Yearly Status Report - 2019-2020

Part A	
Data of the Institution	
1. Name of the Institution	**GOVERNMENT ZIRTIRI RESIDENTIAL SCIENCE COLLEGE**
Name of the head of the Institution	**Professor B Zoliana**
Designation	**Principal**
Does the Institution function from own campus	**Yes**
Phone no/Alternate Phone no.	**03892305848**
Mobile no.	**9436140347**
Registered Email	**contact@gzrsc.edu.in**
Alternate Email	**iqac@gzrsc.edu.in**
Address	**Ramthar Veng**
City/Town	**Aizawl**
State/UT	**Mizoram**
Pincode	**796007**

2. Institutional Status

Affiliated / Constituent	**Affiliated**
Type of Institution	**Co-education**
Location	**Urban**
Financial Status	**state**
Name of the IQAC co-ordinator/Director	**Lalrinsangi Nghinglova**
Phone no/Alternate Phone no.	**03892305848**
Mobile no.	**9436143838**
Registered Email	**masangi777@gmail.com**
Alternate Email	**iqac@gzrsc.edu.in**

3. Website Address

Web-link of the AQAR: (Previous Academic Year)	https://www.gzrsc.edu.in/iqac/iqac-reports

4. Whether Academic Calendar prepared during the year

4. Whether Academic Calendar prepared during the year	**Yes**
if yes,whether it is uploaded in the institutional website: Weblink :	https://www.gzrsc.edu.in/iqac/calenders

5. Accrediation Details

Cycle	Grade	CGPA	Year of Accrediation	Validity	
				Period From	Period To
1	**B**	**2.22**	**2009**	**29-Jan-2009**	**28-Jan-2014**
2	**B**	**2.75**	**2016**	**25-May-2016**	**24-May-2021**

6. Date of Establishment of IQAC

6. Date of Establishment of IQAC	**13-May-2011**

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

Mentor-mentee Group Meet	29-Aug-2019 1	638
Parent-teacher Meet	29-Aug-2019 1	280
Mentor- Mentee meet (introductory)	25-Jul-2019 1	638
Library orientation for freshers	03-Jul-2020 1	280
Faculty development program	01-Jul-2020 1	56
Feedback from students	04-Feb-2020 1	638
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8. Provide the list of funds 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
Institution	Construction, Renovation and Purchased	RUSA	2019 365	15000000
Institution	Equity Initiative	RUSA	2019 365	638889
Institution	Salary, etc	State Government	2019 365	120746000
Institution	General Development Assiatance 3rd Instalment	UGC	2020 365	1644000
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9. Whether composition of IQAC as per latest NAAC guidelines:	**Yes**
Upload latest notification of formation of IQAC	View File
10. Number of IQAC meetings held during the year :	**8**
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	**No**

during the year?

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

Preparation of Academic calendar

Selection and award of Best Department

Preparation and Publication of College Yearbook with ISBN marking

Monitoring, supervision of sub-committees and organisation of seminars/workshops in collaboration with sub-committees

Conduct of programs such as PD,CCC and Interface meeting with Parents ,collection of feedback and mentoring of students.

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

Plan of Action	Achivements/Outcomes
Preparation of Academic calendar	courses and events were completed within stipulated time frame
Collection of feedback from stake-holders	improvement in teaching and management
Selection and award of Best Department	Created healthy competition among Departments for quality enhancement
Collaboration with industries and institutions	MOU for academic ventures were signed
Launching of Career clinic	Catered to the need of students in making career decisions
Preparation and Publication of College Yearbook with ISBN marking	Ensure proper documentation of events in a reliable format
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14. Whether AQAR was placed before statutory body ?	Yes

Name of Statutory Body	Meeting Date
IQAC	17-Sep-2020

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	**23-Jan-2020**
17. Does the Institution have Management Information System ?	**Yes**
If yes, give a brief descripiton and a list of modules currently operational (maximum 500 words)	**Management Information Sysytem The college functions on partial management Information system. Steps are being taken to operate a fully functional Management Information system by engaging our alumni members who have gained expertise on development of MIS. At present Monthly Departmental Report is submitted to the Iqac Via email. The IQAC compiles and analyses the reports and place them in front of the general Body for its reflection. Subcommittee reports are also collected via email and analyzed , compiled and placed before General Body meetings and meetings of subcommittees . Mentoring report is submitted regularly within each semester. The mentoring system is a comprehensive and effective means of obtaining information regarding students. All Information regarding students, their academic performance, their attendance, their financial problems if any, their grievances are collected through the mentoring system. Redressal of their complaints are made by concerned subcommittees accordingly. The annual report of the departments, the subcommittees, the mentoring report are compiled and published in a yearbook with ISBN marking. The soft copy is made available on the website. Internal marks and assessment are submitted to the examination cell which compiles and uploads them to the University (MZU) portal. The annual academic and administrative report is audited by the internal AAA committee constituted by the IQAC. The website is the main source of disseminating important decision made by different committees. Moodle has been used to develop learning management system. (https://gzrsc.edu.in/lms/)**

CRITERION I – CURRICULAR ASPECTS

1.1 – Curriculum Planning and Implementation

1.1.1 – Institution has the mechanism for well planned curriculum delivery and documentation. Explain in 500 words

The Curriculum followed by the college is designed and planned by Mizoram University to which the college is affiliated. Faculty members of the college are actively involved curriculum design by virtue of their membership in core committees for syllabus making and revision. The university revises the syllabus from time to time to cater to the needs of the students. The Curriculum thus designed and adopted is incorporated by the institution. The college has developed a structured and effective system for implementation of the Curriculum. The Various means through which the institute executes it's curriculum are: ACADEMIC CALENDAR The IQAC prepares the Academic Calendar at the beginning of each semester to ensure timely delivery of curriculum to the students. The prepared calendar is tabled at the first General Body meeting for its endorsement. All stakeholders including the teachers and students are properly notified by placing the Academic calendar at prominent places in the college as well as uploading the same on the college website.The Calendar serves as an important guideline to teachers who are expected to complete the syllabus within the stipulated time specified in the calendar. All other events to be conducted including monthly tests, internal examinations, seminars, sports etc are accommodated within the framework which primarily aims at curriculum delivery. Department Reports and Heads of department Meeting : Concerned departments maintain log books to ensure full coverage of the syllabus within a specific time frame. A common lesson plan and teaching report format is being developed by the IQAC for the next academic session. All departments follow the academic calendar prepared by the IQAC for conduct of internal tests and assignments. Each department holds monthly meetings to ensure timely and effective delivery of the curriculum. Monthly reports are then submitted to IQAC which analysis the progress made by each department. Regular submission of monthly departmental report is one of the criteria for choosing the BEST DEPARTMENT which is a practice introduced by the IQAC from 2017-18. Mentoring System :The college follows a mentoring system whereby the progress of individual students are monitored. The system provides interface meetings with students whereby individual problems as well as institutional lacking is identified. The IQAC has been taking up the task of grouping the students into groups and assigning the groups to all department who in turn appoints Mentors for all groups of mentees assigned to them by the IQAC. Guildelines for mentoring are issued to all departments.For certain subjects where syllabus may not be effectively covered, remedial classes and extra classes are conducted. Efforts will be made to start LMS. In the rare event that courses are not completed in time due to unforseen circumstances,provisions have been made to disseminate important study materials through whatsapp groups.

1.1.2 – Certificate/ Diploma Courses introduced during the academic year

Certificate	Diploma Courses	Dates of Introduction	Duration	Focus on employ ability/entrepreneurship	Skill Development
Course on Computer Concept-Phase 1	NIL	01/08/2019	1	mandatory for entry into government services	Computer skills

Course on computer Concept- Phase 2	NIL	03/02/2020	1	Mandatory for entry into government service	Computer skills
Java Programming	NIL	15/01/2020	2	Advance IT Knowledge	Programmer Skills

1.2 – Academic Flexibility

1.2.1 – New programmes/courses introduced during the academic year

Programme/Course	Programme Specialization	Dates of Introduction
BCA	Java Programming	15/01/2020
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1.2.2 – Programmes in which Choice Based Credit System (CBCS)/Elective course system implemented at the affiliated Colleges (if applicable) during the academic year.

