



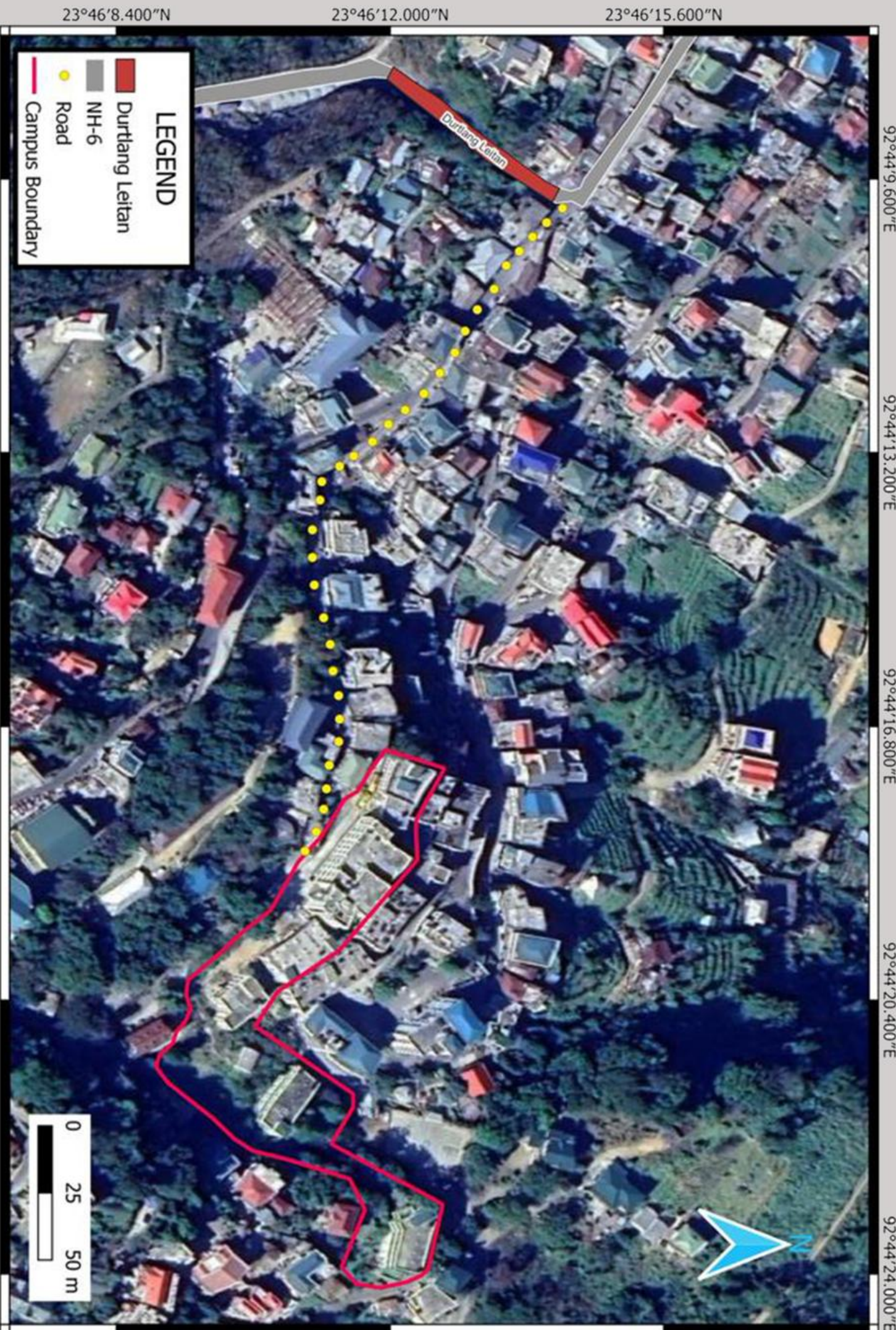
(NAAC 'A' GRADE ACCREDITED COLLEGE)

PROSPECTUS

2022 - 2023

Motto : Lighted to Lighten

www.gzrsc.edu.in



GOVT. ZIRTIRI
RESIDENTIAL
SCIENCE COLLEGE
AIZAWL

(NAAC 'A' GRADE ACCREDITED COLLEGE)

