

**AQAR 2016-17**  
**The Annual Quality Assurance Report (AQAR) of the IQAC**

All NAAC accredited institutions will submit an annual self-reviewed progress report to NAAC, through its IQAC. The report is to detail the tangible results achieved in key areas, specifically identified by the institutional IQAC at the beginning of the academic year. The AQAR will detail the results of the perspective plan worked out by the IQAC. *(Note: The AQAR period would be the Academic Year. For example, July 1, 2012 to June 30, 2013)*

**Part – A**

**1. Details of the Institution**

1.1 Name of the Institution : Govt. Zirtiri Residential Science College  
 1.2 Address Line 1 : Ramthar Veng  
     City/Town : Aizawl  
     State : Mizoram  
     Pin Code : 796007  
 Institution e-mail address : contact@gzrsc.edu.in  
 Contact Nos. : 0389-2305848  
 Name of the Head of the Institution: Laltanpuia  
 Tel. No. with STD Code : 0389-2305848  
     Mobile : 9436152176  
 Name of the IQAC Co-ordinator : Prof.B.Zoliana  
     Mobile : 9436140347  
 IQAC e-mail address : bzoliana@gmail.com

1.3 **NAAC Track ID** : MZCOGN13765

1.4 **NAAC Executive Committee No. & Date:** EC/47/A&A/60

1.5 Website address : www.gzrsc.edu.in

Web-link of the AQAR : <http://www.gzrsc.edu.in/AQAR2014-15.doc>

**1.6 Accreditation Details**

Sl. No.	Cycle	Grade	CGPA	Year of Accreditation	Validity Period
1	1 <sup>st</sup> Cycle	B	2.22	2009	5 years
2	2 <sup>nd</sup> Cycle	B	2.75	2016	5 years
3	3 <sup>rd</sup> Cycle				
4	4 <sup>th</sup> Cycle				

1.7 Date of Establishment of IQAC : 13/05/2011

**1.8 AQAR for the year** : 2016-17

1.9 Details of the previous year's AQAR submitted to NAAC after the latest Assessment and Accreditation by NAAC (*for example AQAR 2010-11 submitted to NAAC on 12-10-2011*)

AQAR - 03.05.2011  
AQAR - 01.05.2012  
AQAR - 03.04.2013  
AQAR - 03.07.2014

1.10 Institutional Status

University : NA  
Affiliated College : Yes  
Constituent College : No  
Autonomous college of UGC : No  
Regulatory Agency approved Institution : No  
(eg. AICTE, BCI, MCI, PCI, NCI)

Type of Institution Co-education  Men  Women   
Urban  Rural  Tribal

Financial Status Grant-in-aid:  UGC 2(f)  UGC 12B   
Grant-in-aid + Self Financing  Totally Self-financing

1.11 Type of Faculty/Programme : Science  
Others (Specify) : (1) Bachelor of Computer Science  
(2) Bachelor of Home Science.

1.12 Name of the Affiliating University (*for the Colleges*) : Mizoram University, Aizawl

1.13 Special status conferred by Central/ State Government—

UGC/CSIR/DST/DBT/ICMR etc  
Autonomy by State/Central Govt. / University : Nil  
University with Potential for Excellence : NA  
UGC-CPE : NA  
DST Star Scheme : NA  
UGC-CE : NA  
UGC-Special Assistance Programme : NA  
DST-FIST : NA  
UGC-Innovative PG programmes : NA  
Any other (*Specify*) : (a) IERMON Center under BARC  
(b) DBT- Inst. Biotech Hub

UGC-COP Programmes : NA

**2. IQAC Composition and Activities**

2.1	No. of Teachers	: 7
2.2	No. of Administrative/Technical staff	: None
2.3	No. of students	: None
2.4	No. of Management representatives	: 1
2.5	No. of Alumni	: None
2.6	No. of any other stakeholder and community Representatives	: None
2.7	No. of Employers/ Industrialists	: None
2.8	No. of other External Experts	: 2
2.9	Total No. of members	: 9
2.10	No. of IQAC meetings held	: 3
2.11	No. of meetings with various stakeholders	: 7
	No. Faculty	: 1
	Non-Teaching Staff	: 2
	Students	: 1
	Alumni	: 1