Name of programmes adopting CBCS	Programme Specialization	Date of implementation of CBCS/Elective Course System
BSc	Mathematics	01/07/2019
BSc	Botany	01/07/2019
BSc	zoology	01/07/2019
BSc	Chemistry	01/07/2019
BSc	Physics	01/07/2019
BSc	Biochemistry	01/07/2019
BSc	Electronics	01/07/2019
BSc	Geology	01/07/2019
BSc	Home Science	01/07/2019
BCA	Computer Science	01/07/2019
BSc	English	01/07/2019

1.2.3 – Students enrolled in Certificate/ Diploma Courses introduced during the year

	Certificate	Diploma Course
Number of Students	125	Nil

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
Personality Development course	19/06/2020	121
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1.3.2 – Field Projects / Internships under taken during the year

Project/Programme Title	Programme Specialization	No. of students enrolled for Field Projects / Internships
BSc	Life Science- Study Tour at Kolkatta	40
BCA	Study Tour at Kolkatta	10

BSc	Home Science-Study trip/outreach Programme-Observation of a Pre-School Centre	10
BSc	Home Science-Study trip- Visit and Observation of Patients at Synod Hospital, Durtlang	10
BSc	Home Science-Study tour/field trip was conducted to visit Silchar	10
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1.4 – Feedback System

1.4.1 – Whether structured feedback received from all the stakeholders.

Students	Yes
Teachers	Yes
Employers	No
Alumni	Yes
Parents	Yes

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

Feedback Obtained
Feedback 2019-2020 Due to Covid-19 pandemic feedback for students in the even semester was collected from students through the mentoring system.A common format was prepared by the IQAC,enquiring about the physical and mental condition of students,whether they faced any educational,financial or safety issues.From the feedback collected the general impression that can be recorded are.Most of the students are staying at home safely with their parents except for a handful of students who are staying with relatives.Most students did not face any mental,physical or financial issue.Students who reported financial issues were given financial assistance by the college through Student support Committee. Some students found it hard to concentrate on studies.They were advised to contact college helpline.The mentors also provided counselling through phones.Some students had problems getting access to study materials due to network problems. Google classrooms were conducted for most students. Students expressed their satisfaction at the college for offering tutorials for the courses as well as for the online examinations. Teachers feedback was collected anonymously via google form.55 responses were received.Majority totally agreed that the management is highly supportive and that there is no discrimination on any ground. Majority of teachers agreed they are allowed to voice their opinion on important matters and are very satisfied with pay,perks and job timing as well as the curriculum.They all agree that they share good relations with their colleagues and students and derive job satisfaction.About a handful of teachers believe there is discrimination between regular and contract teachers and that sufficient training on pedagogy needs to be provided.Most teachers believe the college needs better infrastructure.Among the suggestions received,most teachers expresssed their desire for better infrastructure and library facilities, more training on IT and life skills for teachers. Parents-teacher meet was conducted 29.8.2019. After acquainting the parents with college and university rules regarding examinations etc oral

feedback was collected from parents and recorded.Most of the teachers expressed their appreciation for the mentoring system.There was a suggestion that parents be included in whatsapp group for Mentees.Other queries were answered by the college authority. Alumni Feedback was collected via google form and 86 responses were received.All the alumni agreed thet are proud to be associated with the college as an alumni.They believe the college is making steady progess and that it is dedicated to all-round development of its students.The students agreed that the teaching faculty is approachable and that the college management is helpful. Insuffucient as it were, the alumni believe the infrastructure has been utilised adequately.They agree that the institute is concerned about its alumni.They have made good use of what they have learnt in college and are willing to do their best for the college.In the comments section someone has expressed how the college has moulded third divisioner from school moulded into a topper and gold medalist in university. They have expressed that the college has built their career and have inspired them to think differently. Feedback collected has been analysed,recorded and acted upon by the IQAC and the college management for quality enhancement.

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
BSc	Physics	135	80	66
BSc	Chemistry	90	85	68
BSc	Mathematics	100	95	89
BSc	Botany	225	200	110
BSc	Zoology	195	160	143
BSc	Geology	90	40	29
BSc Nutrition	Home Science	75	60	55
BCA	Bachelor of Computer Application	180	77	77

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2.2 – Catering to Student Diversity

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

Year	Number of students enrolled in the institution (UG)	Number of students enrolled in the institution (PG)	Number of fulltime teachers available in the institution teaching only UG courses	Number of fulltime teachers available in the institution teaching only PG courses	Number of teachers teaching both UG and PG courses
2019	638	Nill	64	Nill	Nill

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-	ICT Tools and resources available	Number of ICT enabled Classrooms	Numberof smart classrooms	E-resources and techniques used

Resources)					
64	60	30	17	17	6

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

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

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

1.Title of the practice: Mentoring System 2.Goal: i)To provide more contact hours between teachers and students. ii)To maintain proper academic and attendance record of students. iii)To minimise dropout rates among students. Iv) To identify slow learners and advanced learners. 3.The context The institute has followed the suggestion made by the QAC cum CDO, Higher Technical education to introduce the mentoring system. The institute felt the importance of integrating such a system into the college management system. It had promptly and effectively put it into practice in the past two years. With a wide variation in the student population with regard to educational and economic background, the system promises to provide a better understanding of individual students and bring out their highest potential. It also appears to be the most effective method/weapon for mitigating cases of dropout students. 4.The Practice The IQAC had taken the initiative to implement this system. Every year the names of all students are collected and arranged according to their subject choice. They are divided into groups of 1015 students depending on the number of students. Each group is assigned a teacher/mentor who is responsible for collecting academic performance and class attendance of individual students. The teacher/mentor is given necessary information regarding his/her mentees and is expected to offer guidance and counseling as and when required. In isolated cases parents are called for special meetings with the Principal at the suggestion of the mentor. 5.Evidence of success Though the system has only been implemented in the last few years, significant improvement in the teacherstudent relationship can be seen. The system has been useful in identifying slow learners and advanced learners. Based on the requirement deduced through a careful examination of each mentor's report, the institute organizes a remedial class on different subjects within the syllabus for poor/slow learners. The remedial classes have become systematized after the implementation of this system. NEEDBASED remedial classes have proved to be beneficial to the students in particular and the entire college in general. There appears to be a lesser number of dropouts since mentors can intervene before a student falls short of attendance or has been regularly abstaining from classes. 6.Problems encountered and resources required The division of students into group proves to be a tedious exercise with some students opting for other courses now and then. Due to time constraint the teacher /mentor is unable to have sufficient time with the mentees Most of our students are reserved and some are too complacent to come out with their problems thus limiting the mentors capacity to render help. The system does not incur much expenditure. It only requires utmost commitment from teacher/mentor.

