



Yearly Status Report - 2019-2020

Part A

Data of the Institution

1. Name of the Institution		MIZORAM UNIVERSITY
Name of the head of the Institution		KRS Sambasiva Rao
Designation		Vice Chancellor
Does the Institution function from own campus		Yes
Phone no/Alternate Phone no.		0389-2330650
Mobile no.		8787515615
Registered Email		naac.mzu@mzu.edu.in
Alternate Email		vc@mzu.edu.in
Address		Tanhril, Aizawl, Mizoram
City/Town		Aizawl
State/UT		Mizoram
Pincode		796004
2. Institutional Status		

University	Central
Type of Institution	Co-education
Location	Urban
Financial Status	central
Name of the IQAC co-ordinator/Director	Prof. Jangkhongam Dounge1
Phone no/Alternate Phone no.	03892331593
Mobile no.	9436148905
Registered Email	iqacmzu@yahoo.com
Alternate Email	jdounge1@gmail.com

3. Website Address

Web-link of the AQAR: (Previous Academic Year)	https://drive.google.com/file/d/1EZO_XOyGyjcrPw87xX6va4KnhPXX-897Q/view?usp=sharing
4. Whether Academic Calendar prepared during the year	Yes
if yes, whether it is uploaded in the institutional website: Weblink :	https://mzu.edu.in/academic-calendar/

5. Accreditation Details

Cycle	Grade	CGPA	Year of Accreditation	Validity	
				Period From	Period To
1	A	3.12	2014	21-Feb-2014	20-Feb-2019
2	A	3.16	2019	20-May-2019	19-May-2024

6. Date of Establishment of IQAC	12-Oct-2009
---	-------------

7. Internal Quality Assurance System

Quality initiatives by IQAC during the year for promoting quality culture		
Item /Title of the quality initiative by IQAC	Date & Duration	Number of participants/ beneficiaries
Monthly Faculty Meeting	30-Aug-2019 1	164

Monthly Faculty Meeting	27-Sep-2019 1	128
Monthly Faculty Meeting	25-Oct-2019 1	134
Monthly Faculty Meeting	29-Nov-2019 1	126
Monthly Faculty Meeting	28-Feb-2020 1	127
Fifteenth IQAC Meeting	16-Jun-2020 1	14
View File		

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

Institution/Department/Faculty	Scheme	Funding Agency	Year of award with duration	Amount
No Data Entered/Not Applicable!!!				
No Files Uploaded !!!				

9. Whether composition of IQAC as per latest NAAC guidelines:

Yes

Upload latest notification of formation of IQAC

[View File](#)

10. Number of IQAC meetings held during the year :

1

The minutes of IQAC meeting and compliances to the decisions have been uploaded on the institutional website

Yes

Upload the minutes of meeting and action taken report

[View File](#)

11. Whether IQAC received funding from any of the funding agency to support its activities during the year?

No

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

1. The IQAC in Mizoram University has successfully institutionalized students' feedback on teachers and courses taught in each semester w.e.f. academic session 2010 on a 4point scale of 10 parameters for teachers and 5 parameters for courses taught. The feedback received is sent to the academic departments after approval from the Vice Chancellor. 2. The IQAC has also initiated Student Mentoring, Student Counselling, ParentTeacher Interface in all academic departments, and instrumental in establishment of the Alumni Association. 3. The IQAC has been involved in conducting many workshops, orientation and refresher courses for the benefit of teachers and office staff in collaboration with the UGC HRD

Centre, Mizoram University, ICT Centre, Mizoram University and other bodies. 4. The IQAC conducts Administrative and Academic Audit for different department and Cells for ensuring improvement in its functioning. 5. The IQAC collects information and does the compiling and editing of the information received for AQAR/publication of the Annual Report of the University for timely submission to the Ministry of Human Resource development, Govt. of India, New Delhi.

No Files Uploaded !!!

13. Plan of action chalked out by the IQAC in the beginning of the academic year towards Quality Enhancement and outcome achieved by the end of the academic year

Plan of Action	Achivements/Outcomes
Faculty Meeting	Conducted regularly
Clean and Green Campus	Cleanliness drive conducted under Swachh Bharat regularly and plantation of tree
Academic and Administrative Audit	Conducted for every Academic Department and Administrative Dept/Cell
No Files Uploaded !!!	

14. Whether AQAR was placed before statutory body ?

No

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

No

16. Whether institutional data submitted to AISHE:

Yes

Year of Submission

2020

Date of Submission

31-Mar-2020

17. Does the Institution have Management Information System ?

Yes

If yes, give a brief description and a list of modules currently operational (maximum 500 words)

1. Major activities of administration (academics administrative) are computerized. Eservice book of employees, online leaves applications approval, file movement tracking, document managements, etc are included in the Administration module. 2. Finance Department has complete ERP Solution for payroll, budget and account and other financial activities. 3. Students admission is fully online with helpdesk system. 4. Examination is

fully computerized. All activities preexamination preparation, result processing and publishing results are done by the Exam Software.

Part B

CRITERION I – CURRICULAR ASPECTS

1.1 – Curriculum Design and Development

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

Name of Programme	Programme Code	Programme Specialization	Date of Revision
MSc	Ind Chem/M.Sc	Industrial Chemistry	02/12/2019
MSc	Math/M.Sc	Mathematics & Computer Science	02/12/2019
MSc	HAMP/M.Sc	Fruit Science	02/12/2019
MSc	HAMP/M.Sc	Plantation, Spices, Medicinal and Aromatic Crops	02/12/2019
PhD or DPhil	HAMP/Ph.D	Fruit Science	02/12/2019
PhD or DPhil	HAMP/Ph.D	Plantation, Spices, Medicinal and Aromatic Crops	02/12/2019
MSc	FDTC	Food Technology	02/12/2019
MSc	Biotech/M.Sc	Biotechnology	02/12/2019
MA	Psy/M.A	Psychology	02/12/2019
MA	Hist/MA	History & Ethnography	02/12/2019

[View File](#)

1.1.2 – Programmes/ courses focussed on employability/ entrepreneurship/ skill development during the Academic year

Programme with Code	Programme Specialization	Date of Introduction	Course with Code	Date of Introduction
MSc	Biotechnology	01/08/2019	BIOTECH/1/FC/01: Biotechniques	01/08/2019
MSc	Biotechnology	01/08/2019	BIOTECH/1/FC/02: Biomolecules	01/08/2019
MSc	Biotechnology	01/08/2019	BIOTECH/1/CC/03: General Microbiology	01/08/2019
MSc	Biotechnology	01/08/2019	BIOTECH/1/CC/04: Molecular Cell Biology	01/08/2019
MSc	Biotechnology	01/08/2019	BIOTECH/1/CC/05: Nucleic acids and	01/08/2019

			Proteins	
MSc	Biotechnology	01/08/2019	BIOTECH/2/FC/06: Practicals based on CC/03	01/08/2019
MSc	Biotechnology	01/08/2019	BIOTECH/2/FC/07: Practicals based on CC/04 and 05	01/08/2020
MSc	Biotechnology	01/08/2020	BIOTECH/2/FC/08 Biostatistics	01/08/2020
MSc	Biotechnology	01/08/2020	BIOTECH/2/FC/09: Bioethics & Intellectual Property Rights	01/08/2020
MSc	Biotechnology	01/08/2020	BIOTECH/2/CC/10: Concepts in Genetics	01/08/2020
View File				

1.2 – Academic Flexibility

1.2.1 – New programmes/courses introduced during the Academic year

Programme/Course	Programme Specialization	Dates of Introduction
PhD or DPhil	CIVIL ENGINEERING	01/08/2019
PhD or DPhil	Computer Engineering	01/08/2019
Mtech	Power and Energy Systems Engineering	01/08/2019
PhD or DPhil	Electrical Engineering	01/08/2019
MSc	FOOD TECHNOLOGY	01/08/2019
MSc	Medical Geology	23/06/2020
MA	Environmental History of India	17/09/2019
MSc	Fruit Science	02/12/2019
MSc	Plantation, Spices, Medicinal and Aromatic Plants	02/12/2019
MA	Disability and Challenges	01/08/2019
View File		

1.2.2 – Programmes in which Choice Based Credit System (CBCS)/Elective Course System implemented at the University level during the Academic year.

Name of programmes adopting CBCS	Programme Specialization	Date of implementation of CBCS/Elective Course System
MSc	Biotechnology	01/08/2019
PhD or DPhil	Biotechnology	01/08/2019
MPhil	Biotechnology	01/08/2019
MSc	Botany	01/08/2019

MPhil	Botany	01/08/2019
PhD or DPhil	Botany	01/08/2019
MSc	Chemistry	01/08/2019
PhD or DPhil	Chemistry	01/08/2019
PhD or DPhil	CIVIL ENGINEERING	01/08/2019
BTech	CIVIL ENGINEERING	01/08/2019
MA	CLINICAL PSYCHOLOGY	01/08/2019
MCom	Commerce	01/08/2019
MPhil	Commerce	01/08/2019
MCom	Commerce	21/07/2020
PhD or DPhil	Computer Engineering	01/08/2019
BTech	Computer Engineering	01/08/2019
MA	Economics	01/08/2019
MPhil	Economics	01/08/2019
PhD or DPhil	Economics	01/08/2019
MA	Education	01/08/2019
BEd	Education	01/08/2019
MEd	Education	01/08/2019
MPhil	Education	01/08/2019
PhD or DPhil	Education	01/08/2019
BTech	Electrical Engineering	01/08/2019
Mtech	Power and Energy Systems Engineering	01/08/2019
BTech	Electronics & Communication Engineering	01/08/2019
Mtech	Electronics & Communication Engineering	01/08/2019
MA	English	01/08/2019
MPhil	English	01/08/2019
PhD or DPhil	English	01/08/2019
MSc	Environmental Science	01/08/2019
MPhil	Environmental Science	01/08/2019
PhD or DPhil	Environmental Science	01/08/2019
MSc	Rural Development	01/08/2019
MSc	Food Technology	01/08/2019
MSc	Forestry	01/08/2019
MPhil	Forestry	01/08/2019
PhD or DPhil	Forestry	01/08/2019
MSc	Geography	02/05/2020
MPhil	Geography	02/05/2020
PhD or DPhil	Geography	02/05/2020

MSc	Geology	01/08/2019
MPhil	Geology	01/08/2019
PhD or DPhil	Geology	01/08/2019
MA	HINDI	01/08/2019
MA	History & Ethnography	01/08/2019
MPhil	History & Ethnography	01/08/2019
PhD or DPhil	History & Ethnography	01/08/2019
MSc	HAMP	01/08/2019
MSc	Industrial Chemistry	01/08/2019
BTech	Information Technology	01/08/2019
BVoc	Web Technology & Multimedia	01/08/2019
Mtech	Computer Science & Engineering	01/08/2019
MLibSc	MLIS	01/08/2019
MPhil	MLIS	01/08/2019
PhD or DPhil	MLIS	01/08/2019
MBA	MBA	01/08/2019
MPhil	MBA	01/08/2019
PhD or DPhil	MBA	01/08/2019
MJ	MJMC	01/08/2019
MPhil	MJMC	01/08/2019
PhD or DPhil	MJMC	01/08/2019
MSc	Mathematics	01/08/2019
PhD or DPhil	Mathematics	01/08/2019
PhD or DPhil	Computer Science	01/08/2019
MA	Mizo Language and Literature	01/08/2019
MPhil	Mizo Literature	01/08/2019
PhD or DPhil	Mizo	01/08/2019
MSc	Physics	01/08/2019
MPhil	Physics	01/08/2019
PhD or DPhil	Physics	01/08/2019
BArch	Architecture	01/08/2019
MA	Political science	01/08/2019
MPhil	Political science	01/08/2019
PhD or DPhil	Political science	01/08/2019
MA	Psychology	01/08/2019
MPhil	Psychology	01/08/2019
PhD or DPhil	Psychology	01/08/2019
MA	Public Administration	01/08/2019

MPhil	Public Administration	01/08/2019
PhD or DPhil	Public Administration	01/08/2019
MSW	Family and Child Welfare	29/08/2019
MSW	Community Development (CD)	01/08/2019
MPhil	Social Work	01/08/2019
PhD or DPhil	Social Work	01/08/2019
MA	Sociology	01/08/2019
MPhil	Sociology	01/08/2019
PhD or DPhil	Sociology	01/08/2019
MBA	Tourism Marketing, Hospitality Management, Special Interest Tourism, and Event Management.	01/08/2019
MSc	Zoology	01/08/2019
MPhil	Zoology	01/08/2019
PhD or DPhil	Zoology	01/08/2019

1.3 – Curriculum Enrichment

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

Value Added Courses	Date of Introduction	Number of Students Enrolled
Bee Keeper	01/08/2019	32
No file uploaded.		