2.12 Has IQAC received any funding from UGC during the year? : No

2.13 Seminars and Conferences (only quality related)

(i) No. of Seminars/Conferences/ Workshops/Symposia organized by the IQAC :  
Total Nos. 4 at Institution Level

(ii) Themes :

1.Effective teaching strategies	: Once
2.Effective use of ICT tools	: Once
3.Mentorship	: Twice

2.14 Significant Activities and contributions made by IQAC :

- 1) Prepares Academic calendar.
- 2) Monitors and supervises quality related activities of different sub-committees.
- 3) Organises seminars in collaboration with other sub committees/departments.
- 4) Initiated programmes such as Student's Feedback, Mentoring system, Attendance of students, Personality Development Programme and CCC

2.15 Plan of Action by IQAC/Outcome:

The plan of action chalked out by the IQAC in the beginning of the year towards quality enhancement and the outcome achieved by the end of the year \*

Plan of Action	Achievements
1.Preparation of Academic Calendar 2. Training of teaching Faculty in Computer skills 3. Training of students in computer and other life skills	1.Resulted in timely completion of syllabus 2. ICT aided classes and lectures. 3.Outgoing students of all streams were trained in computer application and other life skills

*\* Attach the Academic Calendar of the year as Annexure.*

2.15 Whether the AQAR was placed in statutory body:           No

## Part – B

### Criterion – I

#### 1. Curricular Aspects

##### 1.1 Details about Academic Programmes

Level of the Programme	Number of existing Programmes	Number of programmes added during the year	Number of self-financing programmes	Number of value added / Career Oriented programmes
PhD				
PG				
UG	3		1	
PG Diploma				
Advanced Diploma				
Diploma				
Certificate				2
Others				
<b>Total</b>	3		1	2

Interdisciplinary				
Innovative				

##### 1.2 (i) Flexibility of the Curriculum: CBCS/Core/Elective option / Open options

##### (ii) Pattern of programmes:

Pattern	Number of programmes
Semester	3 (BSc, BSc (HSc), BCA)
Trimester	
Annual	

1.3 Feedback from stakeholders\* Alumni

Parents

Employers

Students

(On all aspects)

Mode of feedback : Online

Manual

Co-operating schools (for PEI)

*\*Please provide an analysis of the feedback in the Annexure*

##### 1.4 Whether there is any revision/update of regulation or syllabi, if yes, mention their salient aspects:

Yes. Botany, Physics, Electronics, Biochemistry and History of science was revised and updated by the Teaching faculty of the college.

1.5 Any new Department/Centre introduced during the year. If yes, give details.: NIL

## Criterion – II

### 2. Teaching, Learning and Evaluation

2.1 Total No. of permanent faculty

Total	Asst. Professors	Associate Professors	Professors	Others
40	3	36	1	

2.2 No. of permanent faculty with Ph.D.: 8

2.3 No. of Faculty Positions Recruited (R) and Vacant (V) during the year

Asst. Professors		Associate Professors		Professors		Others		Total	
R	V	R	V	R	V	R	V	R	V
1	11	-	1						

2.4 No. of Guest and Visiting faculty and Temporary faculty : 15

2.5 Faculty participation in conferences and symposia:

No. of Faculty	International level	National level	State level
Attended	1	5	2
Presented	1	4	
Resource Persons		2	6

2.6 Innovative processes adopted by the institution in Teaching and Learning:

Introduced innovative teaching methodology such as group discussion lectures, learning through activities and other ICT enabled teaching methodology etc

2.7 Total No. of actual teaching days during this academic year: 180

2.8 Examination/ Evaluation Reforms initiated by the Institution (for example: Open Book Examination, Bar Coding, Double Valuation, Photocopy, Online Multiple Choice Questions):

Open book tests in some subjects. Multiple choice question form a regular part of the evaluative system.