Number of students enrolled in the institution	Number of fulltime teachers	Mentor : Mentee Ratio
638	64	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
63	49	14	2	20

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. C Lalmuankimi, MISTIC, DST, Government of Mizoram	Assistant Professor	Outstanding achievement (PhD) in the field of Geological sciences by MISTIC, DST, Govt. of India

2020	Fanai Lalsangluaii	Assistant Professor	Outstanding achievement (PhD) in the field of Horticulture, Aromatic and Medicinal Plants by MISTIC, DST, Govt. of India
2020	Rebecca Vanlalsangi	Assistant Professor	Outstanding achievement (PhD) in the field of Biotechnology by MISTIC, DST, Govt. of India
2020	Lalzahawmi Chenkual	Associate Professor	Outstanding achievement (PhD) in the field of Environmental Science by MISTIC, DST, Govt. of India
2020	R Lalawmpuii	Assistant Professor	Outstanding achievement (PhD) in the field of Mathematics by MISTIC, DST, Govt. of India
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2.5 – Evaluation Process and Reforms

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

Programme Name	Programme Code	Semester/ year	Last date of the last semester-end/ year-end examination	Date of declaration of results of semester-end/ year- end examination
BSc	Botany	6th Semeste	17/09/2020	19/10/2020
BSc	Zoology	6th Semeste	17/09/2020	19/10/2020
BSc	Chemistry	6th Semeste	17/09/2020	19/10/2020
BSc	Physics	6th Semeste	17/09/2020	19/10/2020
BSc	Mathematics	6th Semeste	17/09/2020	19/10/2020
BSc	Geology	6th Semester	17/09/2020	19/10/2020
BSc	Home Science	6th Semester	21/09/2020	19/10/2020
BCA	Bachelor of Computer Application	6th Semester	01/09/2020	20/10/2020
[View File](#)				

2.5.2 – Reforms initiated on Continuous Internal Evaluation(CIE) system at the institutional level (250 words)

Continuous Internal Evaluation is carried out by each department according to the academic Calendar prepared by the IQAC. All entries made by each department is submitted to the examination committee which in turn submits the compiled

marks to the university through Online mode.The initiatives taken by the examination committee may be summarized as follows 1. It has conducted internal practical exams and end semester exams 2.The committee has taken up the task of saving and compiling all cumulative internal marks in theory and practical. 3,All compiled marks have been uploaded to the university portal 4.Allotment of seating arrangements for specific students by marking students roll numbers on the seat allotted has been initiated for both internal and external examinations. 5.New format for answer papers has been initiated which is more student friendly. 6.Due to Covid -19 arrangement for online internal assessment has been made in accordance with University guidelines 7.Due to Covid-19 arrangements for onlineoffline examination for final year students is being arranged by the examination committee.

2.5.3 – Academic calendar prepared and adhered for conduct of Examination and other related matters (250 words)

The IQAC prepares the Academic Calendar at the beginning of each semester to ensure timely delivery of curriculum to the students, conduct of internal examinations and events. The prepared calendar is tabled at the first General Body meeting for its endorsement. All stakeholders including the teachers and students are properly notified by placing the Academic calendar at prominent places in the college as well as uploading the same on the college website. All events are conducted according to the schedule worked out by the IQAC and displayed on the academic Calendar.The Calendar serves as an important guideline to teachers who are expected to complete the syllabus within the stipulated time specified in the calendar. The examination cell conducts internal examinations according to the academic calendar and disseminates results through mentors, whatsapp and notice Boards. 2.6 – Student Performance and Learning Outcomes 2.6.1 – Program outcomes, program specific outcomes and course outcomes for all programs offered

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://gzrsc.edu.in/students/results

2.6.2 – Pass percentage of students

Programme Code	Programme Name	Programme Specialization	Number of students appeared in the final year examination	Number of students passed in final year examination	Pass Percentage
1	BCA	Bachelor of Computer Application	26	16	73.07
2	BSc	Home Science	9	8	88.89
3	BSc	Geology	10	4	40
4	BSc	Mathematics	17	9	52.94
5	BSc	Physics	15	4	26.66
6	BSc	Chemistry	17	13	76.47
7	BSc	Zoology	43	34	79.06
8	BSc	Botany	27	25	92.59

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2.7 – Student Satisfaction Survey

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

CRITERION III – RESEARCH, INNOVATIONS AND EXTENSION

3.1 – Resource Mobilization for Research

3.1.1 – 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
Minor Projects	4	Department of Science Technology, Government of Mizoram	1.8	1.8
Major Projects	5	DAE-BRNS	35	35
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3.2 – Innovation Ecosystem

3.2.1 – 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
Workshop on Copyright	IPR Committee, GZRSC and MISTIC, Dept. of Science Technology, Govt. of Mizoram	16/10/2019
Workshop On Plagiarism	IPR Committee, GZRSC and MISTIC, Dept. of Science Technology, Govt. of Mizoram	17/10/2019
Study Tour at Kolkatta	Life Science and Computer Science	07/01/2020
Study trip/outreach Programme-Observation of a Pre-School Centre	Home Science	09/08/2019
Visit to Motherless Baby's Home	Home Science	13/08/2019
Visit to Ephatha Special School at Vaivakawn	Home Science	26/08/2019
Study trip- Visit and Observation of Patients at Synod Hospital, Durtlang	Home Science	18/09/2019
Study tour/field trip was conducted to visit Silchar	Home Science	10/10/2019

3.2.2 – 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
outstanding achievement (PhD) in the field of Geological sciences	C Lalmuankimi	MISTIC, DST, Government of Mizoram	28/02/2020	outstanding achievement (PhD) in the field of Geological sciences
Observance of World Ozone Day cum Debate on Ozone Healing	C. Lalramthar nghaki	Eco-Club GZRSC and Mizoram ENVIS Hub, Mizoram State Pollution Control Board	16/09/2019	Observance of World Ozone Day cum Debate on Ozone Healing
Observance of World Ozone Day cum Debate on Ozone Healing	Cindy Lalduhawmi	Eco-Club GZRSC and Mizoram ENVIS Hub, Mizoram State Pollution Control Board	16/09/2019	Observance of World Ozone Day cum Debate on Ozone Healing
Observance of World Ozone Day cum Debate on Ozone Healing	Lalremsanga	Eco-Club GZRSC and Mizoram ENVIS Hub, Mizoram State Pollution Control Board	16/09/2019	Observance of World Ozone Day cum Debate on Ozone Healing
outstanding achievement (PhD) in the field of Biotechnology	Rebecca Vanlalsangi	MISTIC, DST, Government of Mizoram	28/02/2020	outstanding achievement (PhD) in the field of Biotechnology
outstanding achievement (PhD) in the field of Horticulture, Aromatic and medicinal plants	Fanai Lalsangluaii	MISTIC, DST, Government of Mizoram	28/02/2020	outstanding achievement (PhD) in the field of Horticulture, Aromatic and medicinal plants
outstanding achievement (PhD) in the field of Environmental Science	Lalzahawmi Chenkual	MISTIC, DST, Government of Mizoram	28/02/2020	outstanding achievement (PhD) in the field of Environmental Science
outstanding achievement (PhD) in the field of Mathematics	R Lalawmpuii	MISTIC, DST, Government of Mizoram	28/02/2020	outstanding achievement (PhD) in the field of Mathematics
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3.2.3 – 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
1	Germplasm collection and conservation Centre	Department of Horticulture	Cultivation of medicinal plants	wild medicinal plants were collected from different parts of the state for the purpose of its ex situ conservation and research purpose.	01/06/2020
1	Automatic Hand sanitizer Dispenser Machine	IQAC and Innovation Club,GZRSC	Automatic Handsanitizer dispenser	Designing of low cost automatic ha ndsanitizer dispenser to combat Covid 19 pandemic	07/06/2020

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3.3 – Research Publications and Awards

3.3.1 – Incentive to the teachers who receive recognition/awards

State	National	International
1000	2000	3000

3.3.2 – Ph. Ds awarded during the year (applicable for PG College, Research Center)

Name of the Department	Number of PhD's Awarded
Geology	2
Physics	1

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

Type	Department	Number of Publication	Average Impact Factor (if any)
National	English	1	2
International	Geology	2	2
International	Physics	4	2
International	Home Science	1	2
International	Computer Science	6	2
International	Mahthematics	2	2
National	Physics	1	2
National	Geology	4	2
National	Mathematics	1	2
National	Computer Science	1	2