PROSPECTUS

2022 - 2023

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ABOUT THE COLLEGE

Govt. Zirtiri Residential Science College is a multi-faculty co-educational college with three undergraduate streams viz. Science, Home Science and Computer Science. The college is affiliated to Mizoram University and is registered under 2(f) & 12-B of the UGC Act. The college has been converted into its present form in the year 2000 from the erstwhile Government Zirtiri Women's College (established in 1.8.1980) by amalgamating the existing Home Science Department with science faculties from other government colleges of the state. The permanent campus at Durtlang has been occupied since 2022. The college functions from its two campuses with the Science and Home Science Departments in Durtlang Campus and Computer Science in Ramthar Campus. The office of the Principal is located at Durtlang Campus. The college has undergone its third cycle of accreditation from NAAC and has been awarded grade A with CGPA 3.09. It has also completed its first cycle of External Academic and Administrative Audit conducted by Higher & Technical Education and has attained 71.6 % with aggregate institutional points of 1074.

MISSION STATEMENT

Govt. Zirtiri Residential Science College has been established by the government to be the first science college with a view to cater to the need for undergraduate-level science education in Mizoram. The college has endeavored to execute and disseminate quality education in various fields of science and technology.

GOALS & OBJECTIVES

The principle goal is to cater to the need for higher learning in the college level in various fields of science education in Mizoram. It is envisaged that the knowledge and skills gained from the institution, with the degree obtained, would facilitate students for future employment opportunities. The main objectives of the college are:

- To be at par with esteemed colleges outside the state in terms of teaching-learning process and, also in terms of research output.
- To continuously strive to provide a platform for more choices and opportunities, particularly for students who cannot afford to pursue higher studies elsewhere.

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SECTION -I

PROFILE OF THE COLLEGE

The College is staffed with a team of highly qualified and experienced teaching faculty who are committed to the development and enlightening of their students under the motto 'Lighted to Lighten'. The college has endeavored to serve its purpose to meet the needs and demands of the students of Mizoram which, inspite of high literacy percentage still lags behind in the field of science and technology. Various activities are mentioned briefly:

STUDENT SUPPORT PROGRAMMES

- a) **Certificates and Cash incentives:** Certificates and cash incentives are awarded to meritorious students.
- b) **Endowment Fund:** Financial support is accorded to disadvantaged and deserving students of the college as per requirement.
- c) **Career counseling and placement:** Career clinic has been opened at Ramthar campus to guide students and can be accessed by students every wednesday from 2:30-4:00 p.m during college sessions. Career awareness programmes are conducted annually to provide guidance to students.
- d) **Personality Development:** Personality Development Programme is organized annually for all the outgoing students of every stream to equip them to face challenges and opportunities as they leave the college.
- e) **Mentoring System:** Intensive Student Mentoring System has been introduced in which every student is assigned a teacher-mentor who will assist students in matters relating to academics.
- f) **Coaching for entry into services:** The college provides coaching classes for several competitive exams from time to time.
- g) **Remedial Classes:** Remedial Classes are held for needy students. The teachers work extra hours outside the regular routine to provide special assistance to the students, as per requirement.
- h) **Students' Feedback system:** Feedback on teachers is collected from the students through a common feedback form to promote self- reflection and improvement on the part of the teachers.
- i) **Add-on Courses:** In addition to their normal degree courses, the college offers add-on courses such as CCC in collaboration with NIELIT and 70 plus add-on courses in collaboration with IIT Bombay Spoken Tutorial (free of cost).



CO-CURRICULAR ACTIVITIES

a) Students actively participate in various activities like blood donation, awareness drives, outreach & visit programmes. The Students' Union organizes annual sports and takes part in other events like Inter-College sports meet and other competitions like quiz, debate, essay writing, etc. The Evangelical Union holds weekly prayer meetings and annual functions to nourish the spiritual and moral life of the students.



b) **NSS Unit:** The College has very active NSS units that have rendered lots of contributions and community services towards the welfare of the people of Mizoram.

c) **NCC:** The NCC GZRSC unit of the first Mizo Air Squadron was started in 2018. Interested students can apply for membership.



d) **Clubs:** The college has several clubs such as Adventure Club, Eco Club, EBSB, Senhri Cultural Club, Red Ribbon Club.