2.9 No. of faculty members involved in curriculum restructuring/revision/syllabus development as member of Board of Study/Faculty/Curriculum Development workshop: 7

2.10 Average percentage of attendance of students : 75

2.11 Course/Programme wise distribution of pass percentage :

Title of the Programme	Total no. of students appeared	Division				
		Distinction %	I %	II %	III %	Pass %
B.Sc(final)	83	Nil	60	7		69
BCA(Final)	33	Nil	83	3		61
B.Sc(H.Sc)	24	Nil	21	42		63

2.12 How does IQAC Contribute/Monitor/Evaluate the Teaching & Learning processes :

Collects feedback from students for self-reflection and self-improvement of teachers. Mentoring of students is a mechanism utilised for monitoring student's academic progress.

2.13 Initiatives undertaken towards faculty development

<i>Faculty / Staff Development Programmes</i>	<i>Number of faculty benefitted</i>
Refresher courses	
UGC – Faculty Improvement Programme	
HRD programmes	
Orientation programmes	
Faculty exchange programme	
Staff training conducted by the university	
Staff training conducted by other institutions	
Summer / Winter schools, Workshops, etc.	10
Others	

2.14 Details of Administrative and Technical staff

Category	Number of Permanent Employees	Number of Vacant Positions	Number of permanent positions filled during the Year	Number of positions filled temporarily
Administrative Staff	15			8
Technical Staff	2			1

### Criterion – III

#### 3. Research, Consultancy and Extension

3.1 Initiatives of the IQAC in Sensitizing/Promoting Research Climate in the institution:

- 1) Organise workshops in collaboration with Research committee on research matters.
- 2) Recommend and encourage faculty members to publish research papers.
- 3) Encourage faculty members to embark upon research projects

3.2 Details regarding major projects

	Completed	Ongoing	Sanctioned	Submitted
Number		2	2	
Outlay in Lakhs (total Rs.71.8 lakhs)				

3.3 Details regarding minor projects

	Completed	Ongoing	Sanctioned	Submitted
Number		2	2	
Outlay in lakhs(total Rs.10 Lakhs)				

3.4 Details on research publications

	International	National	Others
Peer Review Journals	3	9	
Non-Peer Review Journals			
e-Journals			
Conference proceedings			

3.5 Details on Impact factor of publications:

Range  Average  h-index  Nos. in SCOPUS

3.6 Research funds sanctioned and received from various funding agencies, industry and other organisations:

Nature of the Project	Duration Year	Name of the funding Agency	Total grant sanctioned	Received
Major projects	2016-17	DAE- BRNS	71.8 lakhs	71.8 lakhs
Minor Projects	2016-17	UGC	10 lakhs	10 lakhs
Interdisciplinary Projects				
Industry sponsored				
Projects sponsored by the University/ College				
Students research projects (other than compulsory)				



<i>by the University)</i>				
Any other(Specify)				
Total				

3.7 No. of books published i) With ISBN No. : Nil  
ii) Chapters in Edited Book : 1  
iii) Without ISBN No. : Nil

3.8 No. of University Departments receiving funds from : NA

3.9 For colleges : NA

3.10 Revenue generated through consultancy : Nil

3.11 No. of conferences organized by the Institution:

Level	International	National	State	University	College
Number					4
Sponsoring agencies					RUSA

3.12 No. of faculty served as experts, chairpersons or resource persons: 20

3.13 No. of collaborations: International : Nil National : Nil Any other: 1

3.14 No. of linkages created during this year: Nil

3.15 Total budget for research for current year (in lakhs) : Rs 71.9 lakhs  
From Funding agency : Yes  
From Management of University/College : Nil  
Total : Rs. 71.9 lakhs

3.16 No. of patents received this year : Nil

3.17 No. of research awards/ recognitions received by faculty and research fellows  
Of the institute in the year :NIL

3.18 No. of faculty from the Institution who are Ph. D. Guides : 2  
and students registered under them : 2

3.19 No. of Ph.D. awarded by faculty from the Institution : Nil

3.20 No. of Research scholars receiving the Fellowships (Newly enrolled + existing ones)  
JRF:3 SRF: Nil Project Fellows :3 Any other