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

Department	Number of Publication
Magazine	1
IQAC	1
Computer Science	9

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3.3.5 – 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
Landslide hazard zonation along World bank road within Aibawk block, Mizoram, India using Geospatial technique	Laltlankima	International Journal	2020	0	Govt. Zirtiri Residential Science College	Nill
Geological investigation for landslide management : Keifang quarry area , Mizoram	Laltlankima	Journal of Emerging Technologies and Innovative Research June, 2020, Issue 6, ISSN: 2349-5162, UGC approved journal no 63975	2020	0	Govt. Zirtiri Residential Science College	Nill
Determination of Radon Mass Exhalation Rate in the Region of Highest Lung Cancer	Dr. Lawrence Zonunmawia Chhangte	Radiation Environment and Medicine, Vol.8, No.2, 113-117. ISSN :	2019	0	Govt. Zirtiri Residential Science College	Nill

Incidence in India.		2423-9097 (PRINT), 2432-163X (ONLINE)				
Seasonal Variation of Radon Concentration in Water Sources using Smart RnDuo.	Dr. Lawrence Zonunmawia Chhangte	International Journal for Research in Applied Science Engineering Technology (IJRASET). Volume 8 Issue VII July 2020, 95-100. 2019	2019	0	Govt. Zirtiri Residential Science College	Nill
Estimation of Radon Mass Exhalation Rate and Radium Content in Soil Samples Collected from Kolasib District of Mizoram, India	Dr. Lawrence Zonunmawia Chhangte	International Journal for Research in Applied Science Engineering Technology (IJRASET). Volume 8 Issue VII July 2020, 793-798. 2019	2019	0	Govt. Zirtiri Residential Science College	Nill
A study on Food taboos that prevails among the tribal women within Aizawl District, Mizoram, India.	Maria Lalhmingmawii	Journal of Emerging Technologies and Innovative Research Vol 7,issue 6,June 2020	2020	0	Govt. Zirtiri Residential Science College	Nill
Analysis of bivariate survival data using shared additive	Dr. R Lalawmpuii	Jordan Journal of Mathematics and Statistics (JJMS) 2019	2019	0	Govt. Zirtiri Residential Science College	Nill

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
A Comparative Study between Data Mining Classification and Ensemble Techniques for Predicting Survivability of Breast Cancer Patients	M.S.Dawngliani	International Journal of Computer Science and Mobile Computing September 2019, ISSN 2320-088X	2019	0	Govt. Zirtiri Residential Science College	Nill
Prediction of Breast Cancer Recurrence Using Ensemble Machine Learning Classifiers.	M.S.Dawngliani	Advances in Intelligent Systems and Computing" (AISC) by Springers April 2020, ISBN: 978-3-030-46828-6	2020	0	Govt. Zirtiri Residential Science College	Nill
Comparison of Decision Tree-based Learning Algorithms using Breast Cancer Data.	M.S.Dawngliani	Lecture Notes on Data Engineering and Communications Technologies by Springer Publication March 2020, ISBN: 978-3-030-43191-4	2020	0	Govt. Zirtiri Residential Science College	Nill
[View File](#)						

3.3.6 – 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
Nill	Nill	Nill	2020	Nill	Nill	Nill

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

Number of Faculty	International	National	State	Local
Attended/Seminars/Workshops	101	252	98	94
Presented papers	6	1	Nill	Nill
Resource persons	2	Nill	Nill	3

View File

3.4 – Extension Activities

3.4.1 – 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
Renovation and beautification of Sihhmui Plantation	NSS	4	20
Mass Cleanliness Drive	NSS	6	437
Life skill and personality development	NSS	5	Nill
Self Defence Training for women volunteers	NSS	4	32
Celebration of NSS Foundation Day	NSS	3	17
Observation of Nutrition month (Poshan Abhiyaan)	NSS	6	80
Cleanliness Campaign at College campus	NSS	6	500
Visit to Motherless Babies Home, Tuikual S	NSS	6	9
Observation of Green Mizoram programme	NSS, Eco Club	5	72
Orientation programme	NSS	6	260

View File

3.4.2 – 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
Preparation of Hand Sanitizer	Exemplary work and dedication in serving the community	Member, Mizoram Legislative Assembly	10
Free Computer Clinic	towards Community Service	Local Council, Ramthar	21
Stitching Face Mask for Healh Worker	Community Service	Director, Disaster Management and Rehabilitation, Govt. of Mizoram	8

View File

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

Name of the scheme	Organising unit/Agency/collaborating agency	Name of the activity	Number of teachers participated in such activites	Number of students participated in such activites
Safe Environment	Eco-Club, GZRSC	Awareness campaign on Plastic free City	5	100
Safe Environment	Eco-Club, GZRSC	Single Use Plastic Free Drive	6	100
Safe Environment	Eco-Club, GZRSC	World Ozone Day	6	400
Gender Issue	NSS	Training on self-defense	4	70
Gender Issue	Home Science	Protection of women from Domestic Violence	4	70
Swachh Bharat	NSS, Cleanliness Committee	Cleanliness Campaign 2019	6	500
Swachh Bharat	NSS unit	Mass Cleanliness Drive	6	437

View File

3.5 – Collaborations

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

Nature of activity	Participant	Source of financial support	Duration
Faculty Exchange	Laldingliana Sailo	Hrangbana College	2
Faculty Exchange	Vanlallura	Hrangbana College	2

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

Nature of linkage	Title of the linkage	Name of the partnering institution/ industry /research lab with contact details	Duration From	Duration To	Participant
Guiding Ph .D.students	4 Research students were utilising the Environment Radiation Monitoring Laboratory of the College and were registered as Ph.D. (Physics) students under Mizoram University, having Joint Supervisorsh ip from the College .	Department of Physics, Mizoram University, Aizawl	01/07/2019	30/06/2020	4
Indian Env ironmental Radiation Monitoring Network (IER MON)Centre	Setting up of solar powered Envi ronmental Radiation Monitor (ERM) for keeping an eye on radiation level in the environment, round the clock.	Environmen tal Assessment Division of Bhabha Atomic Research Centre, Mumbai	01/07/2019	30/06/2020	20
Collaborat ive Research Project	Online monitoring of radon exhalation in College Campus of Govt. Zirtiri Residential Science College.	Radiological Physics Advisory Division, BARC Mumbai	01/07/2019	30/06/2020	20
Collaborat	Online		01/07/2019	30/06/2020	20

ive Research Project	monitoring of radon exhalation and modelling in fault regions of Aizawl and Kolasib districts of Northern Mizoram.	Radiological Physics Advisory Division, BARC Mumbai			
Collaborative Research Project	A comprehensive study of natural radio-nuclides like 238U, 226Ra, 222Rn in various matrices available in Mizoram	Radiological Physics Advisory Division, BARC Mumbai	01/07/2019	30/06/2020	20
Online Training	Spoken Tutorial	IIT Mumbai	01/07/2019	30/06/2020	23
Certification Course	CCC	NIELIT, Aizawl	01/07/2019	30/06/2020	70
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3.5.3 – 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
Zonun Mat Ply Ltd	10/07/2019	Academic and Scientific Cooperation	50
Dr. C.V.Raman University	01/09/2019	Academic and Research Facilities	60
[View File](#)			

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
180	124

4.1.2 – Details of augmentation in infrastructure facilities during the year

Facilities	Existing or Newly Added
Class rooms	Newly Added
Class rooms	Existing
[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
SOUL	Fully	2.0	2012

4.2.2 – Library Services

Library Service Type	Existing		Newly Added		Total	
Text Books	12783	5113200	Nill	Nill	12783	5113200
Journals	4	4080	Nill	Nill	4	4080

View File

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

Name of the Teacher	Name of the Module	Platform on which module is developed	Date of launching e-content
Mary Lalthansangi	Botany	You-Tube Tutorial Video	04/05/2020
Lalrinpuii Rokhum	English	You-Tube Tutorial Video	04/05/2020
Dr. MS Dawngliani	BCA	You-Tube Tutorial Video	30/04/2020
S Thangrimawii	Zoology	You-Tube Tutorial Video	04/05/2020
Rebecca Vanlalsangi	Bio Chemistry	You-Tube Tutorial Video	03/05/2020
Lalrinmawia	Zoology	You-Tube Tutorial Video	03/05/2020
Dr. Lalhmangaihzuala	Mathematics	You-Tube Tutorial Video	21/04/2020
Thangkhanhau	BCA	You-Tube Tutorial Video, Moodle Initiation	25/03/2020
Dr. C Lalremruatfela	Geology	You-Tube Tutorial Video	12/04/2020