INFRASTRUCTURE AND LEARNING RESOURCES

The college has a Library, a Multi-purpose hall, two Home Science labs, 9 Science labs, 2 Research labs, Computer labs with Language lab, S.U rooms, Geo-technical Laboratories and a canteen.



1) **Library:** Well-maintained with moderately rich stock of books, journals, magazines and other periodicals. Open lay-out of rooms gives students easy access to reading materials and is backed-up by UGC Network Resource Centre with broadband internet connection. It is computerized using INFLIBNET's SOUL 2.0 version and CCTVs are installed for security measures. The library subscribes to N- List and 6 journals. The library also provides reprographic and lamination services at rates lower than market rates.



2) **Computer Laboratory and Language Lab:** Well-equipped computer labs are available for the BCA students. Computers are connected via LAN, which provides a networked environment. Broadband Internet facility is also available free of cost so that students can have access to unlimited wealth of information on the net. A modernized language lab is housed in the computer lab with internationally acclaimed language software Sanako. Audio visual hardware are available for teaching along with the system.



3) Research Facilities

(a) DBT Institutional Bio-tech Hub (estd. 2012): The Hub has been established with funding from DBT (New Delhi). Facilities of the Hub include PCR machine, trans-illuminator, UV-Vis Spectrophotometer, High-speed Centrifuge, Gel Electrophoresis kits, etc. backed with 10 kVA online UPS. The Hub has been providing platform for undertaking basic research in modern biology.



(b) Radiation Monitoring Lab: This laboratory has been established through the Research Project funded BRNS (Govt. of India) since 2008. It is equipped with sophisticated machines like NaI (TI) gamma spectrometer with 1k Multichannel Analyser, RAD7 and other nuclear track detecting instruments. Ph.D. scholars and students utilize the facilities and a number of them have acquired Ph.D. degree from this lab. BRNS has approved research funds for installation of machines like laser fluorometry, Scintillation Radon/thoron Monitor to strengthen the lab.



(c) IERMON Centre: The College is a center for Indian Environmental Radiation Monitoring Network (IERMON) for transmitting background environmental radiation data to the main station in BARC, Mumbai. The system was installed in June 16th 2011 and has provided the status of gamma radiation level of Aizawl round the clock and sends the data to IERMON central station. Satellite Communication based ERM System (ERM-SAT) was installed at Durtlang Campus on 10th February, 2021 by BARC, Mumbai.



4. Community Service Centre

The college has a community service centre which offers the following services to the community and students :

a) **Geotechnical Lab:** The Laboratory is a recognised laboratory under AMC which can undertake soil test for specific gravity, moisture content, liquid limit, plastic limit, proctor compaction, direct shear and soil bearing capacity.



b) **Legal Clinic** - Offers consultation on legal matters, drafting of affidavits etc under aegis of Mizoram State Legal Services Authority.

c) **Home Skill Training Centre** – offers extension education, food and nutrition, family resource management, child development in collaboration with Mizoram Home Science Association.



d) **Computer Clinic** - offers free computer repair from time to time as notified by Computer department.





SECTION II

COURSE OFFERED, ELIGIBILITY & ASSESSEMENT SYSTEM COURSES OFFERED BY THE COLLEGE

Sl. No.	Stream	Department	Remark
1	Science (Under Graduate)	Chemistry	Core Subject
		Physics	Core Subject
		Mathematics	Core Subject
		Zoology	Core Subject
		Botany	Core Subject
		Geology	Core Subject
		Biochemistry	Core Subject
		Electronics	Core Subject
2	Home Science	B.H.Sc	UG
3	Computer Science	B.C.A	UG

ELIGIBILITY FOR ADMISSION

For B.Sc.

Student must pass in the Higher Secondary Examination in Science Stream or its equivalent conducted by any recognized Board of the State or Central Government.

For B.Sc. (Home Science)

Students must pass in the Higher Secondary (10+2) Science or Arts Stream with Home Science as one of the papers.

For BCA

Passed 10+2 (Any stream) securing not less than 55% marks (5% relaxation for ST/SC candidates) from Central Board of Secondary Education or any other equivalent examination recognized by Mizoram University including Vocational Course in Computer related areas.