1.3.2 – Field Projects / Internships under taken during the year

Project/Programme Title	Programme Specialization	No. of students enrolled for Field Projects / Internships
MSc	Biotechnology : Dissertation	24
MSc	Biotechnology : Winter Training	28
MSc	Botany CSST Programme	34
MSc	Chemistry Project Work	34
MSc	Sewerage and sewage treatment work	8
MSc	Hydro Electric Dam	1
MSc	Construction of rural roads & bridge and pile foundation for foot over-bridge	1
MSc	Seismic Survey, Drilling Technique, Reservoir Studies, Operation And Maintenance Of Drilling Equipment	4

MSc	Laying of WBM, BM and BC	4
MSc	Formation cutting and Widening, GSB & CC pavement, Retaining Wall, Box Culvert	1
View File		

1.4 – Feedback System

1.4.1 – Whether structured feedback received from all the stakeholders.

Students	Yes
Teachers	Yes
Employers	Yes
Alumni	Yes
Parents	Yes

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

Feedback Obtained
<p>The IQAC has successfully institutionalized students' feedback on teachers and courses in each semester w.e.f. academic session 2010 on a 4-point scale of 10 parameters for teachers and 5 for courses taught. The IQAC has been regularly conducting semester wise student feedback on faculty and courses taught since the academic session of July-December 2010. The feedback forms are prepared in accordance to the NAAC sample format. To achieve maximum feedback and to involve all the students, the exercise is conducted prior to the commencement of end semester examinations. The students' attendance is made mandatory. After compilation, the feedback is disseminated with the approval of Vice-Chancellor, to individual teachers (confidential) and feedback on courses to HODs for departmental sharing and to formulate remedial measures on the courses where deemed necessary. Teachers with low grades are invited for interpretation by the Vice-Chancellor. The IQAC has been successfully implementing Student Mentoring, Student Counseling, Parent-Teacher Interface in all academic departments, and instrumental in establishment of the Alumni Association. Most of the departments have been obtaining feedback from the employers about the students of the University who have been working with them.</p>

CRITERION II – TEACHING- LEARNING AND EVALUATION

2.1 – Student Enrolment and Profile

2.1.1 – Demand Ratio during the year

Name of the Programme	Programme Specialization	Number of seats available	Number of Application received	Students Enrolled
MSc	Biotechnology	30	67	30
MPhil	Human Genetics and Bioinformatics	6	13	6
PhD or DPhil	Applied Microbiology	6	23	6
MSc	Plant Sciences	34	119	34

MSc	Chemistry	33	172	33
MSc	Chemistry	4	13	4
BTech	Civil Engineering	15	195	15
MSc	Clinical Psychology	33	56	33
MSc	Clinical Psychology	30	114	30
MCom	Finance	40	123	40
View File				

2.2 – Catering to Student Diversity

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

Year	Number of students enrolled in the institution (UG)	Number of students enrolled in the institution (PG)	Number of fulltime teachers available in the institution teaching only UG courses	Number of fulltime teachers available in the institution teaching only PG courses	Number of teachers teaching both UG and PG courses
2019	769	2462	92	280	205

2.3 – Teaching - Learning Process

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

Number of Teachers on Roll	Number of teachers using ICT (LMS, e-Resources)	ICT Tools and resources available	Number of ICT enabled Classrooms	Number of smart classrooms	E-resources and techniques used
245	242	222	124	65	224

[View File of ICT Tools and resources](#)

[View File of E-resources and techniques used](#)

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

Mizoram University has nine schools under different disciplines and 38 departments. All departments have student intake at the undergraduate/postgraduate levels. Mentoring is conducted in an extremely significant manner across all departments. The faculty members are in charge of students of each semester and on an average the university mentoring programme would be at the ratio of 1:10 per semester. Mentoring is conducted every semester between each mentor and mentee. However, if the necessity arises, then mentor and mentee may meet as per required frequency. The mentors are provided with a log book wherein details of each mentee are recorded in detail, starting with basics such as regular details on identification, familial details, background check details on academic record, hobbies and aspects related to their aim in life and reasons for the pursuit of the current programme. The role of the teacher mentor is extremely important in this regard. Emphasis is placed upon faculty across the University to provide essential ongoing support, training and advising to their student mentees. Stress is laid upon the fact that they have to identify opportunities to engage students and at times alumni and troubleshoot issues. A certain sense of compatibility and maturity on the part of the mentor is also emphasized upon in order to ensure that differing personalities are kept in mind and in order that they make ongoing adjustments in order to keep the program thriving. In the mentoring programme emphasis is laid upon mentor-mentee inter relationship, especially while tracking the progress of the mentee by the mentor. What is of vital importance is the fact that levels of communication have to be adequately bolstered in order to help the program run smoothly. The mentoring programme conducted in the university has produced significant results. It has succeeded in facilitating individual student learning and growth. This has largely been due to the fact that mentors have identified areas that require flexibility even within the various programmes and have built them in, within the aspect of mentoring. The university has made room for an element of flexibility into the aforementioned

programme and students and at times alumni are allowed more flexibility in scheduling, towards mentoring. This has ensured the building of stronger relationships and open communication. Mentoring usually takes place within the department itself but the flexibility to conduct them in less formal settings have worked equally well. Most, if not all students may need additional support to prepare them for the working world and mentorship conducted in the university has had the power to impact the course of the mentees academic and personal life trajectories. The target focus related to goal setting, adaptability, and reflection of mentee sensibility have inculcated a unique opportunity in students to help open doors to future academic and career possibilities. The mentoring system conducted in Mizoram University has facilitated in connecting the bridge between the academic and personal lives of the mentees and has thus helped them to make sense of their future goals.

Number of students enrolled in the institution	Number of fulltime teachers	Mentor : Mentee Ratio
2432	241	1:10

2.4 – Teacher Profile and Quality

2.4.1 – Number of full time teachers appointed during the year

No. of sanctioned positions	No. of filled positions	Vacant positions	Positions filled during the current year	No. of faculty with Ph.D
314	237	77	45	190

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

Year of Award	Name of full time teachers receiving awards from state level, national level, international level	Designation	Name of the award, fellowship, received from Government or recognized bodies
2020	Dr. Rebecca Ramhmachhuani	Assistant Professor	Letter of Appreciation from Govt. of Mizoram
2020	Mr. Laldintluanga	Assistant Professor	Letter of Appreciation from Govt. of Mizoram
2019	Dr. Niladri Pratap Maity	Associate Professor	Awarded, Brand Ambassador, Bentham Science Publishers, UAE
2020	Dr. Niladri Pratap Maity	Associate Professor	Awarded, Senior Member, IEEE, USA
2020	Dr. Niladri Pratap Maity	Associate Professor	Awarded, Marquis Who's Who in the World, Marquis Who's Who, USA
2019	Dr. Niladri Pratap Maity	Associate Professor	Awarded, "Quarterly Franklin Membership", London Journals Press, UK
2019	Dr. Prabhat Kumar Rai	Assistant Professor	Elected Member, Indian National Science Academy (INSA-Young Academy)
2019	Dr. Prabhat Kumar Rai	Assistant Professor	Elected Fellow, International Society of

			Environmental Botanist (ISEB)
2019	Dr. Himjyoti Dutta	Assistant Professor	Top Peer Reviewer in the Area of Agricultural Sciences by Publons(Web of Science) in September, 2019
2020	Dr. Baby Z Hmar	Assistant Professor	Women in Science- A State Level award by Mizoram Science, Technology and Innovation Council, 28th February, 2020
View File			

2.5 – Evaluation Process and Reforms

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

Programme Name	Programme Code	Semester/ year	Last date of the last semester-end/ year-end examination	Date of declaration of results of semester-end/ year- end examination
MSc	GEOL	II	31/10/2020	09/12/2020
MSc	GEOL	IV	31/08/2020	27/10/2020
MSc	GEOL	III	18/12/2019	12/02/2020
MSc	GEOL	I	18/12/2019	24/01/2020
MSc	HAMP	II	31/10/2020	09/12/2020
MSc	HAMP	IV	31/08/2020	14/10/2020
MSc	HAMP	I, III	18/12/2019	11/02/2020
MSc	EVS	II	31/10/2020	08/12/2020
MSc	EVS	IV	31/08/2020	02/11/2020
MSc	EVS	I, III	18/12/2019	11/02/2020
View File				

2.5.2 – Average percentage of Student complaints/grievances about evaluation against total number appeared in the examinations during the year

Number of complaints or grievances about evaluation	Total number of students appeared in the examination	Percentage
95	4759	1.99

2.6 – Student Performance and Learning Outcomes

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

<https://mzu.edu.in/>

2.6.2 – Pass percentage of students

Programme Code	Programme Name	Programme Specialization	Number of students	Number of students passed	Pass Percentage
----------------	----------------	--------------------------	--------------------	---------------------------	-----------------

			appeared in the final year examination	in final year examination	
HAMP	MSc	HAMP	26	26	100
GEOG	MSc	Geography & RM	30	30	100
GEOL	MSc	Geology	29	28	96.6
EVS	MSc	Environmental Science	25	24	96
FOR	MSc	Forestry	28	28	100
HIST	MA	History & Ethnography	41	38	92.7
PSC	MA	Political Science	39	38	97.4
SOC	MSW	Social Work	35	29	82.9
PA	MA	Public Administration	35	34	97.1
PSY	MA	Psychology	41	38	92.7
View File					

2.7 – Student Satisfaction Survey

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

https://drive.google.com/file/d/16i6w0CO_OPH1bLMhZC_fWHdUkgMZBO_0/view?usp=sharing

CRITERION III – RESEARCH, INNOVATIONS AND EXTENSION

3.1 – Promotion of Research and Facilities

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

Type	Name of the teacher awarded the fellowship	Name of the award	Date of award	Awarding agency
International	Prof. Muthukumaran R.	DBT Overseas Associate	01/09/2019	DBT
National	Dr. Tridip Kumar Hazarika	DBT Overseas Associateship	24/05/2019	Department of Biotechnology, Govt of India
International	Dr V Ratnamala	ICM Fellowship	01/01/2020	Cornell University
National	Dr Lalthakimi Zadeng	Visiting Associate	31/07/2019	IUCAA, Pune
International	Prof. Diwakar Tiwari	Visiting Research Fellow	01/08/2019	Catholic Kwandong University, Gangneung, Korea

No file uploaded.