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4.3 – IT Infrastructure

4.3.1 – Technology Upgradation (overall)

Type	Total Computers	Computer Lab	Internet	Browsing centers	Computer Centers	Office	Departments	Available Bandwidth (MBPS/ GBPS)	Others
Existing	75	2	4	2	0	3	11	100	0
Added	7	0	1	0	0	0	0	0	0

| Total | 82 | 2 | 5 | 2 | 0 | 3 | 11 | 100 | 0 |

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

| 500 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
e-Content Development Room	https://www.gzrsc.edu.in/students/video-tutorials

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 incurredon maintenance of physical facilites
6.4	6.4	8	8

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)

The Institute has a well-structured management system whereby physical, academic and support facilities are systematically monitored and maintained. Laboratory: All departments having practical papers are responsible for maintaining their own laboratories and the equipment. Their requirements and suggestions are discussed and recorded in departmental meetings. Laboratory assistants are attached for duty in each laboratory. The science laboratories are utilized for practical papers. Each department is responsible for the submission of requirements for their laboratories. The Language laboratory is maintained by English department. The Language laboratory is utilized by the department for conducting spoken English and oral communication classes. BIO Hub: The bio hub is maintained by the department of Biochemistry. Library: The library and all its infrastructure is maintained by the library staff. Its workings is closely monitored by the library committee which submits its activities to the IQAC regularly. The requirement for the enhancement of library books are submitted to the purchase committee by each department. Sports Complex: In the present campus there is no allotment for sports Complex. However, a new campus is being developed wherein allotment for sports activities has been made by the building committee. At present, the Games and sports Committee looks after the Sports equipment and all matters relating to sports events. Computers and Projectors: The computers and projectors are looked after by the Light and sound committee. They are kept in charge of its maintenance and safekeeping. Additionally the system assistant and faculty members of Computer Science looks after their ICT tools. Repair works are done by them as far as possible. Classrooms and auditorium: The cleanliness of the classroom is maintained by the cleanliness committee and students – in charge who carry out regular inspections. The safety of the furniture and all other equipment are in the hands of the college chowkidar under the supervision of the head assistant.

https://gzrsc.edu.in/administrations/procedures-and-policies-for-maintaining-facilities

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	Distributed endowment Fund	16	165000
Financial Support from Other Sources			
a) National	Umbrella Scheme for Education of ST Children - Post Matric Scholarship for ST Student	480	4800000
b)International	0	Nill	0
View File			

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

Name of the capability enhancement scheme	Date of implemetation	Number of students enrolled	Agencies involved
training on resume writing	06/10/2019	167	Student Support Committee and RUSA
Seminar on Study Abroad	12/09/2019	339	Student Support Committee and RUSA
Career Counselling on Alumni Day	01/08/2019	187	Student Support Committee and RUSA
Online Personality Development	19/06/2020	95	Student Support Committee and RUSA
Language Lab	01/07/2019	280	RUSA
Student Mentoring System	01/07/2019	638	IQAC
Course on Computer Concept	03/08/2020	125	Student Support Committee and RUSA
Remedial Classes	01/08/2019	131	RUSA, GZRSC under Equity Initiatives
Career Clinic	28/08/2019	167	Student Support Committee IQAC
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5.1.3 – Students benefited by guidance for competitive examinations and career counselling offered by the institution during the year

Year	Name of the scheme	Number of benefited students for competitive examination	Number of benefited students by career counseling activities	Number of students who have passedin the comp. exam	Number of studentsp placed
2020	Career Counselling	Nill	Nill	Nill	Nill

2020	Career Clinic	10	50	Nill	Nill

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

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

5.2 – Student Progression

5.2.1 – Details of campus placement during the year

On campus			Off campus		
Nameof organizations visited	Number of students participated	Number of stduents placed	Nameof organizations visited	Number of students participated	Number of stduents placed
nil	Nill	Nill	ZoCareer Solutions	20	3

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

Year	Number of students enrolling into higher education	Programme graduated from	Depratment graduated from	Name of institution joined	Name of programme admitted to
2019	1	BSc	Maths	IGNOU	M.Com
2019	1	BSc	Maths	SCERT	B. Ed (Special education)
2019	1	BSc	Botany	Mizoram University, Aizawl (MZU)	MBA
2019	6	BSc	Botany	Mizoram University, Aizawl (MZU)	M.Sc (Botany)
2019	1	BCA	Computer Science	IGNOU	MA Sociology
2019	1	BCA	Computer Science	Krupanidhi Group of Intitution	MCA
2019	7	BCA	Computer Science (BCA)	NIELIT, Aizawl	MCA
2019	5	BSc	Geology	Mizoram University, Aizawl (MZU)	MSc (Geology)
2019	3	BSc	Physics	Mizoram University, Aizawl (MZU)	Master of Science in Physics
2019	3	BSc Hc	Home	Mizoram	M.Sc(EERD)

	Science	University, Aizawl (MZU)	

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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
CAT	1
NET	1
Any Other	4

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

Activity	Level	Number of Participants
College Week(2nd September – 7th September, 2019) 4	College	638

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5.3 – Student Participation and Activities

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

Year	Name of the award/medal	National/ Internaional	Number of awards for Sports	Number of awards for Cultural	Student ID number	Name of the student
2019	Gold medal in academics(Regional) PVSC C)	National	1	Nill	STSES1180032	Lalrinzuali
2019	Gold Medal in skeet Shooting(Regional)PVSC (male)	National	1	Nill	STSES1180128	P. Rosangpuia
2019	Medal in Skeet Shooting(Regional) PVSC)	National	1	Nill	STSES1180061	Sari Lalzahawmi

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

1. Election of Class Representative was held on 16/7/2019. 2. Election of Student Union Leaders 2019 was conducted on 17/7/2019. 3. College Week 2019 was held during the first Week of September. 4. Appeal was made to the Principal to make sure that all the students wear College T Shirt on Every Tuesday and Thursday. SU Leaders were informed not to participate in any competitions without prior permission from the committee and the Principal 5. As per the decision taken by the Meeting, Incentive Cash Award for meritorious students

was Distributed on 1912/2020. The following awards were distributed: i. Cash award for top scorer in all the streams in all the classes @ 1000/- for 18students (Rs. 18,000/-) ii. Cash award for students who secured SGPA 9 and above, but not top scorer in their respective class. @ Rs. 500 for 7 students. (Rs. 3S00) iii. Special award for 100 attendance @ Rs.500/- for 15 students (Rs.7500) iv. Rs. 1000/- was used for Banner. Thus the total amount used for this programme was Rs. 30,000/- (Thirty thousand) only

5.4 – Alumni Engagement

5.4.1 – Whether the institution has registered Alumni Association?

No

5.4.2 – No. of enrolled Alumni:

80

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

6000

5.4.4 – Meetings/activities organized by Alumni Association :

1. Alumni Day was celebrated successfully on 1st August, 2019 at the College Auditorium. In this Programme, the invited Resource persons gave a talk on Career Guidance, Personality Development and Motivational Speech. 2. The meeting resolved to collect the passed- out student's profile. This task is meant for preparation of the coming NAAC Accreditation as well as maintenance of documents relating to Alumni members. 3. The IQAC, GZRSC requested the alumni committee to feed the data of students who passed out from this college and joining further studies and also getting jobs from 2015 to 2019. The task of collecting students data were done by each member of this sub-committee and submitted to IQAC, GZRSC. 4. Alumni members look after the Alumni page on the college website. 5.Alumni member has been designing the cover of the college yearbook for three consecutive years without any charge.

