

10. Research experience:

(a) Doctoral work

- PhD Research Topic** : Neural Network Modelling For Estimation of Moisture Diffusivity in drying of Potato and Barley
- Name of University/Institute** : IIT Kharagpur
- Date of Defense** : 18/01/2011
- Date of Convocation** : 22/08/2011

(b) Sponsored research

(i) Ongoing projects

- [1]. Implementing as Principal Investigator, research project titled “Solar greenhouse drying system for the production of ‘No-cooking’ rice from Assam and product quality modelling during storage” 2019-2022. Funded by AICTE. 25.00 Lakhs sanctioned.

(ii) Completed projects

- [1]. Implemented as Principal Investigator, research project titled “Development of technology for quick cooking rice production through up gradation of a traditional method” 2014-2017. Worth Rs. 16.50 Lakhs Funded by AICTE.
- [2]. Implemented as Co-PI, research project titled “Pilot Scale Process Technology for ‘Bhim Kol’ (Musa Balbisiana) slice, grits and powder using hybrid drying methods’ to Dr B Srivastava, (PI) from MoFPI for 36.50 Lakh.
- [3]. Implemented as Principal Investigator “Development and fabrication of small capacity paddy parboiling system with process completion indicator (ongoing)”. Worth Rs. 6.50 lakh Funded by MSME.

(c) Research Guidance:

(i) PhD awarded:

- [1]. W Elizabeth Devi, a Newton Bhabha Fellow, and UGC NF-Senior Research Fellow, is submitted in July-2019 on the topic “Development of Process Technology for Fortified Komal Chawal, based on traditional no cooking rice of Assam”

(ii) Supervision of ongoing PhD research

- [1]. Sourav Chaktaborty, a faculty from the Department, is due for submission in Autumn of 2019 on the topic “Development of a Processing Unit for Producing Parboiled Rice with Improved Quality”. He has presented his Pre-thesis seminar
- [2]. L V Makinei, UGC JRF is working on “Computational- Gastronomic Study of Flavor Pairing Behavior in Food-Recipes”

- [3]. Swapnil Gautam, Institutional Scholar, is working on “Innovative Food Process Development for Health Benefit”
- [4]. Ninja Begum, Assistant Professor, USTM, is working on “Image Processing Based Food Material Characterization for Quality Assurance”
- [5]. Tridisha Bordoloi, Institutional Scholar, is working on “Innovative Process for Utilization of Mature Tea Leaves”
- [6]. Shagufta Rizwana, National Doctoral fellow, is working on “Machine Learning Based Food Material Characterization for Quality Assurance”

(iii) Supervision of QIP Scholar under PhD-Pre-registration

- [1]. Arun Chaudhury, Assistant Professor, NERIST, is carrying out Pre-registration visit as QIP Scholar under the AICTE’s QIP Scheme, with due date of admission in July, 2020.