3.21 No. of students Participated in NSS events:

University level : 12                      State level : 15  
National level : Nil                      International level: Nil

3.22 No. of students participated in NCC events: NA

3.23 No. of Awards won in NSS: NIL

3.24 No. of Awards won in NCC: NA

3.25 No. of Extension activities organized

University forum: Nil                      College forum : Nil  
NCC :NA                      NSS: 5                      Any other: 3

3.26 Major Activities during the year in the sphere of extension activities and Institutional Social Responsibility:

- 1) Free computer clinic organised by the Deptt of computer science.
- 2) Blood donation camps organised by NSS and Red Ribbon Club
- 3) Extension education is a part of the curriculum of the Dept of Home science-
  - a)Extension services to selected neighbouring families for awareness drives on topics like food preservation,nutritional contents of food etc
  - b)Visits and voluntary services to homes, orphanages pre-schools ,schools for the disabled.

### Criterion – IV

#### 4. Infrastructure and Learning Resources

##### 4.1 Details of increase in infrastructure facilities:

Facilities	Existin g	Newly created	Source of Fund	Total
Campus area	None	7Bighas at Durtlang campus being developed	SPA,DONER and RUSA	Rs 11,66,44 lakhs
Class rooms				
Laboratories		Language Laboratory inaugurated	RUSA	2.5 lakhs
Seminar Halls				
No. of important equipments purchased ( $\geq$ 1-0 lakh) during the current year.		15		
Value of the equipment purchased during the year (Rs. in Lakhs)		Rs. 12.11		
Others				

##### 4.2 Computerization of administration and library:

- 1) The administrative staffs are equipped with computers to perform their clerical works.
- 2) The library is fully automated.
- 3) Campus is wifi-enabled

##### 4.3 Library services:

	Existing		Newly added		Total	
	No.	Value	No.	Value	No.	Value
Text Books	10327		260	87500		
Reference Books	955		None			
e-Books						
Journals	12	35800	None			
e-Journals						
Digital Database						
CD & Video						
Others (specify)						

#### 4.4 Technology up gradation (overall):

	Total Computers	Computer Labs	Internet	Browsing Centres	Computer Centres	Office	Departments	Others
Existing	76	60	4	1	1	7	6	-
Added	-	-	-	-	-	-	-	-
Total	76	60	4	1	1	7	6	-

#### 4.5 Computer, Internet access, training to teachers and students and any other programme for technology upgradation (Networking, e-Governance etc.):

- 1) Campus is wi-fi enabled.
- 2) Teachers provided with laptops and tablets from UGC additional fund
- 3) 3. Workshop on basic computer applications organised for both students and teachers.
- 4) 4. The college website has been elaborately updated. Notes can be uploaded from the college website

#### 4.6 Amount spent on maintenance:

i)	ICT	: Rs. 475,670.00
ii)	Campus Infrastructure and facilities	: Rs. 86,40,320.00
iii)	Equipments	: Rs. 12,11,275.00
iv)	Others	: Rs. 14,000.00
	<b>Total</b>	<b>: Rs. 103,28,665.00</b>

## Criterion – V

### 5. Student Support and Progression

5.1 Contribution of IQAC in enhancing awareness about Student Support Services;

- 1) 1.The IQAC has prepared profile of Alumni members and ex-students
- 2) 2.Mentorship initiated by IQAC serves as an effective student support service

5.2 Efforts made by the institution for tracking the progression;

There is no systematic monitoring regarding progression of students to higher education or employment. An interactive page for Alumni members has been created which has significantly helped in tracking the progression of our students. A profile of its old students is also being prepared

5.3 (a) Total Number of students

UG	PG	Ph. D.	Others
	70	10	

(b) No. of students outside the state : 15

(c) No. of international students : Nil

Men : 337 (53.7%)

Women : 277 (44.1%)