SUBJECT COMBINATION FOR B.Sc. COURSE

Sl. No.	Category	Core	Elective Subjects		
			Option	Elective I	Elective II
1	Physical Science	Physics	A	Mathematics	Chemistry
			B	Mathematics	Electronics
			C	Mathematics	Geology
		Mathematics	A	Physics	Chemistry
			B	Physics	Electronics
			C	Physics	Geology
		Chemistry	A	Mathematics	Physics
		Electronics		Mathematics	Physics
		Geology	A	Mathematics	Physics
2	Life Science	Geology	B	Chemistry	Zoology
		Zoology	A	Chemistry	Botany
			B	Chemistry	Biochemistry
			C	Chemistry	Geology
		Botany	A	Chemistry	Zoology
			B	Chemistry	Biochemistry
		Biochemistry	A	Chemistry	Zoology
			B	Chemistry	Botany
		Chemistry	B	Zoology	Botany
			C	Zoology	Biochemistry



EXAMINATION AND ASSESSMENT

Each course shall be evaluated at the scale of 100. For all courses, irrespective of theory and practical, there shall be continuous internal assessment carrying 25 marks and an end – semester examination carrying 75 marks.

CONTINUOUS ASSESSMENT (CA)

The scheme of awarding marks in internal assessment for theory courses shall be as follows:

Two Tests will be compulsory. If student appear only one test, average will be computed from single Test appeared.

Components	Total marks
Class Test (Average of 2 tests)	12 marks
Assignment/Seminar/Project, etc.	8 marks
Regularity in the class	5 marks

The scheme of awarding marks in internal assessment for a practical course shall be as given below

Evaluation in the lab and record	8 marks
End-Semester test	12 marks
Regularity in the class	5 marks

Attendance evaluation for each course shall be as given in below

Attendance	Marks
90 % and above	5
85 - 89.9 %	4
80 - 84.9 %	3
76 - 79.9 %	2
75 - 75.9 %	1

THE END-SEMESTER EXAMINATION

For each Course (separately theory and practical) end- semester examinations shall be conducted for 75 marks each. Finally the marks obtained in internal assessment and end- semester examination in each course shall be pooled and the percentage of marks obtained shall be calculated by the Examination Department.



MINIMUM MARKS FOR PASSING OF A COURSE:

A minimum of 140 credits are required for awarding of B.Sc. degree.

- 1) For passing of each course a candidate must secure a minimum of 50% marks (equivalent Grade 'B') in end semester Examination. For internal assessment there shall be no passing marks. However, grading shall be based on marks obtained in both components i.e, internal assessment and end semester examination.
- 2) In any case a student shall not be allowed to repeat a course for internal assessment component.
- 3) A candidate shall be permitted to proceed from the first semester up to final semester irrespective of his/her failure in any of the semester examination subject to condition that the candidate shall appear for all the arrear papers of each course(s) along with the concerned semester examinations.

No candidate shall be allowed to appear in any course more than three times (including the regular chance), and no candidate shall be allowed to appear in any course beyond ten semesters of his / her first admission.

FEES STRUCTURE FOR FIRST YEAR

STREAM	AMOUNT(₹)
B. Sc.	6290
B. Sc (H/Sc)	6290
BCA	14610



SECTION-III

GENERAL RULES OF DISCIPLINE

1. SMOKING

Smoking is strictly prohibited within the College premises and is punishable with a fine of Rs. 200 (Rupees two hundred).

2. DRINKING:

Drinking of any liquor with alcohol content and indulging in other intoxicants is prohibited within the College campus and during College functions (College Week, Inter- College Sports and other college functions). Students found guilty of such prohibited acts are punishable by suspension from College for a period not exceeding one month. Such students will be prohibited from attending all other college activities/functions. All kinds of unruly behaviour, whether as an outcome of drinking alcohol or not, is strictly prohibited. Offenders may be expelled from college, as decided by the Disciplinary Committee.

3. CELL PHONES

Active use of Cell-phone/ Tablets/ Music Players during lecture classes and practical classes is not allowed. Anyone found misusing such gadgets and indulging in such acts will have the material confiscated and parents will have to collect the same, with a fine, from the Principal.

4. DRESS CODE

All students are expected to come to college in decent costumes. Proper haircuts/ hairstyles must be maintained by all students in and around the campus.