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

Name of Research fellowship	Duration of the fellowship	Funding Agency
Research Associates (02)	365	DST, DBT
Lab technician (4)	365	DBT-NER
JRF(11)	365	DBT
JRF(2)	365	CSIR-UGC
JRF(2)	365	DST-INSPIRE
JRF(2)	365	Non-NET
JRF(3)	365	DAE-BRNS, Govt. of Mizoram, NSFT
Field data Collector (2)	365	DBT-Genome India
Data Analyst (2)	365	DBT-Genome India
JRF	365	CSIR
View File		

3.2 – Resource Mobilization for Research

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

Nature of the Project	Duration	Name of the funding agency	Total grant sanctioned	Amount received during the year
Major Projects	1095	CSIR	26.07	10.86
Major Projects	1095	ICMR	22.59	7.96
Major Projects	1095	DBT	39.19	7.41
Major Projects	1095	DBT	44.17	0
Major Projects	1095	DBT	44.29	0
Major Projects	1095	DBT	33.85	4.18
Major Projects	1095	DRDO	133.33	101.35
Major Projects	1095	DBT	227	127
Major Projects	1095	DBT	70.52	17.01
Major Projects	1095	DBT	416	77.45
View File				

3.3 – Innovation Ecosystem

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

Title of workshop/seminar	Name of the Dept.	Date
Hands on training on basic molecular biotechniques	Biotechnology	02/11/2019
Basic molecular techniques and its application	Biotechnology	02/12/2019
Webinar on Current status of Drug and Vaccine Development against Covid -19	Biotechnology	18/05/2020
Webinar on Introduction to Cancer and Therapeutics	Biotechnology	23/05/2020
Webinar on Metastasis in Cancer	Biotechnology	24/05/2020
Bioinformatics for Zoologist	Biotechnology	31/08/2019
Basic techniques in Biotechnology and its application	Biotechnology	17/08/2019
Whole MT-DNA sequencing of Oral Cancer patients	Biotechnology	25/08/2019
Next Generation Sequencing data analysis	Biotechnology	02/09/2019
Applications of Bioinformatics tools in analysing different Genomics data	Biotechnology	25/09/2019
Webinar on Translational Medicine with an emphasis on Cancer	Biotechnology	25/05/2020
Webinar on Hormones and Breast Cancer	Biotechnology	28/05/2020
Webinar on Salivary metabolomes as a tool for screening cancers at an early stage	Biotechnology	05/06/2020
Webinar on Advances in Regenerative Medicine - Through Indo-Japanese Collaboration	Biotechnology	05/06/2020
Intellectual Property Rights and Geographical Indication Registrations in India	Technology Enabling Centre - DST, New Delhi	02/11/2020
Training on analysis of bioactive compounds using HPLC	Mizoram University BioNEST	17/10/2020

Roadshow for Global Bio-India 2019	Mizoram University BioNEST	23/10/2019
One Day National Workshop on IPR and Plant Protection with special reference to Northeast India	Botany	18/12/2019
SUSTAINABLE AND RESILIENT CITIES	CIVIL ENGINEERING	20/07/2020
Managing Emotions and Self-Care in times of Uncertainty	Clinical Psychology	30/06/2020
Coping with Stress during the 2019-nCov Outbreak	Clinical Psychology	10/06/2020
The Upside of Stress: Staying Psychologically fit and Productive during the Pandemic and Beyond	Clinical Psychology	10/06/2020
Positive Cognitive Behavior Therapy	Clinical Psychology	06/07/2020
Positive Supervision	Clinical Psychology	07/07/2020
Gender Implications of Covid 19 Pandemic: A Way Ahead	Clinical Psychology	17/06/2020
Webinar on Digital Transformation	Computer Engineering	21/07/2020
Webinar on Semantic Web and its Applications in Humanities and Social Sciences	Computer Engineering	06/05/2020
Innovative method of teaching for primary school headmaster	Education	25/10/2019
Innovative methods of teaching in Elementary Schools	Education	10/08/2019
Innovative methods of teaching in Elementary Schools	Education	23/08/2019
Research Career for Women: Food Science and Technology	Food Technology	19/06/2020
National Webinar on Antibiotic Resistance	Forestry	17/07/2020
International Workshop on Nutrient Management in Shifting Cultivation in Northeast India	Forestry	22/01/2020
National Webinar on	Forestry	16/09/2020

"Technological inputs for Spices improvement in India"		
The importance of symbiotic microorganisms in drug discovery	Forestry	16/06/2020
Tree Improvement at a Glance	Forestry	30/06/2020
Zingiberaceae as Gold Mine Ethno-medicinal usage and Genome variation	Forestry	07/09/2020
Workshop on film making	Mass Communication in collaboration with Films Division of India	11/03/2020
Career Opportunities in Public Relations	Mass Communication	26/09/2019
Sensitization Worskshop on Intellectual Property Rights and Patents	Mass Communication in collaboration with TEC	14/11/2019
Seminar on Innovative Bamboo Structures	Department of Planning and Architecture	03/10/2019
Covid-19 : Shifting paradigm and the way forward	Social Work	16/05/2020
Youth Conclave on Entrepreneurship Skills and Development	Social Work	07/10/2020
National Online Workshop on Social Work Research skills	Social Work	18/11/2020
Two Days Zonal Conference on Rights of Persons with Disabilities.	Social Work	30/10/2019
COVID-19 Pandemic in India : Diagnostic tools and national regulations Patients with Chronic Lung Diseases during the COVID - 19 Pandemic	Zoology	24/07/2020
No file uploaded.		

3.3.2 – Awards for Innovation won by Institution/Teachers/Research scholars/Students during the year

Title of the innovation	Name of Awardee	Awarding Agency	Date of award	Category
First Centre for Disability Studies in a Central University in India	Dr. Henry Zodinliana Pachuau	Coco Cola Company	01/12/2019	Limca Book of Records,

Single Look SAR Image Segmentation using Local Entropy, Median Low pass filter and Fuzzy C-Means	R.Lalchhanhima	Dept of CSE, NIT Silchar	31/07/2020	Best Paper Award
Marketing and Trading of Tendu leaves at chaitam range	Wagmare Balraju	NRMASA, 2020	28/01/2020	Best Oral
International workshop on "Research on Molecular Biology of Stress, Aging and Cancer using Cell Culture Based Assays - Interventions by Natural Compounds	Christine Vanlalbiakdiki Sailo	National Institute of Advanced Industrial Science and Technology (AIST) under Sakura Science Program (Govt. of Japan), Tsukuba, Japan	12/10/2019	3rd Prize in Oral presentation
Startup Winc 2020	K. Lalrinkima	Sponsorship, Syndication of Investors Professionals (100xVC, 50k Ventures, Thinkuvate Ventures, Lead angels, Ivy Caps ventures)	01/09/2020	Graphic Designing
No file uploaded.				

3.3.3 – No. of Incubation centre created, start-ups incubated on campus during the year

Incubation Center	Name	Sponsored By	Name of the Start-up	Nature of Start-up	Date of Commencement
Mizoram University BioNEST	Henry Sailo	DBT	Foods Myco Labs	Mushroom Spawn Production	20/06/2020
Mizoram University BioNEST	Lalrinpuui Sailo	DBT	Blue Montis	Cheese Production	20/06/2020
Mizoram University BioNEST	PB Lalrinfela	DBT	Coffee Production	Production of coffee	20/06/2020
Technology Enabling Centre	TEC	DST	MZU-TEC	Training, mentorship, capacity building, technology	Nil

transfer and
assessment,
etc.

No file uploaded.

3.4 – Research Publications and Awards

3.4.1 – Ph. Ds awarded during the year

Name of the Department	Number of PhD's Awarded
Bio-Technology	2
Botany	1
Chemistry	2
Commerce	4
Economics	2
Education	14
English	3
Environmental Science	5
Forestry	7
Geography Resource Management	2
Geology	5
Hindi	4
History Ethnography	3
Horticulture, Aromatic Medicinal Plants	1
Library Information Science	4
Mass Communication	2
Mathematics Computer Science	2
Mizo	1
Physics	3
Political Science	4
Psychology	5
Public Administration	5
Social Work	3
Zoology	4

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

Type	Department	Number of Publication	Average Impact Factor (if any)
International	Biotechnology	59	2.5
International	Botany	7	2
International	Chemistry	33	3.02
International	Civil Engineering	3	2.85
International	Commerce	8	4.41
National	Economics	1	0.6

International	Electrical Engineering	9	1.01
International	Electrical Engineering	15	0.5
International	Economics	2	4.46
International	Computer Engineering	12	0.64
View File			

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

Department	Number of Publication
Botany	1
Chemistry	1
Civil Engineering	1
Clinical Psychology	2
Commerce	5
Computer Engineering	3
Education	13
Electrical Engineering	26
Electronics Communication Engineering	28
English	2
View File	

3.4.4 – Patents published/awarded/applied during the year

Patent Details	Patent status	Patent Number	Date of Award
Process for Isolation, Purification, and cloning of Pierisin 5 - NAD dependent DNA-ADP-ribosyltransferase and product and apparatus therefor	Filed	CBR202031023410	04/06/2020
ULTRA LOW POWER 16-BIT ARITHMETIC LOGIC UNIT	Filed	CBR No.: 16176	10/09/2020
Double shorting post, airgap and Defected Ground Structure integrated Ultra-Wide Band microstrip antenna	Filed	CBR202031030265	16/07/2020
Rectangular Microstrip Antenna with Two Monopoles	Published	CBR No.59329	20/11/2020

Bracketed Stub Loaded Single Layer Rectangular Microstrip Antenna	Published	CBR No. 59328	20/11/2020
Double Notched Single Layer Planer Semi-circular Microstrip Antenna	Published	No 47/2020	20/11/2020
Double CIRCULAR ARC shape shortED CIRCULAR MICROSTRIP ANTENNA	Filed	CBR202031041645	25/09/2020
Power System Risk Curtailment using Mobile Bi-directional Hybrid Electric Vehicles	Filed	CBR No.: 15461	01/08/2019
Particle Deposition Sticker	Published	CBR No.59330	20/11/2020
Air-gap Loaded Ultra-Wide impedance Bandwidth (UWB) Antenna integrated with Shorting-Post and Defected Ground Structure	Published	CBR No.59331	12/11/2020
No file uploaded.			