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)

The institute has adopted an admission procedure which fosters participative management and encourages decentralization of management power. All matters relating to admission are sub-delegated to the admission committee which comprise of all Heads of department with the Principal as the Chairman. The terms of reference for the sub-committee has been formulated by the IQAC and the sub-Committee has to work within the framework with little or no scope for exertion of individual power .The Sub- committee is to implement the already existing rules and is given the power to set new criteria for admission if and when the need arise. The committee also fixes the time for completion of admission procedure. The sub-committee does not work on its own but appoints a screening committee from the teaching faculty, thus practising participative management. Help desks are made available for prospective students. Notice for admission is usually published on local television channels and newspapers. Teachers who are appointed for duty at the help desk give proper guidance to interested applicants and provide them with details of admission procedure and the time allotted for admission interview. Once the applications are received, the sub-committee appoints the screening committee which conducts the interview. The sub-committee prepares the list of successful candidates and

puts it up for display at the college Notice Board. The principal does not admit students without consulting the admission committee Utilization of RUSA Funds : The funds received from RUSA is managed collectively by the RUSA nodal officers headed by the Institutional co-ordinator. The Co-ordinators act in compliance with the guideline of RUSA which earmarks three broad divisions a) Purchase : Purchase committee has been set up to look into requirements of the college. Purchase of requirements is made through after it has gone through the screening of the committee. All heads of department are directed to submit departmental requirements. After consultative meetings are held by each department the requirements are submitted to the Purchase committee which works in coordination with the RUSA co-ordinators. b) Extension, renovation and upgradation: The nodal officers collectively work towards the proper utilization of funds for extension, renovation and upgradation. c) New Construction : The college has a building committee which is responsible for all matters relating to new construction at the new campus and the renovation of the present campus.Funds are utilised in consultation with the building committee. d) All funds received under equity initiatives are utilized as per RUSA guideline. Concerned sub-committees submit their proposal to the Institutional co-ordinator for organization of activities.The nodal officers approves the different activity proposals after careful perusal. Report on activities with documentary proof and expenditure statements are submitted to co-ordinator. Abstract of expenditure as well as reports on events are documented in the yearbook published by the IQAC

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

Partial

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	Admission of Students : Admission matter is managed by the admission committee which consists of the Heads of Department with the Principal as the chairman.The committee implements the existing rule of admission contained in the syllabus and sets new criteria when the need arise. To ensure a fair admission process the committee encourages participative management which involves the appointment of screening from the teaching committee
Industry Interaction / Collaboration	Collaboration has made with Zonunmatply pvt limited and MOU signed. Collaboration has been made with State legal services authority for opening of Legal clinic in the college and an proposal for MOU has been submitted in their office Mou has been signed between the college and department of Physics,Dr Cv Raman University. Collaborations are being made with IIT Bombay for online add on courses and FDP for teachers.
Human Resource Management	Human Resource Management : The management of the teaching staff is

	generally done by the Principal who works in close co-ordination with the Heads of department. All important matters are discussed in the general body meeting . The management of the non- teaching staff is carried out by the Principal and the Head Assistant
Library, ICT and Physical Infrastructure / Instrumentation	Library, ICT and Physical Infrastructure / Instrumentation : The library is manned by the library staff and its workings is supervised by the library committee. The committee guides the librarian in formulating general library policies and regulations. The committee constantly work towards modernization and improvement of the library. At the beginning of every academic session the committee works with the library staff in conducting orientation programmes on library use. The committee adopts measures to promote and enhance reading culture among students . ICT and Physical infrastucture are managed by concerned department with supervision by the system analyst
Research and Development	Research and Development : The institute has a proactive Research and Seminar Committee which endeavours to facilitate research culture among students and faculty. The committee initiates, facilitates, integrates, recommends and supports research projects conducted by faculty members and students. It also organises seminars and lectures on research related topics at regular intervals to motivate students and faculty members.
Examination and Evaluation	Examination and Evaluation: The institute has an examination cell which supervises and ensures smooth conduct of internal as well as university examinations. The cell is responsible for strict implementation of examination rules in accordance with university and college rules and take action against defaulters. Quality initiatives are continually adopted by the cell to harbour a temper of fairness and transparency. Seat allotments are made by the committee to avoid any form of cheating and to ensure fairness. Members of the committee maintain strict vigil during examinations by inspecting examination halls. The cell maintains and records of Marks of internal examinations

	collected from concerned departments so as to avoid manipulation of marks
Teaching and Learning	Teaching and Learning:The institute follows a number of teaching strategies to deliver the curriculum.The lecture method is still widely used pedagogy.However language classes have operated through communicative method.Many teachers have resorted to ICT based classroom teaching.Effective learning is ensured through the mentoring system.
Curriculum Development	Curriculum Development : The institute follows the curriculum designed and approved by Mizoram university to which it is affiliated. The University follows UGC guideline and revises the curriculum from time to time. The college collects feedback from students on the course design and offer suggestions to the university through concerned departments. Many of the teaching faculty are involved in curriculum design by virtue of their membership in core committee for syllabus making, Board of studies, School board, etc. When syllabus is revised, teachers offer their feedback to the concerned authorities

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

E-governace area	Details
Planning and Development	In the process of planning college events,faculty and subcommittee meetings the college uses personal emails as well as whatsapp groups for disseminating information. Important notices and reports are circulated via email and whatsapp groups along with formal notification letters.
Administration	The college makes substantial use of ICT in dissemination of,rules,regulations and all other information to faculty and students. feedback from teachers is given in the online mode.This offers transparency in administration
Finance and Accounts	Payment of salaries and other fund is made through online banking. Fees have been made payable in the online and offline mode during the time of admission.
Student Admission and Support	Online admission has been introduced . ICT is largely used in teaching ,google classrooms and LMS is being

	developed,Alumni are given the opportunity to register themselves online and feedback from alumni is collected through google form
Examination	Internal marks are collected and compiled by each department.They are then submitted to the examination cell which submits the marks to the University Portal within a specified time

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
2020	Dr C Lalmuankimi	UGC-Sponsored Special Summer School	HRDC MZU	1000
2019	Dr R Lalawmpuii	Refresher Course by HRDC MZU	HRDC MZU	1000
2019	Dr Samuel Lallianrawna	Participated in International Level Winter School 2019 for B.Sc Students	PUC	1000
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6.3.2 – Number of professional development / administrative training programmes organized by the College 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	National level short term course on Research M ethodology	NIL	12/08/2019	17/08/2019	60	Nill
2019	Workshop on NAAC awareness	Workshop on NAAC awareness	25/09/2019	25/09/2019	55	5
2020	Internat ional workshop on	NIL	17/01/2020	18/01/2020	64	Nill

						60	20
	tectonic and its implication with special refernce to indo-burma range						
2020	awareness programme on coronovirus-covid 19	awareness programme on coronovirus-covid 19	16/03/2020	16/03/2020			

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

Title of the professional development programme	Number of teachers who attended	From Date	To date	Duration
Personality Development Program	6	19/06/2020	23/06/2020	6
worshop on research proposal	1	12/08/2019	16/08/2019	6
Inter-Institutional Camp on Leadership and Personality Development	1	02/03/2020	06/03/2020	6
Faculty Development Program on Applications of Power Electronics for Renewable Energy and Power Systems	1	23/06/2020	25/06/2020	6
Research Methodology : Tools and Techniques	1	14/06/2020	24/06/2020	6
faculty Development Program on Antenna and Microwave Engineering.	1	08/06/2020	13/06/2020	6

IPR e-Content Development	1	08/06/2020	10/06/2020	6
National Level faculty Development Program on Managing in Difficult Times.	1	04/06/2020	07/06/2020	4
Training on Capacity Building of Leadership and Personality Development through Life Skills	1	02/12/2019	06/12/2019	4
National Level Short Course Training on Research Methodology	56	12/08/2019	17/08/2019	6
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6.3.4 – Faculty and Staff recruitment (no. for permanent recruitment):