5. RESPECTING TEACHERS

Students are expected to show respect to all teachers regardless of whether they are directly taught by them or not. Stern action will be taken against students who are disrespectful to teachers in words or in actions. All students of Govt. Zirtiri Residential Science College are compelled to abide by the Rules mentioned above. All malpractices and disobedience will result in appropriate action to be taken up by concerned authority.



COLLEGE DIRECTORY



Prof. B. Zoliana
Principal

College website: www.gzrsc.edu.in

Email: contact@gzrsc.edu.in

Phone: 0389-2305848 (Office)

Fax: 0389-2306252

Postal Address:

Govt. Zirtiri Residential Science College
Durtlang Leitan, Aizawl: Mizoram - 796015
(Durtlang Campus)

Ramthar Veng, Aizawl: Mizoram - 796007
(Ramthar Campus)

TEACHING FACULTY

HOME SCIENCE DEPARTMENT

Sl. No.	Name	Address	Contact Number
1.	Lalsangliani Khawlhing	Mission Veng	9436156743
2.	Lalrinngheti Ralte(HOD)	Tuikual C	9436159575
3.	Lalsangkimi Hmar	Bethel, Khatla	9436144478
4.	Lalthanpuui Ralte	Chaltlang	9436151177
5.	Lalhmingliani Hlondo	College Veng	9856555336
6.	C. Lalramdina	Bethel, Khatla	9436150069
7.	Lalrammawii	Ramhlun Venglai	9436360092
8.	Vanlallawmi	Tlangnuam	7005824639
9.	C. Zarzokimi	Chhinga Veng	9436365978
10.	Maria Lalhmingmawii	Durtlang Leitan	9436352652
12.	Mimi Lalmuanawmi	Mission Veng	9612513236

DEPARTMENT OF ENGLISH

Sl. No.	Name	Address	Contact Number
1.	Laltluangkimi Hnamte	Mission Veng	9436361107
2.	Lalmalsawmi Chhangte (HOD)	Thakthing Veng	9436354626
3.	Lalrinsangi Nghinglova	Zarkawt	9436143838
4.	Lalrinpuui Rokhum	Electric Veng	9862357078

DEPARTMENT OF CHEMISTRY

Sl. No.	Name	Address	Contact Number
1.	Dr. K.B.Singh(HOD)	Kulikawn	9436354735
2.	Dr. Zirliangura (on deputation)	Ramhlun North	9436156330
3.	Dr. Lalhmingliana Hnamte	Venghlui	9774001563
4.	R. Lalramengzami	Chanmari West	9436140767
5.	Zonunthari	Ramhlun North	9436146953
6.	Dr. Samuel Lallianrawna	Vaivakawn	9862322591
7.	Dr. Lalsaimawia Sailo	Vaivakawn	9612082407



DEPARTMENT OF PHYSICS

Sl.No.	Name	Address	Contact Number
1.	Dr. Arup Kumar(HOD)	Thakthing Veng	9862373681
2.	M.I. Singh	Mission Veng	9862846198
3.	Dr. Rosangliana	Tuikhuahtlang	9436151667
4.	Dr. Lawrence Zonunmawia	Mission Veng	9436159864
5.	Remlalsiama	New Secretariat Complex	9436148045
6.	Dr. H. Lalremruata	Zemabawk	9862323823

DEPARTMENT OF BIO-CHEMISTRY

Sl.No.	Name	Address	Contact Number
1.	Dr. Fanai Lalsangluaii (HOD)	Ramhlun North	8575304608
2.	Lalrosangpuii	Tuikhuahtlang	8974821128
3.	K. Zosangpuii	Bungkawn	9862936453
4.	Dr. Rebecca Vanlalsangi	Khatla	9615329687
5.	Dr P.C. Lalrinfela	Ramhlun North	9774264419

DEPARTMENT OF BOTANY

Sl.No.	Name	Address	Contact Number
1.	Dr. R. Lalengmawia (HOD)	Ramhlun Venglai	9436196952
2.	Zodinpuui	Durtlang	9862334337
3.	Laltlanchhungi	Falkland	9862816537
4.	Mary Lalthansangi	Chanmari	9436152791
5.	Lalrintluangi	Khatla	9862712174
6.	Lalremruati Hmar	Electric Veng	9436145294
7.	Lalnunthara	Electric Veng	9436146297
8.	Lalthanpuui Hnamte	Ramhlun Vengthar	8730975072