3.4.5 – Bibliometrics of the publications during the last academic year based on average citation index in Scopus/ Web of Science or PubMed/ Indian Citation Index

Title of the Paper	Name of Author	Title of journal	Year of publication	Citation Index	Institutional affiliation as mentioned in the publication	Number of citations excluding self citation
Physico-chemical characterization of wild and semi wild indian gooseberry from mizoram, North-East India	Hazarika, T.K., Laltluangkimi	Indian Journal of Horticulture	2019	0	Mizoram University	Nil
Free radical scavenging activity and antioxidative potential	Lalremruati, M., Lalmuansang, C., Siama, Z.	Journal of Applied Pharmaceutical Science	2019	0	Mizoram University	Nil

of various solvent extracts of Mussaenda macrophylla Wall: An in vitro and ex vivo study						
Investigation into air loaded shorted microstrip antenna with hanging post integrated patch surface to improve impedance matching and reduce cross polarization radiation	Sarkar, T., Chakraborty, S., Nagaraju, A., Ghosh, S.K., Singh, L.L.K., Chattopadhyay, S.	2019 IEEE Indian Conference on Antennas and Propagation, InCAP 2019	2019	0	Mizoram University	Nil
Characteristics of a nationwide voluntary antibiotic resistance awareness campaign in India future paths and pointers for resource limited settings/low and middle income countries	Tamhankar, A.J., Nachimuthu, R., Singh, R., Harindran, J., Meghwanishi, G.K., Kannan, R., Kumar, N.S., Negi, V., Jacob, L., Bhattacharyya, S., Sahoo, K.C., Mahadik, V.K., Diwan, V., Sharma, M., Pathak, A., Khedkar, S.U.,	International Journal of Environmental Research and Public Health	2019	0	Mizoram University	Nil

	Avhad, D., Saxena, S., Nerkar,					
Shelf life got extended in salicylic acid treated and waxed cavendish banana	Mandal, D., Vanlal ruatfeli, Shukla, A.C.	Research on Crops	2019	4	Mizoram University	4
Malaria in north-east india: Importance and implications in the era of elimination	Sarma, D.K., Mohapatra, P.K., Bhat tacharyya, D.R., Chel lappan, S., Karupp usamy, B., Barman, K., Kumar, N.S., Dash, A.P., Prakash, A., Nina, P.B.	Microorg anisms	2019	5	Mizoram University	5
Mechanisms of plant tolerance to RNA viruses induced by plant-grow th-promoting microorgan isms	Maksimov, I.V., Sorokan, A.V., Burk hanova, G.F., Veselova, S.V., Alekseev, V.Y., Shein, M.Y., Avalbaev, A.M., Dhaware, P.D., Mehetre, G.T., Singh, B.P., Khai rullin, R.M.	Plants	2019	3	Mizoram University	3
Amplicon sequencing	De Mandal,	Environm ental	2019	8	Mizoram University	8

and imputed metagenomic analysis of waste soil and sediment microbiome reveals unique bacterial communities and their functional attributes	S., Mathipi, V., Muthukumar, R.B., Gurusubramanian, G., Lalnunmawii, E., Kumar, N.S.	Monitoring and Assessment				
First report of malaria parasites in water buffalo in Nepal	Kandel, R.C., Shrestha, M., Sadaula, A., KC, M., Maharjan, J., Solanki, G.S., Chalise, M.K., Asada, M., Kaneko, O., Poudel, R.C., Pandey, K.	Veterinary Parasitology: Regional Studies and Reports	2019	4	Mizoram University	4
Vitamin D3 treatment regulates apoptosis, antioxidant defense system, and DNA integrity in the epididymal sperm of an aged rat model	Jeremy, M., Gurusubramanian, G., Roy, V.K.	Molecular Reproduction and Development	2019	3	Mizoram University	3
View File						

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

Title of the Paper	Name of Author	Title of journal	Year of publication	h-index	Number of citations excluding self citation	Institutional affiliation as mentioned in the publication
--------------------	----------------	------------------	---------------------	---------	---	---

Vitamin D3 treatment regulates apoptosis, antioxidant defense system, and DNA integrity in the epididymal sperm of an aged rat model	Jeremy, M., Gurusu bramanian, G., Roy, V.K.	Molecular Reproduction and Development	2019	14	3	Mizoram University
First report of malaria parasites in water buffalo in Nepal	Kandel, R.C., Shrestha, M., Sadaula, A., KC, M., Maharjan, J., Solanki, G.S., Chalise, M.K., Asada, M., Kaneko, O., Poudel, R.C., Pandey, K.	Veterinary Parasitology: Regional Studies and Reports	2019	14	4	Mizoram University
Amplicon sequencing and imputed metagenomic analysis of waste soil and sediment microbiome reveals unique bacterial communities and their functional attributes	De Mandal, S., Mathipi, V., Muthukumar, R.B., Gurusubramanian, G., Lalnunmawii, E., Kumar, N.S.	Environmental Monitoring and Assessment	2019	14	8	Mizoram University
Mechanisms of plant tolerance to RNA	Maksimov, I.V., Sorokan, A.V., Burk	Plants	2019	14	3	Mizoram University

viruses induced by plant-growth promoting microorganisms	hanova, G.F., Veselova, S.V., Alekseev, V.Y., Shein, M.Y., Avalbaev, A.M., Dhaware, P.D., Mehetre, G.T., Singh, B.P., Khairullin, R.M.					
Malaria in north-east india: Importance and implications in the era of elimination	Sarma, D.K., Mohapatra, P.K., Bhat tacharyya, D.R., Chellappan, S., Karupp usamy, B., Barman, K., Kumar, N.S., Dash, A.P., Prakash, A., Nina, P.B.	Microorganisms	2019	14	5	Mizoram University
Shelf life got extended in salicylic acid treated and waxed cavendish banana	Mandal, D., Vanlalruatfeli, Shukla, A.C.	Research on Crops	2019	14	4	Mizoram University
Physico-chemical characterization of wild and semi wild indian gooseberry from mizoram, North-East India	Hazarika, T.K., Laltluangkimi	Indian Journal of Horticulture	2019	14	Nil	Mizoram University

Free radical scavenging activity and antioxidant potential of various solvent extracts of <i>Mussaenda macrophylla</i> Wall: An in vitro and ex vivo study	Lalremruati, M., Lalmuansang, C., Siama, Z.	Journal of Applied Pharmaceutical Science	2019	14	Nil	Mizoram University
Investigation into air loaded shorted microstrip antenna with hanging post integrated patch surface to improve impedance matching and reduce cross polarization radiation	Sarkar, T., Chakraborty, S., Nagaraju, A., Ghosh, S.K., Singh, L.L.K., Chattopadhyay, S.	2019 IEEE Indian Conference on Antennas and Propagation, InCAP 2019	2019	14	Nil	Mizoram University
Characteristics of a nationwide voluntary antibiotic resistance awareness campaign in India: future paths and pointers for resource limited settings/low and middle income countries	Tamhankar, A.J., Nachimuthu, R., Singh, R., Harindran, J., Meghwanishi, G.K., Kannan, R., Kumar, N.S., Negi, V., Jacob, L., Bhattacharyya, S., Sahoo, K.C., Mahadik, V.K.,	International Journal of Environmental Research and Public Health	2019	14	Nil	Mizoram University

Diwan, V.,
Sharma,
M.,
Pathak,
A.,
Khedkar,
S.U.,
Avhad, D.,
Saxena,
S.,
Nerkar,

[View File](#)

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

Number of Faculty	International	National	State	Local
Attended/Seminars/Workshops	298	592	65	25
Presented papers	90	191	18	5
Resource persons	28	290	41	21
No file uploaded.				

3.5 – Consultancy

3.5.1 – Revenue generated from Consultancy during the year

Name of the Consultan(s) department	Name of consultancy project	Consulting/Sponsoring Agency	Revenue generated (amount in rupees)
Economics	Analysis of Mission Antyodaya Survey 2019	Rural Development Dept. Govt. of Mizoram	200000
Economics	FOCSU Project: :Beneficiary Assessment	IFAD	233000
Dr. Nagaraj Hegde	Suitability Study for Establishment of Oil Palm Cultivations in the North-Eastern Region of India	Solidaridad Network Asia Ltd	600000
MZU Design Cell	Presbyterian Church, Govt Complex(Completed)	Presbyterian Church	35000
MZU Design Cell, Department of Planning and Architecture	Renovation of MZU BioNEST-BEM Centre (On-going)	MZU BioNEST-BEM	37500
MZU Design Cell, Department of Planning and Architecture	Faculty Development Centre (MZU)	Faculty Development Centre (MZU)	18144
Social Work	Sustained and Timely AIDS	ICMR-NARI, Pune	40000

Response
(STAR)-Community
Engagement in
Mizoram

No file uploaded.

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

Name of the Consultan(s) department	Title of the programme	Agency seeking / training	Revenue generated (amount in rupees)	Number of trainees
Mizoram University BioNEST	Training on Project Management	Entrepreneurs hip Development Centre, Government of Mizoram	12000	21
Dept of Information Technology	5 Days National Workshop on Internet of Thing(IoT)	5 days AICTE Training And Learning (ATAL) Academy FDP on Internet of Things(IoT)	15000	61
Zoology	Research Methodology, ethics, research tools	State and Central Universities, IIT, IISER, Research Institutions	1200000	5000

No file uploaded.

3.6 – Extension Activities

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

Title of the activities	Organising unit/agency/ collaborating agency	Number of teachers participated in such activities	Number of students participated in such activities
Study Tour	National and International organisation	6	60
Rural Camp	Local Councils, YMA, MHIP, MUP, NGOs and Govt. Agencies	6	60
Concurrent Field Work	Local Councils, YMA, MHIP, MUP, NGOs and Govt. Agencies	6	60
Training and Internship	Mind India, Guwahati	1	18
Psychological Assessment	LifCoDe, Zemabawk	1	28
Blood Donation Camp	NSS, MZU Unit	1	9
Online Farmers Input Dealer	Sasya Shyamala Krishi Vigyan	1	57

Technical Class	Kendra, Ramakrishna Mission Vivekananda Educational and Research Institute, West Bengal		
Workshop on Foldscope(A Paper microscope) as scientific tool for school students Under DBT Foldscope Project 2018 (15 Workshop was organized in schools of Mizoram)	Department of Forestry DBT, New Delhi	1	300
Community Engagement	Departmental	1	47
Blood donation Camp, NSS	MZU	1	80
View File			

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

Name of the activity	Award/Recognition	Awarding Bodies	Number of students Benefited
Coordinated with Mizoram State Government in establishing the RT-PCR testing laboratory at Zoram Medical College, Falkawn and standardizing the assays for COVID19.	Recognition	Dept. of Health and Family Welfare, Govt. of Mizoram, Mizoram	3
Member, Covid-19 Committee of Psychological and Social Guidance Govt of Mizoram	Convener, Member and Counselor	Disaster Management and Rehabilitation Department under Govt of Mizoram and Government of Mizoram	11
No file uploaded.			