(iv) M Tech Project Guidance : 18 Nos

(v) B Tech Project Guidance : 20 Nos

(d) Research Publications

(i) Journal papers

- [1]. ED Wahengbam, T Tongbram, MK Hazarika (2019) Drying characteristics of ready-to-eat komal chawal rice: processing and modeling, Journal of food science and technology, <https://doi.org/10.1007/s13197-019-04203-9>
- [2]. A Borah, DK Das, MK Hazarika, R Mukhopadhyay, CL Mahanta (2019) Low-cost healthy extrudates of rice and bhimkol (*Musa balbisiana*, ABB) formulated through linear programming. Journal of Food Process Engineering, 42(6), e13201
- [3]. S. Chakraborty, SP Gautam, PP Das, MK Hazarika (2019) Instant controlled pressure drop (DIC) treatment for improving process performance and milled rice quality, Journal: Journal of The Institution of Engineers (India): Series A, 100 (4), 683-695
- [4]. ED Wahengbam, S Abdul, MK Hazarika (2019) Water uptake in brown rice during soaking for production of no-cooking rice. Agricultural Engineering International: CIGR Journal 21 (3), 138–149
- [5]. ED Wahengbam, AJ Das, BD Green, J Shooter, MK Hazarika (2019) Effect of iron and folic acid fortification on in vitro bioavailability and starch hydrolysis in ready-to-eat parboiled rice, Food Chemistry 292, 39-46
- [6]. ED Wahengbam, AJ Das, BD Green, MK Hazarika (2019) Studies on in vitro bioavailability and starch hydrolysis in zinc fortified ready-to-eat parboiled rice (komal chawal) Journal of Food Science and Technology 56 (7), 3399-3407
- [7]. ED Wahengbam, BD Green, MK Hazarika (2019) Characterization of a novel folic acid-fortified ready-to-eat parboiled rice, Cereal Chemistry 96 (3), 439-446
- [8]. ED Wahengbam, BD Green, MK Hazarika (2019) Fortification of zinc in a parboiled low-amylose rice: effects of milling and cooking, Journal of the Science of Food and Agriculture 99 (7), 3434-3442
- [9]. ED Wahengbam, MK Hazarika (2019) Quality of ready-to-eat komal chawal produced by brown rice parboiling method, Journal of Food Science and Technology 56 (1), 187-199
- [10]. RB WATHARKAR, S Chakraborty, MK Hazarika, B Srivastava (2018) Mathematical modeling of drying kinetic of Bhimkol (*Musa balbisiana*) Pulp by applying master curve technique and general code developed in MATLAB, Agricultural Engineering International: CIGR Journal 20 (2), 183-189
- [11]. S Faisal, S Chakraborty, WE Devi, MK Hazarika, V Puranik (2017) Sensory evaluation of probiotic whey beverages formulated from orange powder and flavor using fuzzy logic International Food Research Journal 24 (2), 703

- [12]. D Baruah, DC Baruah, MK Hazarika (2017) Artificial neural network based modeling of biomass gasification in fixed bed downdraft gasifiers, *Biomass and Bioenergy* 98, 264-271
- [13]. CB Khobragade, MK Hazarika, SK Paul, J Bora, S Chakraborty (2017) Study on in-bed drying system for the drying of paddy in Assam, *International Food Research Journal*, 24 (3), p. 24 (3), 1345-1348
- [14]. S Chakraborty, M Sarma, J Bora, S Faisal, MK Hazarika (2016) Generalization of drying kinetics during thin layer drying of paddy, *Agricultural Engineering International: CIGR Journal* 18 (4), 177-189
- [15]. A Rafiq, HA Makroo, MK Hazarika (2016) Artificial Neural Network-Based Image Analysis for Evaluation of Quality Attributes of Agricultural Produce, *Journal of Food Processing and Preservation* 40 (5), 1010-1019
- [16]. A Rafiq, J Chowdhary, MK Hazarika, HA Makroo (2015) Temperature dependence on hydration kinetic model parameters during rehydration of parboiled rice. *Journal of Food Science and Technology* 52 (9), 6090-6094
- [17]. A Rafiq, HA Makroo, MK Hazarika (2015) MATLAB Toolbox for Mathematical Modelling of Drying Kinetics of Tomato. *Indian Journal of Ecology* 42 (2), 444-448
- [18]. BJ Bezbaruah, MK Hazarika (2014) Generalization of temperature and thickness effects in kinetic studies of turmeric (*Curcuma longa*) slices drying. *International Food Research Journal* 21 (4), 1529
- [19]. MK Hazarika, AK Datta. (2014) Estimation of drying rate constant from static bed moisture profile by neural network inversion. *Agricultural Engineering International: CIGR Journal* 16 (1), 253-264

(ii) Book Chapters

- [1]. MK Hazarika, (2014) Energy-Efficient Food Processing: Principles and Practices. In *Fundamentals of Advanced Food Process Engineering*. Editor J.K. Sahu, CRC Press
- [2]. H Chutia, R Dhar, MK Hazarika, (2018) Swelling Kinetics of Chhana Ball During Cooking in Hot Water and Model Development, In *Innovations In Food Processing Technologies*, Editors: N Sit, LS Badwaik and AB Das, New India Publishing Agency, New Delhi.
- [3]. PP Das, P Talukdar, S Chakraborty and MK Hazarika (2018) Effects of Non-conventional Drying on Food Products In *Innovations In Food Processing Technologies*, Editors: N Sit, LS Badwaik and AB Das, New India Publishing Agency, New Delhi.
- [4]. S Gope, AB Das, MK Hazarika, DC Baruah, HK Lahkar (2018) Post-harvest Handling and Solar Drying of Banana for Rural Areas of Assam In *Innovations In Food Processing Technologies*, Editors: N Sit, LS Badwaik and AB Das, New India Publishing Agency, New Delhi.