Teaching		Non-teaching	
Permanent	Full Time	Permanent	Full Time
47	64	18	18

6.3.5 – Welfare schemes for

Teaching	Non-teaching	Students
Staff Welfare Committee	Staff welfare Committee	Student Support Committee

6.4 – Financial Management and Resource Mobilization

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

The college receives funds from the state government, UGC, RUSA and other funding agencies. It also accrues funds in the form of fees (examination, University affiliation, student funds, etc). Fees collected in the college which are to be remitted to the government treasury and affiliating university are remitted annually as mandated by the government and the university. Student fees like sport, magazine etc are managed by the student union/council and the expenditure so incurred are internally audited by teachers appointed for the purpose during the time of handing over of charge to subsequent student leaders. Government Fund - The fund received from the government are audited by designated government officials from time to time. Other Funds - Other funds received from UGC, RUSA, Research grants are subjected to audit by registered Charter Accountant and Utilization Certificate submitted to the funding agency (S) as per mandate. Funds collected in the form of endowment/Poor fund is collected from faculty members on monthly basis and is distributed to students who require financial assistance by the Student support Committee. The IQAC conducts regular internal audit for the same. Funds received in the form of membership for Staff welfare committee and MCTA Branch is also audited internally. The college also has an audit committee which conducts regular

monitoring of funds to offer transparency in utilization of funds.

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
Lalziki Memorial Fund	50000	award for best performing student in Home Science

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6.4.3 – Total corpus fund generated

61300

6.5 – Internal Quality Assurance System

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

Audit Type	External		Internal	
	Yes/No	Agency	Yes/No	Authority
Academic	Yes	Department of HTE, Government of Mizoram	Yes	IQAC (External Members)
Administrative	Yes	Department of HTE,Government of Mizoram	Yes	IQAC (External Members)

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

Parents attend Parent-Teacher meeting and give suggestions for improvement 2.Parents fill up Feedback forms as and when required. 3.Parents actively participate in the progression of their children by enquiring about them through their mentors 4.If called by teachers or principal for a discussion about a specific child or a specific problem parents have never shied away from their duty

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

1.Encouraged to join course on computer Concept run by the college 2.Encouraged to join training courses organized by other institutes 3.Workshop on NAAC awareness

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

1.Selection of Best Performing department 2.Publication of yearbook 3.Creation of Language education Cell 4.Inauguration of Career Clinic 5.Installation of Moodle as tool for Learning management System

6.5.5 – Internal Quality Assurance System Details

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

6.5.6 – 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	National level training on Research methodology	12/08/2019	12/08/2019	17/08/2019	56
2020	Training on e-content developmet	10/02/2020	10/02/2020	10/02/2020	12
2020	Personality Development	19/06/2020	19/06/2020	23/06/2020	100

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CRITERION VII – INSTITUTIONAL VALUES AND BEST PRACTICES

7.1 – Institutional Values and Social Responsibilities

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

Title of the programme	Period from	Period To	Number of Participants	
			Female	Male
Seminar on protection of women from Domestic violence	09/08/2019	09/08/2019	45	Nill
Self Defense Training For Female Students	24/10/2019	24/10/2019	40	Nill
Seminar on " Women in Science"	28/02/2020	28/02/2020	100	100

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

Percentage of power requirement of the University met by the renewable energy sources
The Institute has installed solar power (10 kva) to meet the requirement of the college in addition to the power received from the mainline and generator

7.1.3 – Differently abled (Divyangjan) friendliness

Item facilities	Yes/No	Number of beneficiaries
Provision for lift	Yes	Nill
Ramp/Rails	Yes	Nill
Rest Rooms	Yes	Nill

7.1.4 – Inclusion and Situatedness

Year	Number of initiatives to address locational advantages and disadvantages	Number of initiatives taken to engage with and contribute to local	Date	Duration	Name of initiative	Issues addressed	Number of participating students and staff

2020	Nill	1	23/03/2020	1	Preparation of Hand sanitizer for local task force	To Combat Covid -19 Pandemic	18
2020	Nill	1	02/04/2020	1	Stitching of face mask for frontline workers	to combat Covid-19 pandemic	10
2020	Nill	1	16/03/2020	1	Preparation of flyers on covid -19	To educate the community on preventive measures against covid-1960	10
2019	Nill	1	24/10/2019	1	computer Clinic	To provide community service and create IT awareness	10

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

Title	Date of publication	Follow up(max 100 words)
Handbook on Professional ethics and code of conduct for teachers and students	16/03/2020	A small booklet has been compiled and published to be distributed to teachers and student leaders for the 2019-2020 session.Lecture on social values and responsibilities have been conducted for students.The content of the handbook will be included in the 2019-20 publication of college yearbook as a separate chapter

7.1.6 – Activities conducted for promotion of universal Values and Ethics

Activity	Duration From	Duration To	Number of participants
Lecture on social Values and	22/06/2020	22/06/2020	85

responsibilities			

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

1.Eco club is working on installation of waste segregation bins ,compost tumbler,paper recycling,chemical waste disposal and rainwater harvesting 2.Indoor plants have been placed to reduce carbon footprint 3.World ozone day observed on 16.7.2019 4.Green Mizoram day observed on 17.7.2019 by planting trees at new Campus 5.Single Use Plastic free drive conducted on 30.7.2019 6.Awareness campaign on Plastic free City conducted on 9.8.2019

7.2 – Best Practices

7.2.1 – Describe at least two institutional best practices

1. TITLE OF THE PRACTICE: PERSONALITY DEVELOPMENT Personality is the sum of the characters that constitute the mental and physical being of a person including appearance, manners, habit, taste, and even moral characters. The personality of a person constantly undergoes a change and it can be developed for the better. Our program seeks to adopt a holistic approach to learning. It works towards building confidence, mental health, image and creativity enhancement. It aims at bringing about positive change in our students who are positioned to face the greater challenges of life as they graduate from the college. It will also equip the students with the essential etiquette, protocol knowledge and refined social skills to enable them to face any social situation with confidence. 2. Goal: i) Develop the skills and potential of students. ii) Facilitate employ-ability and establish careers. iii) To develop the personality of our students and mould them into responsible citizens. 3. Context: The youths of today are under tremendous pressure in order to carve out a niche for survival in life. They are subjected to fierce competitions against their peers not only in academics but also in job hunting and establishing careers. Besides their academic syllabus, it is felt that our students must be given additional training in relevant aspects so designed to widen their outlook and perspectives. Hence, a module for 'Personality Development' is designed for imparting these values, keeping in mind that the programme should be simple to manage, but rich in content. 4. The practice :The outgoing students of all streams undergo a short term course on personality development at the end of their final university examinations. The course usually stretches over a period of two weeks within which different life skills are imparted to the students. The course content ranges from IT for everyday life Basic computer application Interview skills Communication skills Common errors in English Psychological development Basic first aid skill Travelling Traditional values Manners etiquette First Aid skills Time Management Personal grooming Counselling on choice of career in various streams Spoken Hindi Private entrepreneurship Visual communication and Animation Resource Persons are engaged from the teaching Faculty of the college as well as renowned experts from outside the college who are well-known in their chosen fields. The College collaborates with able Faculty from Regional Institute of Paramedical and Nursing Sciences (RIPANS), Aizawl for teaching the basics of First Aid skills. Visits to RIPANS are sometimes conducted to enrich the program. The Student Support Committee organizes the program in collaboration with the IQAC and the program is funded by RUSA 5. Evidence of success : The program met with an astounding response from the outgoing students. Feedback/evaluation mechanism collected from the participants show that the program is well received. More than 90 of the topics were found to be relevant for participants. The course provided them with necessary facilities and tools to face challenges that pertain to the lifestyles and scenario faced by young adults in today's world. Courses that are rated irrelevant are dropped whereas new suggestions made by the students are taken into consideration. The feedback