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

Name of the scheme	Organising unit/Agency/collaborating agency	Name of the activity	Number of teachers participated in such activities	Number of students participated in such activities
Swachh Bharat	MZU	Swachh Bharat Abhyan	3	12
Swachh Bharat	MZU	Cleaning the campus	7	80

Radio talk on subjects under Health and Sanitation, Womens programme	All India Radio	Radio talk	1	5
Observation of the 150th birth anniversary celebration of Mahatma Gandhi	MZU	Cleanliness Drive programme	6	33
150 years of Celebrating the Mahatma	MZU	Short Play Drama on Hindu Muslim Unity	6	63
World Environment Day	MZU	Campus Green Drive	6	63
Swachh Bharat Mission	MZU	Beautification of Campus	6	63
Swacch Bharat	Botany	Cleanliness drive	6	63
HIV Awareness	Red Ribbon Club, MZU MSACS	HIV Awareness	3	32
Co-Curriculum activities	Mizoram University	Swachh Bharat	6	52
View File				

3.7 – Collaborations

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

Nature of activity	Participant	Source of financial support	Duration
Research Project	Dr. Th. Robert Singh, Department of Biotechnology, Mizoram University, Aizawl and Indian Institute of Technology, Kharagpur	DBT, Govt. of India	365
Research Project	Dr. Th. Robert Singh, Department of Biotechnology, Mizoram University, Aizawl	DBT, Govt. of India	365
Research Project	Dr. Th. Robert Singh, Department of Biotechnology, Mizoram University, Aizawl and 1. AAU, Jorhat 2. NBRI, Lucknow 3. ICAR-IIHR	DBT, Govt. of India	365

Research Project	Dr.H.Lalhruaitluinga, Department of Biotechnology, Mizoram University, Aizawl, and 1. IITG 2. IITM	ICMR, Govt. of India	256
Research Project	Dr.H.Lalhruaitluinga, Department of Biotechnology, Mizoram University, Aizawl and 1. NERIST, Arunachal Pradesh 2. Nagaland University, Lumami, Nagaland 3. ICAR-NBPGR, New Delhi 4. ICAR-NRC Banana, Tiruchirapalli 5. Gauhati University, Guwahati	DBT, Govt. of India	256
Research in Indian population Genomes	Prof. N. Senthil Kumar, Department of Biotechnology, Mizoram University, Aizawl ; Participants of GenomeIndia and IndiGen	CSIR and DBT, Govt. of India	365
Research	Prof. Diwakar Tiwari	Catholic Kwandong University, Gangneung, Korea	30
Research	N.P. Maity, R. Maity & Ameen El-Sinawi, Khalifa University, UAE	Self	365
Research	N.P. Maity, R. maity & Srimanta Baishya, National Institute of Technology, Silchar	Self	365
Research	N. P. Maity, R. Maity & K. Guha, National Institute of Technology, Silchar	Self	365
View File			

3.7.2 – Linkages with institutions/industries for internship, on-the- job training, project work, sharing of research facilities etc. during the year

Nature of linkage	Title of the linkage	Name of the partnering institution/ industry /research lab with contact	Duration From	Duration To	Participant

		details			
Internship	Industrial Training	APPWARS Technologies, ph: 919911169001, email: info@appwars technologies .com	20/06/2020	30/07/2020	13
Internship	Winter Training Programme	NEIST, Jorhat	26/12/2019	05/02/2020	2
Research Collaboration	Research Project: Deciphering the Role of Different Isoforms of AKT in the Development of Human Oral Squamous Cell Carcinoma	IIT Guwahati and IIT Madras	01/01/2019	31/07/2020	5
Research Collaboration	Research Project: Synergistic effects of Cowpea isoflavones, Beta-carotene and vitamin D on the osteoblast	National Institute of Nutrition	01/01/2019	31/07/2020	4
Research Collaboration	Project Work	AAU, Jorhat, Assam	01/01/2019	31/12/2020	20
Research Collaboration	Project Work	IHRI, Bangalore	01/01/2019	31/12/2020	20
Research Collaboration	Project Work	NRC Banana, Trichy	01/01/2019	31/12/2020	20
Research Collaboration	Project Work	Bharathiar University, Coimbatore	01/01/2019	31/12/2020	15
Project collaboration	Collection, taxonomy, molecular characterization and conservation of Musa	1. Division of Natural Resource Management, ICAR, Research Complex for	01/01/2019	31/12/2020	3

	germplasm from north-eastern region of India	NEH Region, Meghalaya 2. ICAR-NBPGR, Regional Station, Shillong 3. University of Agricultural Sciences, Bangaluru 4. ICAR-NBPGR, New Delhi			
Project collaboration	Collection, evaluation, documentation and conservation of banana genetic resources from north eastern region	1. NERIST, Arunachal Pradesh 2. Nagaland University, Lumami, Nagaland 3. ICAR-NBPGR, New Delhi 4. ICAR-NRC Banana, Tiruchirapalli 5. Gauhati University, Guwahati 6. Department of Biotechnology, Mizoram University, Aizawl	01/01/2019	31/12/2020	3

[View File](#)

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

Organisation	Date of MoU signed	Purpose/Activities	Number of students/teachers participated under MoUs
MZU CSIR-IGIB	29/01/2020	Research Collaboration	4
HEALTH AND FAMILY WELFARE DEPARTMENT, GOVERNMENT OF MIZORAM	12/12/2019	ESTABLISHMENT OF ACADEMIC AND RESEARCH COLLABORATION	65
Yunus Social Business Centre	08/07/2020	Promote Social Business Concepts of alleviating poverty, and address social and environment problems	1
State Commission	31/07/2019	Consultancy	1

for Protection of Child Rights			
ICMR-NARI, Pune	08/09/2020	Consultancy	1
Hallym University and Mizoram Unibersity	15/04/2019	Enriching instructional programs and promoting global awareness among students	1
DRDO and Mizoram Unibersity	05/02/2019	Collaboration in academic and research activities	10
IT Hub Mahatma Gandhi Tech Park and Mizoram Unibersity	30/05/2019	Enriching incubation programs, promoting global/international awareness and providing entrepreneurial training.	1
University of Science and Technology and Mizoram Unibersity	25/09/2019	Enriching instructional programs and promoting global awareness among students	2
Indian Institute of Food Processing Technology and Mizoram Unibersity	03/11/2020	To facilitate a collaborative program of research, training, curriculum, institutional development, information dissemination and excahnge of faculty, students and staff	2
No file uploaded.			

CRITERION IV – INFRASTRUCTURE AND LEARNING RESOURCES

4.1 – Physical Facilities

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

Budget allocated for infrastructure augmentation	Budget utilized for infrastructure development
1050	1010.48
16.7	16.7

4.1.2 – Details of augmentation in infrastructure facilities during the year

Facilities	Existing or Newly Added
Campus Area	Existing
Class rooms	Existing

Class rooms	Newly Added
Laboratories	Existing
Laboratories	Newly Added
Seminar Halls	Existing
Seminar Halls	Newly Added
Classrooms with LCD facilities	Existing
Classrooms with LCD facilities	Newly Added
Seminar halls with ICT facilities	Existing
Value of the equipment purchased during the year (rs. in lakhs)	Existing
Value of the equipment purchased during the year (rs. in lakhs)	Newly Added
Others	Existing
Number of important equipments purchased (Greater than 1-0 lakh) during the current year	Existing
Number of important equipments purchased (Greater than 1-0 lakh) during the current year	Newly Added
Classrooms with Wi-Fi OR LAN	Existing
Classrooms with Wi-Fi OR LAN	Newly Added
View File	

4.2 – Library as a Learning Resource

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

Name of the ILMS software	Nature of automation (fully or patially)	Version	Year of automation
Total Library Software System (TLSS)	Fully	2012	2008

4.2.2 – Library Services

Library Service Type	Existing		Newly Added		Total	
Text Books	78007	134172043	2901	4074365	80908	138246408
Reference Books	31351	22027034	227	55635	31578	22082669
e-Books	197	2000000	1271	10000000	1468	12000000
Journals	226	1935000	Nill	Nill	226	1935000
e-Journals	2151	3240400	Nill	2940093	2151	6180493
CD & Video	506	Nill	55	Nill	561	Nill
Library Automation	1	325000	Nill	Nill	1	325000

No file uploaded.

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

Name of the Teacher	Name of the Module	Platform on which module is developed	Date of launching e-content
Thangjam Robert Singh	BIOTECH/4/CC/24: Plant Biotechnology	LMS	01/04/2020
Thangjam Robert Singh	BIOTECH/4/CC/25: Lab based on CC/26	LMS	01/04/2020
Thangjam Robert Singh	BIOTECH/4/CC/31: Dissertation (Plant Biotechnology)	LMS	01/04/2020
N. Senthil Kumar	BIOTECH/04/SC/28: Genomics and Proteomics	LMS	01/04/2020
N. Senthil Kumar	BIOTECH/04/SC/30: Molecular Oncology	LMS	01/04/2020
N. Senthil Kumar	BIOTECH/4/CC/31: Dissertation	LMS	01/04/2020
J. Bhattacharya	BIOTECH/02/FC/08: Biostatistics	LMS	01/04/2020
J. Bhattacharya	BIOTECH/02/CC/11: Biochemistry	LMS	01/04/2020
J. Bhattacharya	BIOTECH/02/CC/13: Practical based on CC/10,1112	LMS	01/04/2020
S. Thangminlal Vaiphei	BIOTECH/02/CC/12: Molecular Biology	LMS	01/04/2020

[View File](#)

4.3 – IT Infrastructure

4.3.1 – Technology Upgradation (overall)

Type	Total Computers	Computer Lab	Internet	Browsing centers	Computer Centers	Office	Departments	Available Bandwidth (MBPS/GBPS)	Others
Existing	1096	35	504	91	39	227	198	1	0
Added	68	2	6	6	0	7	19	0	0
Total	1164	37	510	97	39	234	217	1	0

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

1 MBPS/ GBPS

4.3.3 – Facility for e-content

Name of the e-content development facility	Provide the link of the videos and media centre and recording facility
Sony Camcorder, VU 48 inch TV, Studio	http://www.mzuict.in/

Lights, Senheisser headphone, Microphone, Green Screen etc.	
8 digital SLR camera, Digital photo printer, 5 Video(handycam) cameras, 5 video light (Harison VL-1000D) lights, 5 Sony PD 170 video camera, Trpods(Libec TH 650 DV), 5 Reflectors of different size, 10 apple computer with Final cut pro editing softwar	https://mzu.edu.in/department-of-mass-communication/
Intel Core i7-6700 8M 3.4 GHz desktop Processor -1 No., Camera Canon 7D mark 2- 1 no., Video Camera Sony HXR-NX5P-1 No	https://mzu.edu.in/public-relation-cell/

4.4 – Maintenance of Campus Infrastructure

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

Assigned Budget on academic facilities	Expenditure incurred on maintenance of academic facilities	Assigned budget on physical facilities	Expenditure incurred on maintenance of physical facilities
400	316.38	400	392.16