(iii) Presentations and Papers at Conferences

- [1]. MK Hazarika (2019) Competency based education in food process technology for bridging the gap between knowledge acquisition and ability to apply, Presented at the International Conference TiiFH-2019, Tezpur University, held during 14-16 February, 2019.
- [2]. MK Hazarika (2016) Ethnic Foods: Regulatory and Safety Issues in Indian Perspective, Presented at National Seminar National Seminar on Food Cultures of India, held at Tezpur University, during 1-2 December 1-2, 2016.
- [3]. MK Hazarika (2015) Teaching Computer Aided Food Engineering through SCILAB Programming. Presented at the National Seminar IPFP-2015, held at at Tezpur University during 27nd – 28th March-2015, pp 272-277.
- [4]. MK Hazarika (2013) Application of Temperature-Thickness Superposition Technique for Generalization of Drying Kinetic of Turmeric (*Curcuma longa*) Slices, presented at the International Seminar IPFVS-2013, NIFTEM, held during 10-12 January, 2013.
- [5]. MK Hazarika (2011) Biomass based Hot Air Generation for Tea Processing: An Experimental Investigation, presented at the National Seminar on “Renewable Energy and Technology: Issues and Prospects (RETIP-2011). held at NERIST during 2nd -3rd September, 2011

- [6]. MK Hazarika (2011) Analysis of batch drying process as an inverse heat and mass transfer problem, presented at the National Seminar BIOFOODS-2011, Tezpur University, held during 14-16 November, 2011.
- [7]. MK Hazarika (2011) Educational opportunities in food processing sector in India, presented at the workshop on “Career and Business Opportunities in Food Processing” organized by IICPT and Assam Agricultural University, Jorhat, held on 30th March, 2011.
- [8]. MK Hazarika, (2008) Role of a University Department of Agricultural Engineering in Agricultural and Rural Development. Presented at the conference on “Agricultural Engineering Inputs for Development of the NE region” held at Assam University, December, 2008
- [9]. MK Hazarika (2004). Neural network representation of diffusion controlled drying of slab shaped food. Presented in CRSYS-2004, IIT, Kharagpur, 25th - 27th September 2004
- [10]. D Baruah, BJ Bezbaruah, DC Baruah, MK Hazarika, (2011) Drying of parboiled rice utilizing producer gas based dryer, Proceedings of the ICORE-2011, held at Tezpur University during 2nd – 4th November-2011, pp 23-31.
- [11]. B Srivastava, and MK. Hazarika, (2011) Drying of Chopped Cabbage with Natural Circulation Solar Dryer with Chimney, Proceedings of the ICORE-2011, held at Tezpur University during 2nd – 4th November-2011, pp 438-446.
- [12]. A Majumder, B Srivastava, and MK Hazarika, (2013), Image Processing Based Study of Browning Kinetics of Banana Inflorescence, Proceedings of the 3rd INCOFTECH 2013, IICPT, Thanjavore, Paper No.IICPT/INCOFTECH/2013/CP4-27, pp 365-369
- [13]. S Chakraborty, MK.Hazarika (2014), Development of a MATLAB code for the Thin Layer Drying Analysis of Food Material, Proceedings of the National conference on emerging Technology, Trends in Agricultural Engineering, held at NERIST, Nov 7-9, 2014, pp 172-176.
- [14]. B Borah, and MK Hazarika (2015) Fuzzy Logic Approach for Raw Milk Quality Evaluation, Proceedings of the IPFP-2015, held at Tezpur University during 27nd – 28th March-2015, pp 272-277.
- [15]. MK Hazarika, and AK Datta. (2004). Estimating Effective Moisture Diffusivity from Drying Data – a Neural Network Approach. Proceedings of the etae-2004), IIT, Kharagpur (Volume: Food and Bioprocess Engineering, pp 316-325.
- [16]. MK Hazarika, and AK Datta. (2004). Dynamic neural network based simulation of static bed drying of barley. Presented in IWSID-2004, UICT, Mumbai, 20th - 24th December 2004.
- [17]. MK Hazarika, and AK Datta. (2005). Neural network architecture for determination of moisture diffusivity from drying data by slope method. Proceedings of the ADC-2005 (Vol-II), pp 658-662.