mechanism is a good indicator that the course is a major success among the students. 6. Problems encountered and resources required: The course is designed to accommodate all outgoing students from three streams science, home science and computer science. Since their university examinations ended on different dates, we faced minor problem in setting a time slot that would be convenient for all streams. Secondly some students from rural areas are unable to attend the course as they often have to go back to their homes as soon as they finish their university examinations. Choosing topics that would benefit all students from all streams and finding the right resource persons proved to be a little challenging. 1. TITLE OF THE PRACTICE: MENTORING SYSTEM 2. Goal: i) To provide more contact hours between teachers and students. ii) To maintain proper academic and attendance record of students. iii) To minimize dropout rates among students. iv) To identify slow learners and advanced learners. 3. The context : The institute has followed the suggestion made by the QAC cum CDO, Higher Technical education to introduce the mentoring system. The institute felt the importance of integrating such a system into the college management system. It had promptly and effectively put it into practice in the past two years. With a wide variation in the student population with regard to educational and economic background, the system promises to provide a better understanding of individual students and bring out their highest potential. It also appears to be the most effective method/weapon for mitigating cases of dropout students. 4. The Practice : The IQAC had taken the initiative to implement this system. Every year the names of all students are collected and arranged according to their subject choice. They are divided into groups of 1015 students depending on the number of students. Each group is assigned a teacher/mentor who is responsible for collecting academic performance and class attendance of individual students. The teacher/mentor is given necessary information regarding his/her mentees and is expected to offer guidance and counselling as and when required. In isolated cases parents are called for special meetings with the Principal at the suggestion of the mentor. 5. Evidence of success:Though the system has only been implemented in the last few years, significant improvement in the teacher student relationship can be seen. The system has been useful in identifying slow learners and advanced learners. Based on the requirement deduced through a careful examination of each mentor's report, the institute organizes a remedial class on different subjects within the syllabus for poor/slow learners. The remedial classes have become systematized after the implementation of this system. NEED-BASED remedial classes have proved to be beneficial to the students in particular and the entire college in general. The system has also been used to identify students who need financial support. The faculty has been contributing towards an endowment fund for students every month. The Corpus fund raised from the collection of such fund is distributed to students who are identified through the mentoring system .There appears to be a lesser number of dropouts since mentors can intervene before a student falls short of attendance or has been regularly abstaining from classes. 6. Problems encountered and resources required The division of students into group proves to be a tedious exercise with some students opting for other courses now and then. Due to time constraint the teacher /mentor is unable to have sufficient time with the mentees Most of our students are reserved and some are too complacent to come out with their problems thus limiting the mentors capacity to render help. The system does not incur much expenditure. It only requires utmost commitment from teacher/mentor. 7. Notes (optional): The IQAC continually strives towards the improvement of the system. Contact hours with the students are ensured by inclusion of Mentor's –Meet in the academic calendar. The system helps in identifying the aims and ambitions of the students according to which career guidance classes are held. Mentoring reports are submitted to the IQAC to ensure that the program is carried out effectively. 1.TITLE OF THE PRACTICE: Extension and Outreach Program 2.Goal : With the motto of the college "Lighted

to Lighten" as our vision the college endeavors to make substantial contribution towards the society though extension services. 3.Context :The institute intends to carry out more extension programs to cater to the need of the society and mold our students into responsible citizens. 4.The Practice:The Department of Computer Science has been conducting free computer clinic every year. In this program the department repairs computers and laptops of students, faculty members and people residing within the vicinity of the college. Students as well as faculty members of Computer science are actively involved in repairing the software and hardware of computers/laptops of their clients for free. Information for such program is given out through local newspapers. The Home Science department has been carrying out extension programs through voluntary works at crèches, old age homes etc. They have also been organizing free cooking classes for women of the locality where jam making and pickle making have been taught. The Institute has adopted a school and a committee has been set up for the purpose. Career awareness and skill development classes has been organised. Faculty members and students will be continually rendering their services towards this program 5.Evidence of Success : Local community have expressed their gratitude towards the college for offering extension services like Free Computer Clinic,cooking class,opening of legal clinic in collaboration with Mizoram State legal Services authority which have benefitted the local community as well. 6.Problems Faced : With limited resources and time constraint the institute is not able reach its full potential. 7. With the adoption of extension and outreach program as a Best practice the institute intends to further develop the practice in keeping with the college motto.More students will be involved to teach them social responsibility.

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

7.3 – Institutional Distinctiveness

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

The institute has been established by the Government to be the first science college under the Motto 'Lighted to Lighten" .The distinctiveness of the college lies in the fact that it is the only college dedicated purely to the study of Science and the only college in the state of Mizoram to offer Home Science as a stream. It also offers a course in Computer Science.The mission of the college is to cater to the need for undergraduate –level science education in Mizoram. The college has endeavoured to execute and disseminate quality education in various fields of science and technology. As the motto suggests, the principal goal of the institution is to impart knowledge and skills and facilitate students to disseminate their knowledge to the society. The main objectives of the college are :a) To be at par with esteemed colleges outside the state in terms of teachinglearning process and also in terms of research output. b) To continuously strive to provide a platform for more students who cannot afford to pursue higher studies elsewhere. It is the priority of the college to meet the needs and demands of the students of the students of Mizoram which, in spite of high literacy percentage still lags behind in the field of science and technology. Progression of students is the priority of the institute and several steps have been adopted to thrust the institute forward in its primary goal. Student Support programmes such as certificate and cash incentive, career counselling, Personality development, Mentoring system, Coaching for entry into services, Remedial classes and Students' feedback system have been systematically introduced, developed and institutionalised.The college will focus on its extension programmes to serve the localcommunity.It endeavours to carry out more extension and oureach programmes which will

benefit both students and the local society.Such programmes will fall in tandem with college Motto Lighted to lighten.Free Computer cinics have been held regularly by the department of computer Science to benefit people living in the vicinity of the college.Faculty and students of Computer Science have been actively involved in repairing computers,laptops of local persons.The department of Home science have been visiting and offering voluntary services at old age homes and spastic schools every year.The college has adopted a school where extension programs will be carrried out.It is the vision of the college to impart knowledge to the students who will in turn spread their knowledge and offer their service to the society.

Provide the weblink of the institution
https://gzrsc.edu.in/administrations/institution-distinctiveness

8.Future Plans of Actions for Next Academic Year

The Institute is set to move to its new campus which will offer better infrastructure and resources to both faculty and students. Incubation centers will be further developed to augment more start ups from faculty and students. The Hostel for boys and girls have now been made available for interested students. The new campus will help generate more quality initiatives with more thrust in areas of research and research projects. Quality measures like preparation of academic calendar, grouping of students for Mentoring system, publication of yearbook, award of best department will continue as future plan of action. Imparting life skills to students in addition to their course syllabus will remain a major task. Certain departments have been instructed to look for add-on courses for the students. A committee has been set up to look into online add-on courses for students as normal classes cannot resume due to covid-19 pandemic. Association will be sought with renowned institutes like the IIT Mumbai to introduce more online spoken tutorials for the students. Collaborations with foreign universities, other HEIs and industries will be pursued. All departments will be encouraged to take up more extension programs to serve the community which is in keeping with our college motto. The IQAC had resolved to offer a certificate course on Spoken Hindi but could not implement it due to the pandemic. Steps will be taken to start the program in the near future. The IQAC had been conducting internal AAA and had taken effective steps to face external AAA to be conducted by the government. The eco club has also taken steps to face green audit However, due to the pandemic, the process could not be expediated. The management Information system which functions partially will be further developed by engaging alumni members who have gained expertise in MIS development. The student support committee which had inaugurated the career clinic in the 2019-2020 session will look into placement avenues for the students. The alumni committee will assist the alumni association in getting registration. Online feedback will continue to be taken from stakeholders. The institute will be making all necessary plan to face the next cycle of accreditation which is due in May 2021.