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

Mizoram University has an Engineering Cell with experienced manpower for maintaining civil and electrical works of various department and administrative branches. (<https://mzu.edu.in/engineering-cell/>) Management and Maintenance of Sports Complex: The repairing and maintenance work of the sports complex and the library is done by the related Engineering Cell. Dean of Students Welfare (DSW) and Sports Department conduct all sports and cultural events. The various facilities that are available for sports and extra-curricular activities are the multipurpose Hall, Auditorium, Seminar Halls, Open Air Theater (Amphitheater), Volleyball court, Basketball court, Badminton court and Football ground Management and Maintenance of Central Library: The Central Library has a collection of over 1,09,591 books and these are supplemented by e-Resources that are received from INFLIBNET. The entire library holdings have been made available in machine readable catalogue through WebOPAC since 2008. The library conducts Orientation Programmes for newly admitted students for every academic session. The library has upgraded its existing Library Management Software by integrating it with an SMS E-mail Alert System. (<https://library.mzu.edu.in/>). There are more than 25 departmental libraries that are functional within the university. Computer Purchase and Maintenance Procedure: General Administration Department (GAD) purchases computers as per central purchase regulations. GAD-B facilitates the computer repairing centre with one computer technician. Mizoram University has the following important centres: • MZU Incubation Centre • DBT BioNEST Incubator • DRDO NEST Centre • ARL VLSI • MZU MOOCs Centre • MZU HRDC • MZU FDC <https://mzu.edu.in/> • Central Instrumentation Facility (CIL) Central Instrumentation facility (CIL) houses 15 sophisticated state of the art instruments. It has been created for providing a central facility for the latest Advanced Analytical Instruments. <https://mzu.edu.in/centralinstrumentation-laboratory/> • DBT State Biotech Hub, Bioinformatics Centre (for more details of the facility URL link <https://mzu.edu.in/dbt-biotech-hub-bif/>) Hostel facility is provided to the students and scholars, <https://mzu.edu.in/halls-of-residences-hostels/>. Health Center: The Mizoram University Health Centre provides basic facility for

curative and preventive measures and plays an important part in educating and maintaining the health status of the students, staff and their dependants. The medical service facilities are also available at night. Medicines as prescribed by the doctors are dispensed to: Students, Staff (Regular) and dependants. All patients within the campus, requiring emergency treatment are attended to, free of cost. Visit by patients record/prescription/medicine issued/stock/laboratory reports have been computerized under the E-Governance programme of Mizoram University from 1st February 2017. The Health Centre provides ambulance services for the students and the employees. Bus Service: The university provides bus service for students, staff and teachers. More than 30 buses have been deployed for the same. General Administration Department (GAD)/Estate Office/Engineering Cell: The GAD undertakes the following responsibilities: 1. Overseeing the infrastructural facilities of the campus 2. Improvement at physical ambience as a routine procedure 3. Maintenance of greenery of the university through regular trimming and grooming of trees 4. Maintenance of internal roads, inculcating rain water harvesting for supply to academic departments and residential complexes. 5. Maintaining varieties of ornamental and medicinal plants.

<https://mzu.edu.in/>

CRITERION V – STUDENT SUPPORT AND PROGRESSION

5.1 – Student Support

5.1.1 – Scholarships and Financial Support

	Name/Title of the scheme	Number of students	Amount in Rupees
Financial Support from institution	Non-NET Fellowship, MZU/UGC Fellowship, Mizoram University Fee Freeship, Half fee freeship	44	3951943
Financial Support from Other Sources			
a) National	Tribal Scholarship, JRFs (CSIR, DBT, NSFT, DST, BRNS), Post Matric Scholarship, NFSC, NEC, NPS, National Scholarship, UGC NET-JRF, Maulana Azaad National Fellowship, SRF, Umbrella Scheme, NEC Merit Scholarship, Manipur MOBC Scholarship	433	30894210
b) International	NA	Nil	0
No file uploaded.			

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

Name of the capability	Date of implemetation	Number of students	Agencies involved
------------------------	-----------------------	--------------------	-------------------

enhancement scheme		enrolled	
Mentoring	01/12/2020	209	Department of Education
Mentoring	01/12/2020	100	Department of Economics
Personal Counselling and Mentoring	01/12/2020	68	Department of Computer Engineering
Mentoring	01/12/2020	80	Department of Commerce
Personal Counselling	01/12/2020	80	Department of Commerce
Remedial Coaching	01/12/2020	15	Career Counselling Cell Dept. of Commerce
Mentoring	01/12/2020	60	Botany
Tutorial	01/12/2020	52	Department of Biotechnology
Mentoring	01/12/2020	52	Department of Biotechnology
Remedial Coaching	01/12/2020	52	Career Counselling Cell Department of Biotechnology
View File			

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

Year	Name of the scheme	Number of benefited students for competitive examination	Number of benefited students by career counseling activities	Number of students who have passed in the comp. exam	Number of students placed
2020	UGC-NET Coaching	30	30	1	2
2019	GATE Exam Guidance	9	Nil	1	Nil
2019	UGC-NET Coaching	34	84	Nil	Nil
2019	Career Guidance & Counselling for 26 students by Pearson Academy, India	1	12	1	Nil
No file uploaded.					

5.1.4 – Institutional mechanism for transparency, timely redressal of student grievances, Prevention of sexual

harassment and ragging cases during the year

Total grievances received	Number of grievances redressed	Avg. number of days for grievance redressal
Nil	Nil	Nil

5.2 – Student Progression

5.2.1 – Details of campus placement during the year

On campus			Off campus		
Name of organizations visited	Number of students participated	Number of students placed	Name of organizations visited	Number of students participated	Number of students placed
WIPRO NLTH, HDFC Bank, HR Travel Binz, Instakart Service Pvt.ltd	80	29	Capgemini India, Infosys, Fragma Data Systems, TATA AIG Insurance, Kirloskar Brother Ltd., HDB Financial Services, PAN HR Solution, Design Plus, ARDECO, Catalyst Arc hitecture, Tatty-arch design solutions	20	18
No file uploaded.					

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

Year	Number of students enrolling into higher education	Programme graduated from	Department graduated from	Name of institution joined	Name of programme admitted to
2019	1	B.Tech	Computer Engineering	IIT HYD	M.Tech
2020	3	B.Tech	Computer Engineering	MZU	M.Tech
2019	3	M.Phil	Commerce	MZU	Ph.D
2019	4	M.Com	Commerce	MZU	M.Phil
2019	6	M.Sc	Chemistry	MZU, NEHU, NEIST, Dibrugarh Un iversity, Tez pur University	Ph.D
2019	2	M.Sc	Botany	Botany	Ph.D

2019	3	M.Sc in Biotechnology	Biotechnology, MZU	Biotechnology, MZU	M.Phil
2019	1	M.Sc in Biotechnology	Biotechnology, MZU	Bharathidasan University	Ph.D
2019	5	M.Phil in Biotechnology	Biotechnology, MZU	Biotechnology, MZU	Ph.D
2019	1	M.Sc in Biotechnology	Biotechnology, MZU	Biotechnology, MZU	Ph.D
View File					

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

Items	Number of students selected/ qualifying
NET	71
GATE	7
Civil Services	2
Any Other	38
No file uploaded.	

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

Activity	Level	Number of Participants
Inter Departmental Sports	Institution level	2000
Cultural Dance	Institution level	50
MZP Inter College Cultural Competition	State level	30
Blood Donation	Institution level	344
MZUSC Executive Meeting	Institution level	145
Entrepreneurship Starting Startup Programme	State level	280
No file uploaded.		

5.3 – Student Participation and Activities

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

Year	Name of the award/medal	National/ International	Number of awards for Sports	Number of awards for Cultural	Student ID number	Name of the student
2019	NA	National	Nil	Nil	Nil	NA
No file uploaded.						

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

The Mizoram Students' Council (MZUSC) has 6 elected and 4 appointed office bearers with 130 executive members representing all the academic departments of

the university. The organisational structure shows the functioning of 4 clubs a forum namely Literature club, MZUSC discussion forum, Adventure club and Chess club. The MZUSC has 2 representative members each in the Mizoram University administrative bodies such a MZU Convocation, Academic council, Students welfare committee and Students discipline committee. The MZUSC executive meetings and General body meeting is held. The students' welfare activities carried-out during the assessment period includes One Day Blood Donation Camp jointly organised by NSS unit MZU and Red Ribbon Club MZU on 11th October, 2019 and 344 unit of blood is donated by the fraternity. The category-wise award is given as Best Blood donor award to the Department of Mizo and Department of Economics, Best Participating award to the department of Mathematics, department of Computer science and to the department of Psychology. Secondly, the MZU Inter-departmental sport is held during 4th-7th November, 2019 at three avenue at Lammual (Assam Riffle Play ground), Ramhlun sport complex and Rajvi Gandhi stadium, Mualpui. The winner of the activitie as Football (men) was the Department of Mathematics and Computer Science, Volley ball (women) was the Department of Environmental science and the Best Department award goes to the Department of Economics. Thirdly, the MZUSC Award distribution programme is organised on 16th October, 2019 for the outstanding performances and participations of the students in academic as well as co-curricular activities and Student of the Year is awarded to Miss Ashley Lalremruati, Department of Economics and a Special award is given to Joan Laldinpuii, Department of Mathematics and Computer Science. Thus, due to atrocities of COVID-19 nationwide lockdown, partial lockdown, emergencies and endurances to standard operating procedures the regular activities calendar of the students council of Mizoram University is limited and regular MZUSC activities calendar and infact the main events such as the Annual Mizoram University Sport Meet, Varsity Week (Virthli Fest) and parting social were not organised.

5.4 – Alumni Engagement

5.4.1 – Whether the institution has registered Alumni Association?

Yes

The Alumni Association has been actively functioning since 2013. Alumni meeting have also been held every year. The number of registered Alumni is 1959 at present. Members have been contributing in cash and in kind. Alumni contribution during the year of report is Rs. 45,000/-. Advisory Committee for Alumni Association has been formed to look after the Alumni Association.

5.4.2 – No. of registered Alumni:

1959

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

45000

5.4.4 – Meetings/activities organized by Alumni Association :

17

CRITERION VI – GOVERNANCE, LEADERSHIP AND MANAGEMENT

6.1 – Institutional Vision and Leadership

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

1) Mizoram University promotes the culture of participative management through wide ranged representation in the decision-making organs. All Heads of the Academic Departments, all Deans of the Schools, members of students' councils and all Professors are the ex-officio members of the University Court and

Academic Council. There are nominees of the State Government, state representatives and nominees of the constituent and affiliated colleges in the Academic Council. Four Deans on rotation, senior-most Professor and senior-most Associate Professor are members of the Executive Council along with the representatives of the State Government and constituent and affiliated colleges. Representation of teachers and of the State Government has also been ensured in the Finance Committee and the Building Committee. Deans of Schools are also members of the University Central Purchase Committee by rotation. 2)

The academic activities of the University are mostly decentralized and administered at the departmental procedure level by following the practice of participative management. The admission, revision of syllabus, sharing of administrative responsibilities, conduct of examinations and other related responsibilities are carried out by the departments through a system of consultation and participation by the faculty members. Teachers play active role in the governance of the university through their participation in various decision making bodies at various levels and capacities e.g., the Executive Council, Academic Council, Mizoram University Court, School Board, Board of Studies and non-statutory committees. Similarly, under the Mizoram University Statutes, the students' council representatives also take active part in the Academic Council and in providing useful contributions towards the decision-making process.