(iv) Popular Lectures

- [1]. MK Hazarika, Traditional Food Vs Sustainability, delivered as a panelist at the panel discussion held at Department of Cultural Studies, Tezpur University
- [2]. MK. Hazarika, Educational opportunities in food processing sector in India delivered at District Library Auditorium Tezpur on 22nd February, 2012 organized by IICPT and District Administration, Sonitpur.
- [3]. MK Hazarika, Food Processing and Quality Management: A General Awareness and Its Prospect delivered at Pub Kamrup College, Baihata Chariali on 23rd June, 2012.
- [4]. MK Hazarika Entrepreneurship Opportunities in Food Processing, Invited talk to delivered at at Sahitya Sabha Bhawan, Tezpur on 22/10/2013 organized by NESSIA,
- [5]. MK. Hazarika, NSQF specified qualification for industry relevant skill development, delivered at LTK College on 23rd October, 2018
- [6]. MK. Hazarika, Significance of curriculum for vocational Education with industry relevant skill sets, delivered at LTK College on 19th August, 2019

(e) Reviewer

- (i) Reviewer to Journal(s)**

Journal of Food Processing and Preservation,
Journal of Food Process Engineering,
Agricultural Engineering International: CIGR Journal
Industrial Crops and Products
Journal of Food Engineering
Comprehensive Reviews in Food Science and Food Safety

(ii) Reviewer to Projects

AICTE : RPS, MODROBS, TG
IITKGP : IIT Kharagpur Challenge Grant SGBSI
IITG : RuTAG-NE

(11) Contributions to Professional Activities

(i) Life membership of professional bodies:

- [1]. Association of Food Scientists and Technologists (I),
- [2]. Indian Society for Technical Education
- [3]. International Society of Food Engineers
- [4]. Indian Society of Agricultural Engineers,

(ii) Members to academic bodies of the University

- [1]. Member, Academic Council
- [2]. Member, Departmental research committee: Department of Electronics and Communications Engineering & Department of Mechanical Engineering,,
- [3]. Member, Departmental advisory committee: Department of Mechanical Engineering, and Department of Electronics and Communications Engineering
- [4]. Advisory Board, Community college, Tezpur University
- [5]. Advisory Board, B Voc programmes, Tezpur University

(iii) Members to external academic bodies

- [1]. Board of Studies, Agricultural Engineering and Food Technology, CAU (2018-2020)
- [2]. Board of Studies, Agricultural Engineering, NERIST (2011-2013)
- [3]. Board of Studies, B Voc programs, AUS (2016-2017)