Last Year						This Year					
Gener al	SC	ST	OB C	Physically Challenged	Total	Gener al	SC	ST	OB C	Physicall y Challeng ed	Total
9		622	2		633	12		614	2		628

Demand ratio :                  Dropout %: 8

5.4 Details of student support mechanism for coaching for competitive examinations (If any):

Awareness provided to students regarding competitive examinations such as bank P.O,UPSC,MPSCetc.Materials for such examinations provided at the Library

No. of students beneficiaries : 92

5.5 No. of students qualified in these examinations:

NET :5	SET/SLET: Nil	GATE:Nil	CAT :Nil
IAS/IPS etc :	State PSC :	UPSC :	Others :

5.6 Details of student counselling and career guidance:

- 1) Career awareness programmes are held regularly for each stream.
- 2) The outgoing students are given special guidance at the end of their final year examination during Personality Development Programmes.

No. of students benefitted: 614

5.7 Details of campus placement : NIL

5.8 Details of gender sensitization programmes:

Seminar on women issues organised by women's Studies Committee

5.9 Students Activities

5.9.1 No. of students participated in Sports, Games and other events

State/ University level : 60  
National level : Nil  
International level : Nil

No. of students participated in cultural events

State/ University level : 30  
National level : Nil  
International level : Nil

5.9.2 No. of medals /awards won by students in Sports, Games and other events

Sports : Nil  
Cultural : Nil

5.10 Scholarships and Financial Support:

	Number of students	Amount
Financial support from institution	15	45000
Financial support from government		
Financial support from other sources		
Number of students who received International/ National recognitions		

5.11 Student organised / initiatives

Fairs : State/ University level : 1 National level: Nil International level : Nil  
Exhibition: State/ University level : Nil National level: Nil International level : Nil

5.12 No. of social initiatives undertaken by the students : Nil

5.13 Major grievances of students (if any) redressed: Nil

## Criterion – VI

### **6. Governance, Leadership and Management**

6.1 State the Vision and Mission of the institution

- 1) 1.To Impart science education under the motto ‘Lighted to lighten’.
- 2) 2.To uplift the status of science and technology in Mizoram.

6.2 Does the Institution has a management Information System : No

6.3 Quality improvement strategies adopted by the institution for each of the following:

6.3.1 Curriculum Development :

- 1) The departmental meetings are effective mechanism for syllabus review and consequently curriculum development.
- 2) Resolutions taken up at departmental meetings are tabled and discussed In general body meetings and if necessary ,suggestions are made to the university for revision and up gradation.
- 3) Many of our faculty members are involved in curriculum design and development as members of Board of Studies and School Board.

6.3.2 Teaching and Learning:

- 1) IQAC frames and monitors various aspects of quality improvement strategies.
- 2) Library facilities constantly upgraded with internet access to facilitate better learning outcomes.
- 3) ICT tools are used for teaching and learning.
- 4) Teachers encouraged to participate in self-enrichment courses

6.3.3 Examination and Evaluation:

- 1) Examination cell monitors and supervises all internal and university examinations.
- 2) Briefing of teachers and students conducted before every university examination.
- 3) Evaluation of internal examination and tests are monitored by the examination cell. Evaluation of university papers is the purview of Mizoram University.

6.3.4 Research and Development:

- 1) The Research Committee organises workshops and seminars to sensitize students and teachers .
- 2) The committee encourages teaching faculty to attend such programmes within and outside the college.

6.3.5 Library, ICT and physical infrastructure / instrumentation:

- 1) The Library is fully automated and secured with CCTV.
- 2) College Campus has been made wi-fi enabled.

6.3.6 Human Resource Management:

The Heads of Department committee has been made responsible for Human Resource management.

6.3.7 Faculty and Staff recruitment:

The college has no authority over recruitment of faculty and staff as it is a Government college

6.3.8 Industry Interaction / Collaboration:

There is no formal collaboration /interaction with industry.