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

Yes

6.2 – Strategy Development and Deployment

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

Strategy Type	Details
Admission of Students	<p>Admission is invited from all students across the country and foreign countries through newspaper, websites and social networking platforms. Online admissions portal had been in use since 2015 for the convenience of applicants.</p> <p>Admission Helpdesks are opened in selected places in the state capital and students volunteer provide free assistance to applicants in online submission of the form. The university strictly follows reservation policy for the admission laid by UGC/GoI.</p>
Industry Interaction / Collaboration	<p>The University has established the Innovation Cell which provides a platform to bring the research Innovation to the Technology Development at the end or the start-up to be created. The Incubation Centre is instrumental in the establishment of a few start-ups. The department of Horticulture, Aromatic and Medicinal Plants (HAMP) has started a small scale start-up on Agro Foods in the department. BioNest Incubator, ALR VSLI Lab are in place and performing well. The University took a policy decision to have at least one member in the</p>

Board of Studies and the School Board from the Industry to enable academia-industry interactions and ultimately the technology development and the technology transfer.

Human Resource Management

Utilizing the services of Human Resource Development Centre (HRDC) and Faculty Development Centre (FDC) of the university, professional skill development programmes were conducted regularly for both teaching and non-teaching employees. Besides, experts from outside the university such as Administrative Training Institute (Govt. of Mizoram) were invited for in-house training for administrative staff to enhance the competency. Utmost care were taken by the administration in posting the employee in the department/section where he/she could render the service most efficiently and competently. To ascertain the strength and weakness of each employees, pen picture of the reporting officer upon the employee in APAR are effectively used.

Library, ICT and Physical Infrastructure / Instrumentation

The University has 173 classrooms out of which 152 classrooms are equipped with ICT, digital projection and 1 Gbps LAN facilities. Campus is Wifi enabled. The academic departments are provided with uninterrupted power supply and good solar power back up generators in all the schools and administrative offices. Street lights are powered up by solar energy. CCTV surveillance systems were installed in selected places for better security provision. E-journals access is provided to all the departments with a campus LAN. There are 25 Departmental Libraries, in addition to the Central Library. The departments of the University have around 98 state-of-the-art laboratories equipped with high end instruments for research and academic activities. There are 19 seminar halls across the University for use in conferences, seminars and meetings. The Central Library has over 1,07,000 books and 13,188 bound volumes of journals. The Library subscribes to 219 journals, 41 general periodicals and 20 dailies. The resources have been enriched further by e-resources provided by INFLIBNET Centre through e-ShodhSindhu consortia, providing 7,506 number of e-journals

	from 22 publishers.
Research and Development	<p>The University has good research facilities for scholars and faculty members. Central Instrumentation Lab is a specialized research facility which houses 15 sophisticated state-of-the-art instruments with other supporting/basic facilities. A number of researches are being carried out in State Biotech Hub and DBT-Bioinformatics facility of the university. International Students Centre and Collaborations (ISCC) is also set up to foster international collaborations with reputed universities and institutions abroad for joint research projects, faculty and student development and exchange, joint programs like workshops and seminars.</p>
Examination and Evaluation	<p>With the implementation of the CBCS since 2013, examination procedures in the University have been upgraded. The evaluation system incorporating the use of IT ensured transparency, confidentiality and efficiency. The University ensures that the office of the Controller of Examinations has sufficient human resource and technical support that ensures the autonomy of its functions. End-semester examinations are centralized and all security concerns are addressed. Pre-Examination processes (preparation of exam roll sheets etc.), result processing, result publications, issue of grade card, etc. are automated. Faculty members are allowed to enter marks into the system through campus network. Re-evaluation is permitted only for C3 component (End semester examination).</p>
Teaching and Learning	<p>Participatory and collaborative learning strategies like pair and group assignments, presentations, class discussions, and panel discussions are the mode of learning in almost all the departments. Students work together in small groups in analyzing the latest research articles in their field in the library. Students are also required to be actively involved and facilitate all seminars, symposia, conferences and workshops organized by their respective departments. Experiential learning is one regular mode of learning where students, during their fieldwork and</p>

	<p>excursions, learn through observation and interaction with the environment. Students are also required to reflect upon their experiential learning through written forms or workshops and seminars. The students also participate in various extra-curricular activities in the campus and outside.</p>
Curriculum Development	<p>The University follows a systematic process in the design and development of the curriculum to make it relevant to the local, regional and national needs. The need assessment of the revision of PG and UG programmes is an in-built mechanism in the University Ordinances and Regulations. The faculties of its affiliated colleges are also involved in the revision/updating of its PG and UG curricula. The faculty members of the University keep track of new developments in their respective fields of teaching and research through the journals of repute, formal and informal interactions with faculty of other Universities in the country and abroad as well. The external members in the statutory academic bodies also provide their inputs while formulating/updating the curriculum. The model syllabi designed by regulatory bodies such as UGC, NCTE and AICTE are given due consideration. Most importantly, the syllabi revision/updating is given due consideration of feedback provided by the students, alumni, employees and parents on a regular basis.</p>

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

E-governance area	Details
Administration	Major activities of administration (academics administrative) are computerised. E-servicebook of employees, online leaves applications approval, file movement tracking, document managements, etc are included in the module.
Finance and Accounts	Finance Department has complete ERP Solution for payroll, budget and account and other financial activities.
Student Admission and Support	Students admission is fully online with helpdesk system.
Examination	Examination is fully computerised. All activities - pre-examination, preparation, result processing and publishing results are done by the Exam

6.3 – Faculty Empowerment Strategies

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

Year	Name of Teacher	Name of conference/ workshop attended for which financial support provided	Name of the professional body for which membership fee is provided	Amount of support
2019	Dr. Jay Prakash Singh	International Conference on Advances in Higher Mathematics, Mathematical Sciences and Mathematical Modelling, Annual Conference of Calcutta Mathematical Society, December 20-22,2019	NA	23500
2019	Amit Kumar	ICDL-2019	MZU	25000
2019	Manoj Kumar Verma	8th International Library and Information Professionals Summit (I- LIPS2019)	MZU	25000
2019	Dr. Chhungpuii Khawlhiring	"4th Edition of global conference on plant science and molecular biology"	Magnus group	50000
2019	Dr. Keshav Kumar Upadhyay	6th Asian Den drochronology Conference	NA	21000
2020	Dr.Prabhat Kumar Rai	Indian National Science Academy (INSA- INYASYoung Academy annual Meet	Indian National Science Academy (INSA- INYASYoung Academy	10000
2019	Dr.S.T.Lalzar zovi	IHCAP Level 4 Training of trainers on Climate Change Adaptation Planning in the	NA	25000

		Himalayan Region		
2020	Dr. Ved Prakash Singh	International Conference on Medicinal Chemistry Drug Discovery	ICMR	124734
2019	Dr. A.Bimolini Devi	International Conference on Chemical Ecology, Environment Human Health - Emerging Frontiers Synthesis	MZU	25000
2019	Dr.N.Mohondas Singh	International Conference on Chemical Ecology, Environment Human Health - Emerging Frontiers Synthesis	MZU	25000
No file uploaded.				

6.3.2 – Number of professional development / administrative training programmes organized by the University for teaching and non teaching staff during the year

Year	Title of the professional development programme organised for teaching staff	Title of the administrative training programme organised for non-teaching staff	From date	To Date	Number of participants (Teaching staff)	Number of participants (non-teaching staff)
2019	Training Programs on Reflexive ICT	N.A.	11/11/2019	15/11/2019	61	Nil
2019	Training Programs on Preparation of question paper for Higher secondary school science teacher	N.A.	06/08/2019	10/08/2019	35	Nil
2019	Training Programs Innovative	N.A.	06/08/2019	10/08/2019	30	Nil

	methods of teaching in Elementary Schools					
2019	Training Programs on Life Skills	N.A.	18/11/2019	22/11/2019	40	Nil
2019	Training As Effective Transaction of The Content And Pedagogical Input	N.A.	14/10/2019	18/10/2019	30	Nil
2019	Faculty Induction Programme	N.A.	07/11/2019	16/12/2019	41	Nil
2019	Faculty Induction Programme	N.A.	18/11/2019	17/12/2019	40	Nil
2019	Innovative method of teaching for primary school headmaster	N.A.	21/10/2019	25/10/2019	40	Nil
2019	Faculty Induction Programme (FIP 5)	N.A.	18/11/2019	17/12/2019	42	Nil
2020	Training Programs on Use of ICT in Teaching	N.A.	25/02/2020	29/02/2020	131	Nil
View File						

6.3.3 – No. of teachers attending professional development programmes, viz., Orientation Programme, Refresher Course, Short Term Course, Faculty Development Programmes during the year

Title of the professional development programme	Number of teachers who attended	From Date	To date	Duration
Online Training on "Planning, Design, Construction	1	Nil	Nil	12

and Maintenance of Hill Roads"				
STTP on "Testing of Bituminous Material and Design of Bituminous Mixes"	1	Nill	Nill	5
Orientation Course by UGC HRDC, Mizoram University	3	Nill	Nill	21
Refresher Course on, "Research Methodology : Tools and Techniques"	3	Nill	Nill	14
Refresher Course on, "Research Methodology : Tools and Techniques"	1	Nill	Nill	14
Short Term Course	1	Nill	Nill	5
Refresher Course	1	Nill	Nill	13
Refresher Course	1	Nill	Nill	13
Research Methodology in Basic Sciences	1	09/10/2019	22/10/2019	14
Refresher Course in Environmental Science and Disaster Management	1	24/09/2019	07/10/2019	14
View File				

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

Teaching		Non-teaching	
Permanent	Full Time	Permanent	Full Time
43	Nill	6	Nill

6.3.5 – Welfare schemes for

Teaching	Non-teaching	Students
19	17	7

6.4 – Financial Management and Resource Mobilization

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

1. The University views auditing of accounts as a measure for the improvement of the accounting system, and also for better financial management. 2. The University has a well-established Internal Audit Cell (IAC) Pre- and post-audit checks are exercised by the Internal Audit Cell. The cell also undertakes stock verification. 3. The Finance Department ensures timely submission of UC/SE to the UGC, compilation of annual accounts, auditing of annual accounts and submission of audited annual accounts to MHRD, Govt. of India. 4. The Finance Department of the University maintains and monitors the accounts of all research projects/ schemes sanctioned to the faculty and students. It also ensures timely submission of audited Utilization Certificates for every project as per requirement of funding agencies. 5. Annual accounts of the University are audited by the office of the Accountant General, Aizawl. Audited annual accounts and audit report, after discussion in the Finance Committee, Executive Council and University Court, are submitted to the MHRD, Govt. of India before it is presented to the Parliament. 6. The Finance Department ensures that the stock registers of buildings, land, furniture and equipment are updated and maintained. It keeps a record of equipment and other consumable materials that are maintained in all offices, Special Centres, Specialized Laboratories, and Constituent College and Institutions as maintained by the University. 7. Annual accounts have been regularly audited by the AG office.