(iv) Professional Developmental Programs organized

- [1]. Conducted, in the capacity of the Convener, an International Conference at Tezpur University on “Technological Innovations for Integration of Food and Health (TIIFH 2019): A focus on North-East India” at Tezpur University campus during 14 – 16 February, 2019.
Expert speakers included:
 - (i) Dr. Venkatesh Meda, Ph.D., P.Eng., University of Saskatchewan, Canada S7N 5A9
 - (ii) Dr. Sangeeta Prakash, The University of Queensland, Australia
 - (iii) Dr. Anil K Anal, AIT Bangkok
 - (iv) Dr. (Mrs.) Mihiri Vanniarachchy, University of Sri Jayewardenepura, Srilanka.
- [2]. Conducted, in the capacity of Joint Coordinator, an International Workshop under GIAN titled “Energy Management and Renewable Energy Intervention for Industrial Drying” during June 13 - June 24, 2016. Foreign faculty involved: Professor B K Bala, Jessore University, Bangladesh
- [3]. Conducted, in the capacity of the coordinator, a National Seminar on “Recent Trends in Food Processing, RTiFP2017” in March 2017. Sponsored by UGC under SAP.
- [4]. Conducted, in the capacity of the Chairman, Organizing Committee, a National Seminar on “Innovative Prospective in Food Processing IPFP2015” during March 27-28, 2015, Sponsored by AICTE-NEQIP.
- [5]. Coordinated technical events, in the capacity of the Chairman of Technical committee, of the National Seminar-BIOFOODS-2011, in November 2011. Sponsored by DBT.

- [6]. Conducted, in the capacity of the Joint coordinator, a Faculty Development Program on “Recent Trends in Food Technology, RTFT” during 20-24 November 2017. Sponsored by AICTE-NEQIP.
- [7]. Conducted, in the capacity of co-coordinator, a Two week FDP on ‘Current Approaches in Teaching and Research in Science and Technology’ 15-27 Dec, 2014, held at Tezpur University.
- [8]. Organized as Workshop coordinator, FDP conducted by IIT Mumbai, at Tezpur University Remote centre, during August, 2017
- [9]. Organized as Workshop coordinator, FDP conducted by IIT Mumbai, at Tezpur University Remote centre, during September-October, 2017
- [10]. Arranged for Lecture demonstration on SCILAB conducted by IIT Mumbai, on 12th October, 2017 at Tezpur University as Remote centre
- [11]. Organized (jointly) the one day industry interaction program with GE Foundations representatives
- [12]. Organized Engineers Day on 15th Sept, 2017
- [13]. Organized Industry-Institute meet for benefit of students 28th March, 2017
- [14]. Organized Innovation Day on 15th October, 2019

(v) Resource persons at Professional Developmental Programs

- [1]. Session Chair at National Conference (ETTAE-2014) held at NERIST during 07-09 Nov, 2014
- [2]. Invitee to 2nd meeting on national Directory of Traditional Foods, held at new Delhi on 29th September, 2016
- [3]. Rapporteurs, National Seminar-NCRE-2010, held at Tezpur University
- [4]. Resource Person to an EDP, Organized by Eight Brothers, Social welfare society at Tezpur.
- [5]. In the Asia Pacific Network sponsored Capacity Building Workshop "Mitigation of Climate Change using Precision Agriculture" during 27-28 December, 2014; talk was delivered on “precision Agriculture: Challenges in Harvest and post-harvest operations” and led the group on Post Harvest and Processing
- [6]. Delivered two talks in the Faculty Development Programme organized by the School of Engineering, Tezpur University from 15th to 27th Dec, 2014. On the topics of
 - (i) SCILAB programming (26-12-2014: 2:00 pm to 3:30 pm)
 - (ii) Biological Process from Mechanistic View (27-12-2014: 11:15 am to 12:45 pm)
- [7]. Delivered one talk in the FDP on “Recent Trends in Food Technology, RTFT” during 20-24 November 2017. Sponsored by AICTE-NEQIP
- [8]. Delivered one talk in the GIAN workshop titled “Energy Management and Renewable Energy Intervention for Industrial Drying” during June 13 - June 24, 2016

(vi) Professional Developmental Programs attended (in addition to the courses in S.N. 7 above)

- [1]. Attended AICTE workshop held at Guwahati on 3rd May 2017
- [2]. Attended AICTE workshop on “Induction Program” held at Kolkata on 5th July 2017
- [3]. Attended one day AICTE Workshop on Pedagogy at Guwahati held on 04.04.2013
- [4]. Attended AICTE Workshop at Guwahati held on 21.02.2012
- [5]. Attended International Congress on Renewable Energy (ICORE-2011) held at Tezpur University during 2-4 Nov, 2011

(12) Administrative and various responsibilities (during the tenure as Associate Professor)