6.3.9 Admission of Students:

Admission committee which consists of Heads of department lay down the norms and conditions of eligibility for admission .All departments are to comply with the decisions taken by the committee. Written examinations or interviews or both are conducted for admission into the college.

6.4 Welfare schemes for

Teaching	Staff welfare comtt and MCTA
Non teaching	Staff welfare Commtt
Students	Poor Fund

6.5 Total corpus fund generated : 3

6.6 Whether annual financial audit has been done : Yes

6.7 Whether Academic and Administrative Audit (AAA) has been done?: NIL

6.8 Does the University/ Autonomous College declares results within 30 days?: NA

6.9 What efforts are made by the University/ Autonomous College for Examination Reforms? NA

6.10 What efforts are made by the University to promote autonomy in the affiliated/constituent colleges? : NA

6.11 Activities and support from the Alumni Association

- 1) Alumni member are invited for talks and seminars
- 2) Many alumni members return to the institutes as guest lecturers and contract teachers
- 3) They offer valuable suggestions from time to time.
- 4) Alumni Day Celebrated on 1<sup>st</sup> August annually(Unless the day fall on a holiday)

6.12 Activities and support from the Parent – Teacher Association:

Parent-Teacher meets conducted annually are an effective forum to discuss issues concerning our college and students .Many useful feedback from parents are received, recorded and implemented from such meets .Suggestion made by Parents are always given due importance

6.13 Development programmes for support staff:

IQAC organizes faculty enrichment programme every year .



#### 6.14 Initiatives taken by the institution to make the campus eco-friendly

- 1) Energy conservation: Deputed staff to ensure lights and fans are switched off .College office practices re-using reverse side of paper.
- 2) Unusable university papers are used for internal tests and exams.
- 3) Use of renewable energy: Proposes to install 32 kwp solar PV cell and use solar water heaters for hostels.
- 4) Water Harvesting: Rainwater harvesting system has been implemented in two location i.e above the auditorium and the main building.
- 5) Plantation: Intensive plantation is being proposed in the new college campus.
- 6) Waste management: Chemical wastes from laboratories are disposed underground. Spoilt/old chemicals are sent for incineration under the 'PPP mode'

## Criterion – VII

### 7. Innovations and Best Practices

7.1 Innovations introduced during this academic year which have created a positive impact on the functioning of the institution. Give details:

- 1) Adoption of schools
- 2) Science Exhibition organised

7.2 Provide the Action Taken Report (ATR) based on the plan of action decided upon at the beginning of the year:

Visited schools, Career guidance and awareness created to promote scientific temper among students.

7.3 Give two Best Practices of the institution (*please see the format in the NAAC Self-study Manuals*)

- 1) Personality development programme
- 2) Mentoring

*\*Provide the details in annexure (annexure need to be numbered as i, ii,iii)*

7.4 Contribution to environmental awareness / protection:

Organises seminars and awareness programmes on environment issues

7.5 Whether environmental audit was conducted? No.

7.6 Any other relevant information the institution wishes to add. (for example SWOT Analysis):

**STRENGTH:** The only science college under Mizoram State Government located in Aizawl which is destined to be a premier science college offering 3 stream i.e Science, Home Science and Computer Science..

**WEAKNESS:** The campus is small and is unable to accommodate enough students. Shortage of teaching staff. Lack of proper Infrastructure at the present campus.

**OPPORTUNITIES:** Located at the heart of the capital city. It is the only college in Mizoram that offers Home science. Upgraded to a Model degree College by RUSA

**THREATS :** Insufficient Space and infrastructure can result in migration of good students to other institutions

### 8. Plans of institution for next year

- 1) To introduce more add-on courses (e.g Certificate course in spoken English)
- 2) To develop permanent campus at Durtlang
- 3) To develop sport infrastructure.
- 4) To organise more community oriented extension programmes.

Name: B.ZOLIANA

Name : LALTANPUIA

\_\_\_\_\_Sd/-\_\_\_\_\_  
Signature of the Coordinator, IQAC

\_\_\_\_\_Sd/-\_\_\_\_\_  
Signature the Chairperson, IQAC