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

Name of the non government funding agencies /individuals	Funds/ Grnats received in Rs.	Purpose
Mizoram Rural Bank CSR	1000000	Creation of Children Park
No file uploaded.		

6.4.3 – Total corpus fund generated

1000000

6.5 – Internal Quality Assurance System

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

Audit Type	External		Internal	
	Yes/No	Agency	Yes/No	Authority
Academic	No	NA	Yes	Mizoram University
Administrative	No	NA	Yes	Mizoram University

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

1. Teachers from Mizoram University are mentors for all the affiliated/constituent colleges 2. College Development Council (CDC), Mizoram University takes constant efforts to enhance the quality of affiliated/constituent colleges 3. Teachers from affiliated/constituent colleges are taking part in the participative management by being appointed as members of BOS, School Board, Academic Council and in other relevant Committees, formed by the University. 4. Mizoram University organizes Refresher Course, Orientation Course, Summer School and Winter School for affiliated/constituent colleges.

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

1. Parent - Teacher Meeting is conducted by every department in each semester to discuss students, curriculum and other related issues 2. Feedback, received from Parents are pursued by departments for qualitative improvements 3. The Parent - Teacher meeting minutes are submitted to the IQAC by all departments

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

1. Spoken English and Accent Neutralisation at ATI, Aizawl during 5-9th August, 2019. 2. One Day Inhouse Training at MZU on 13th September, 2019. 3. Foundation Training for Group A 1st Round at ATI, Aizawl during 16 Sept - 16 October, 2019 4. Training on "Uses of Official Hindi in day to day work" for Group A, B C on 25th September, 2019. 5. Hindi Training Scheme at MZU and Dept. of Posts during August - November Session, 2019. 6. Awareness Programme on GeM at MZU on 6th December, 2019. 7. Building team trust at ATI, during 11-13 December 2019. 8. Awareness Programme on GeM at MZU on 12th December, 2019. 9. Awareness Programme on PFMS at MZU on 13th January, 2020. 10. National Fellowship Scholarship for HE for ST students (NFST Scheme) at Canara Bank Regional Training College, Haryana during 22nd January 2020. 11. Office Procedures for Staff under Department of Examinations on 3rd February, 2020. 12. Work Ethics Training at Department of Examinations on 3rd February, 2020. 13. Workshop on Reservation for SC/ST/OBCs, EWS and PEDs in services at Institute of Good Governance, New Delhi during 17-18 February, 2020.

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

1. Faculty Meeting is regularly convened by IQAC on need basis 2. Efforts have been made to encourage faculty members to apply for research projects and to publish in Scopus and high index journals 3. Efforts have also been made to improve the perception level of the University 4. Efforts have also been made to strengthen Career Counseling Cell by conducting regular coaching 5. Science departments applied for DST FIST and some received the support 6. Efforts are taken to increase the admission of international students through International Students Centre and Collaborations (ISCC) Mizoram University 7. Career Counseling Cell is made more vibrant to conduct several coaching programme specific to the competitive exams

6.5.6 – Internal Quality Assurance System Details

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

6.5.7 – Number of Quality Initiatives undertaken during the year

Year	Name of quality initiative by IQAC	Date of conducting IQAC	Duration From	Duration To	Number of participants
2019	Monthly Faculty Meeting	30/08/2019	30/08/2019	30/08/2019	164
2019	Monthly Faculty Meeting	27/09/2019	27/09/2019	27/09/2019	128
2019	Monthly Faculty Meeting	25/10/2019	25/10/2019	25/10/2019	134

		community					
2020	1	1	09/07/2020	5	Psychological support and guidance to the victims of the earthquake in 3 MLA constituencies	MENTAL HEALTH	16
2020	1	2	09/05/2020	Nil	Covid committee on psychological and social guidance and counseling cell	MENTAL HEALTH	4
2020	15	12	01/04/2020	25	Field Work	Social Problems	60
2020	1	1	29/01/2020	365	Centre for Clinical Genomics (CCG) for disease diagnosis and prognostic marker evaluation	With the support of CSIR-Institute of Genomics and Integrative Biology, New Delhi	4
2019	1	1	05/11/2019	1	Annual Puppet Show	Annual Puppet Show for the students of AICS Junior School, Tanhril Aizawl as a part of their course for first semester students to teach how folk media can be used	22

						to inform, educate and entertain.	
2019	1	1	01/08/2019	1	Campus Cine Club	Started in 2012 as a part of the syllabus. The club is open to anyone. The cine club screened movies which has social impacts and also as an extension activity of inculcating and appreciating film literacy.	47
2019	1	1	01/08/2019	1	Blog 'Spectator'	Started in 2015 as part of the syllabus. The blog has articles and video documents which are contributed by the students on various topics. http://thespectator15.blogspot.com/	47
2019	1	1	01/08/2019	1	SilhouetteNewslink	Started in 2015, Silhouette Newslink is a news	47

						broadcasting programme on Youtube which covers story local, national and international news respectively. https://www.youtube.com/channel/UCqn5Zy9M_q3G9_sHe5v9Iow	
2019	1	1	01/08/2019	1	Sillhouette news letter	Started in 2012 news letter a lab Journal called "Sillhouette" The news letter covers local, national and international news.	47
No file uploaded.							

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

Title	Date of publication	Follow up(max 100 words)
NIL	01/08/2019	NIL

7.1.6 – Activities conducted for promotion of universal Values and Ethics

Activity	Duration From	Duration To	Number of participants
Social Work Values and Ethics	01/08/2019	09/08/2020	30
Celebration of 150th Birth Anniversary of the Mahatma	02/10/2019	02/10/2019	20
National Workshop on "Ethics in Research and Preventing	03/10/2019	03/10/2019	30

Plagiarism (ERPP - 2019)			
Cleanliness Drive	04/10/2019	12/10/2019	12
Integrity pledge	28/10/2019	28/10/2019	10
Celebration of Ruby Jubilee of the department	30/10/2019	31/10/2019	110
Global Bio India 2019	21/11/2019	23/11/2019	6
IPR Workshop	18/12/2019	18/12/2019	60
Anti Corruption pledge	19/12/2019	19/12/2019	80
Dr Irene Lalruatkimi conducted one day workshop on Fake News Checking with students of Mass Communication and IIMC Aizawl	18/02/2020	18/02/2020	50
No file uploaded.			

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

1. Planting of trees/flowers on a regular basis. 2. Use of single use plastics have been banned in the university campus. 3. Initiatives have been taken to reduce land slips and soil erosion in the campus. 4. Bio-diversity is maintained to a greater extent by protecting the indigenous animals, plants etc. 5. Swachh Bharat mission is greatly implemented in the campus. 6. Campus is fully tobacco free. 7. Celebration of World Forestry Day, World Environment Day, Teachers Day, Earth Day etc. 8. Rain water harvesting is greatly implemented. About 70 water consumption within the campus is from the harvested water. 9. Proper solid waste disposal system is in place. Segregation of biodegradable and non-degradable waste is undertaken. 10. Wastewater treatment is in place. 11. Solar energy is greatly utilized as a source of energy. The power supply through solar energy is almost 30 within the campus. 12. Biological chemical waste disposal system is in place. 13. Common transport is provided to reduce greenhouse gases.

7.2 – Best Practices

7.2.1 – Describe at least two institutional best practices

1. Since 2011, an annual Voluntary Blood Donation camp for MZU Fraternity has been organized by Red Ribbon Club (RRC) and National Service Scheme (NSS), in collaboration with the Health Family Welfare Department, Government of Mizoram and Association for Voluntary Blood Donation Mizoram Chapter. Cash prize for Best Doner Department and Best participating Department has been found to increase the number of blood donors and a healthy competition between departments to compete for the "Best Doner department and Best participating department. 2. Annual observation of International, National and State days by the University 1) World Environment Day 2) World Forestry Day 3) World Science Day 4) World AIDS Day 5) World Mental Health Day 6) Swachita Diwas 7) Swatch Bharat 8) Swahhta Pakhweda 9) Green Mizoram The practice of observation and implementation of Schemes, International, National and State Day has brought awareness and motivated the MZU fraternity to take concrete steps in

implementation by organizing different activities to promote and take action on issues and challenges. -100 kw, i.e. 3 of total energy requirement of University (3MW) is provided by solar energy. - Plastic free campus drive initiated in 2018, with 'Bring your own bottle program', is being carried forward. - Cleanliness drive providing dustbins, construction of urinals/ toilets, public water tanks in the campus and identified model villages. - Awareness programs on protection of flora fauna - Tree planting drives in the campus and identified model villages - Established functioning University Counseling cell for the University fraternity with qualified counselors. - An active and functioning Women's Centre.

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

<https://mzu.edu.in/igac/>

7.3 – Institutional Distinctiveness

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

1. In keeping with priority for the preservation of Mizo culture embedded within which is the spirit and act of helping and giving, "Tlawmngaihna", is reflected by the peaceful ambience and environment of the University. The issues and challenges faced by the University on many fronts have always been met and addressed with the sense of ownership and community participation. This is one of the distinct and unique features of Mizoram University. Among the many issues and challenges faced and addressed as a united community is the coming together and working side by side, of the University Fraternity, during the COVID 19 pandemic. The community spirit of MZU was once again manifested as, A University Task Force was set up with volunteers from the fraternity to address all the issues and challenges faced by the community due to the pandemic. 2. The University is distinct for its record of peaceful and fair elections for different bodies with no State/ National political issues. No official record of strikes/ dharnas by the fraternity on any issue. Due to the COVID 19, The Students Council elections could not be conducted, the next in line Office Bearers of the students Council took office, as per the University Ordinance regarding elections, wherein next in line Office bearers can be promoted to posts vacant, without any issues in a peaceful manner.

Provide the weblink of the institution

<https://mzu.edu.in/>

8.Future Plans of Actions for Next Academic Year

Due to the COVID 19 pandemic most of the plans for 2019 -2020 could not be implemented on ground, however, some of the planned activities were conducted online as far as possible. Enhancement of the ongoing two best practices are planned for the next academic year to be more comprehensive and inclusive in the next academic year: Also new initiatives are planned in the following: 1. Blood Donation Camp: a) Organizing Awareness Programmes on Blood Donation for Students, Faculty and Staff in batches before organizing the annual Blood donation camp for more participation and inclusion. b)Preparation and distribution of IEC materials (pamphlets and leaflets) for information and motivation on Blood donation and also for awareness and prevention of HIV/AIDS 2. Observation of World Mental Health Day, Environment Day, Science Day etc. The ongoing observation of days for selected issues within the University will be transferred to communities in the periphery of the University. a) Adoption of 2/3 villages in the periphery of the University for conduction of Mental Health Awareness and address local problems and issues where needed b) Adoption of 2/3 villages in the periphery of the University for skill development and entrepreneurship ventures. c) Environment

issues and challenges to be addressed in Campus. 3. Strengthen the existing Women Centre and plan more activities on Gender Equity programs to promote Beti Bacchao program for empowerment of women and girl child. 4. Set up and take measures for sustainable and inclusiveness, more stringent monitoring and evaluation protocols for compliance and adherence of all the programs and Schemes like Environment protection, Gender equity and Mental Health.