S.N.	Role/Responsibility	Period
[1].	Head, Centre for Innovation Incubation and Entrepreneurship	February 16 th till date
[2].	Chairperson, Institution's Innovation Council-TU	October 2019, till date
[3].	Convener, Standing committee on Accreditation and Ranking	October 2019, till date
[4].	Nodal Officer, B Voc Programmes	August, 2016, till date
[5].	Coordinator, Lateral Admission to B Tech Programmes-2019	For the Year 2019
[6].	Convener, Institutional Project Unit for implementation of AICTE-NEQIP project	From 04/04/2014 to November, 2018
[7].	Convener, AICTE Cell	From 2012 to 2018
[8].	Convener, NBA preparation committee for re-accreditation	2018 & 2019
[9].	Head, Department of Food Engineering and Technology	From 01/04/2013 to 31/07/2016
[10].	Convener, Governing Body of Technical Programs, Tezpur University	From 15/07/2015 to 14/07/2018
[11].	Convener, NBA preparation committee	From 2014 till 2016
[12].	Deputy Coordinator, Departmental (FET) project under UGC-SAP	From 1/4/2016 to 31/3/2021
[13].	Coordinator, Departmental (FET) project under DST-FIST	From 09/04/2015 till 31/07/2016
[14].	Coordinator, Departmental (FET) project on Food Testing Laboratory	From 01/04/2014 till 05/12/2014)
[15].	Faculty in-charge, Implementation of B Tech Infrastructure grant (Sponsor: MoFPI)	From 24/3/2011 till 05/08/2014
[16].	Chairman BSSC-2011	2011
[17].	Deputy Coordinator, CCB-2011	2010
[18].	Chairman, BSSC-2010	2010
[19].	Departmental Coordinator, Training and Placement	2010-2012
[20].	Member, advisory committee, ONGC-CPBT	2012-2013

(13) Contributions to Attainment of Institutional Recognition

- [1]. In the capacity of the convener, committee on accreditation and ranking, is acting as the nodal officer for submission of data for NIRF2020.
- [2]. In the capacity of Convener, coordinated SAR submission and visit by the NBA team leading to 3 year Accreditation: 04 undergraduate programs w.e.f. 2016.
- [3]. In the capacity of Convener, coordinated SAR submission and visit by the NBA team leading to 3 visit re-accreditation of 04 undergraduate programs w.e.f. 2019
- [4]. In the capacity of Convener, AICTE Cell, attained recognition of 04 Departments to conduct PhD under QIP w.e.f. 2016
- [5]. In the capacity of Convener, AICTE Cell, attained recognition of School of Engineering and a NEQIP beneficiary School w.e.f. 2014 till 2017.
- [6]. In the capacity of Convener, AICTE Cell, arranged AICTE approval to all UG/PG courses in Engineering and in Management and MCA, during the period 2011-2018.

(14) Contribution to Departmental/Institutional Development Projects

Name of Project	Role and Responsibility	amount (Lakh)
(a) Institutional Projects		
AICTE NEQIP for School of Engineering	(i) Proposal preparation (In the capacity of Convener, AICTE Cell), (ii) fund mobilization and project implementation as Convener, Project implementation Unit	681.47 During 2014-2017
DST-TEC, for Tezpur University	(i) Proposal preparation, project implementation, as one of the Joint Coordinators	500.00 2019-2023
(b) Departmental Projects		
Departmental Project DST-FIST	Coordinating Project proposal preparation, fund mobilization and project implementation, in the capacity of Head of the Department during 09/04/2015 till 31/07/2016	80.00
Departmental level implementation of AICTE NEQIP	Departmental Level fund mobilization and project implementation in the Capacity of Head of the Department during 16/06/2014 till 30/07/2016	88.0
Initiated Project: Department Level Project for UGC-SAP (DRS, Phase-I)	(i) Proposal preparation (In the capacity of HoD), (ii) fund mobilization and project implementation as Deputy Coordinator, for 05 years (1/4/2016 to 31/3/2021)	116.5
MoFPI-HR grant for B.Tech Course - in FET	Fund mobilization, project implementation and project conclusion as the Faculty In-charge, for project implementation, during 24/3/2011 to 05/08/2014	72.64
Regional Food Quality Control Lab At Tezpur University	Fund mobilization, and setting up of infrastructural facilities (in the capacity of Head), till the 2 nd installment (01/04/14 till 05/12/2014)	202.1

(15) Contribution to Departmental Recognition

- [1]. In the capacity of Head FET, arranged to AICTE recognition to M Tech program in FET in 2013, and B Tech program in 2016.
- [2]. In the capacity of Head FET, arranged to obtain NBA accreditation to the B Tech in FET as a Tier-I program, w.e.f. 2016, which got re-accredited w.e.f. 2019.
- [3]. In the capacity of Head FET, arranged to obtain recognition of Department of FET as one of the NEQIP beneficiary Department w.e.f. 2014 till 2017.
- [4]. In the capacity of Head FET, arranged to obtain recognition to the Department to conduct PhD under QIP w.e.f. 2016
- [5]. In the capacity of Head, FET, made presentations to NAAC team, and as coordinator made presentations to AAA team.
- [6]. In the capacity of Head, FET, arranged to offer B Voc degree as per NSQF guidelines with the approval from UGC.

(16) Facilitating recognition to Students

- [1]. In the capacity of Head of the Department, arranged prestigious GE Foundation's fellowship (of two years duration) for 03 students in 03 consecutive years 2014, 2015 and 2016.
- [2]. In the capacity of Head of the Department, arranged 03 Industrial Scholarship from RECPDCL, for the year 2014.
- [3]. In the capacity of Head of the Department, arranged GATE Scholarship from AICTE from the year 2014, for the students joining the PG program with valid GATE Score.

[4]. In the capacity of Nodal Officer of B Voc programs, facilitated certification by the FICSI, for completion of the industry specified qualification packs.

(17) Various other contributions

- [1]. Expert, Selection committee, CIT Kokrajhar
- [2]. Member to internal Selection committees/Expert Committees
- [3]. Expert for Arunachal Pradesh Public Service Commission
- [4]. Represented, Tezpur University to defend UGC-SAP proposal of FET.
- [5]. Represented Tezpur University at the MoFPI's project screening meeting to defend the proposal for infrastructure grant for B Tech, program at New Delhi, held on 03/02/2011
- [6]. Represented Tezpur University at the workshop regarding AICTE-NEQIP project, held at Guwahati on 21.01.2014
- [7]. Represented Tezpur University to the meeting with AICTE- NEQIP Mentor Prof B Bandopadhyaya, held at Guwahati on 20/08/2014
- [8]. Represented Tezpur University to the review meeting of AICTE- NEQIP held at Shillong on 30th January 2017
- [9]. Represented Tezpur University to the Preparatory workshop for TEQIP-III at IIT Guwahati
- [10]. Represented Tezpur University at the Orientation workshop on TEQIP-III held at New Delhi on 19th January 2017
- [11]. Represented, Tezpur University as a team member, to defend 'Innovative program' to UGC, held at Delhi on 28.01.13
- [12]. Represented, Tezpur University as a team member, to defend CPEPA proposal to UGC on Centre for Biosensors and Bioelectronics Research held at New Delhi.
- [13]. Represented the University at AICTE HQ, New Delhi to pursue the matter of AICTE approval of Engg, management and MCA programs, during 9/9/12 to 12/9/12.
- [14]. Represented, Tezpur University as a team member, to Industries at Guwahati for Collaborative Industry Based Course Preparation, as a part of DDU-KK proposal
- [15]. Member, Anti-Ragging Squad/Committee of the University
- [16]. Member, Departmental Academic Probation Committee, 2011-2013
- [17]. Joint Treasurer, University Placement Committee, SoE
- [18]. Faculty in-charge (Financial) for placement brochure of SoE students
- [19]. Teacher In-charge (Food) TechXetra Organizing Committee-2010

Declaration:

I hereby declare that all the statements made herein are true and complete to the best of my knowledge and belief.

Sd/--
(Manuj K. Hazarika)

Place: Tezpur University
Date : 26/06/2020