DEPARTMENT OF ZOOLOGY

Sl.No.	Name	Address	Contact Number
1.	Caroline Zaihmingthangi	Dawrpui Vengthar	7085055241
2.	Dr. Lazahawmi Chenkual (HOD)	Nursery	9436157533
3.	S. Thangrimawii	Venghlui	9436149168
4.	Lalrinmawia	Khatla South	9436140524
5.	H. Lalnunsangi	Chhinga Veng	9436143781
6.	Sailopuii	Ramhlun South	9436365690

DEPARTMENT OF MATHEMATICS

Sl.No.	Name	Address	Contact Number
1.	L.B. Singh (HOD)	Kulikawn	9862373643
2.	Parijat Kumar	Thakthing	9774140717
3.	Dr. R. Lalawmpuii	Kulikawn	9862516683
4.	David Rosangliana	Kanan	9862220289
5.	Laltlanhlui	Govt . Complex	9089569700



DEPARTMENT OF ELECTRONICS

Sl.No.	Name	Address	Contact Number
1.	Dr. Ricky Lalhmangaihzuale (HOD)	Sakawrtuichhun	9862364797
2.	Dr. P.C. Rohmingliana	Kulikawn	9862757256
3.	Reginald H. Vanlalchaka	Nursery	8974750040
4.	Dr. Lalrinmawia Punte	Republic Veng	9862375929
5.	Dr. Lalthanpuui Khiangte	Bungkawn	9612149602

DEPARTMENT OF GEOLOGY

Sl.No.	Name	Address	Contact Number
1.	Dr. C. Zoramthara (HOD)	Tuikual South	9862501735
2.	Dr. C. Lalmuankimi	Ramhlun Venglai	7085921506
3.	Laltlankima	Saron Veng	9862326558
4.	Dr. C. Lalremruatfela	Ramhlun North	9612712660

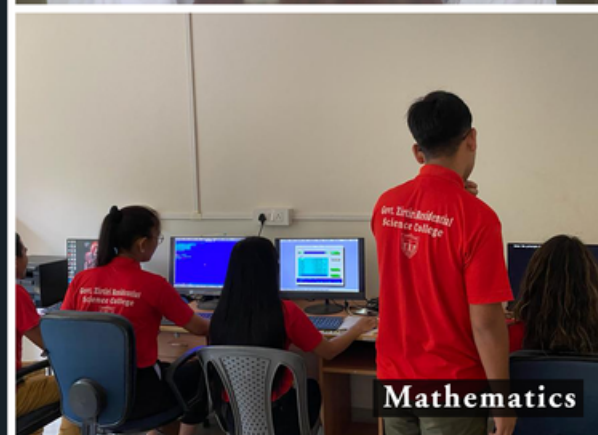
DEPARTMENT OF COMPUTER SCIENCE

Sl.No.	Name	Address	Contact Number
1.	Dr. MS. Dawngliani	Chaltlang	9436376193
2.	C. Lalrinawma(HOD)	Bawngkawn	9436366800
3.	Lalhruaitluanga	Ramthar Veng	9436193526
4.	R. Lalmawipuii	Falkland	9436195919
5.	H. Thangkhanhau	Ramthar Veng	9856711477
6.	Laldingliana Sailo	Dawrpui Vengthar	9862742059
7.	Vanlallura	College Veng	8974668992
8.	Lalsangzuali	Kulikawn	9862288856

NON-TEACHING STAFF

Sl.No.	Name	Designation	Address	Contact Number
1.	Prof. B. Zoliana	Principal	Bungkawn	9436140347
2.	H. Lalrinzuali	UDC	MissionVeng	9436390504
3.	R. Lalfakzuali	Lab. Asst.	Aizawl Venglai	9862368169
4.	K. Hmingthantluangi	Lab. Asst.	Upper Republic	9856799375
5.	T. Zothangpuii	Lib. Asst.	Bethlehem Veng	9862334585
6.	Lalrochanga	LDC	Ramhlun Vengthar	9436353894
7.	Zarinpuui	LDC	Venghlui	9862344234
8.	Biakchungnunga	Driver	Khatla South	9862365181
9.	F. Lalsangluaia	G-IV	I.T.I. Veng	9856836644
10.	K. Laltlanmawia	G-IV	Bawngkawn	9862842015
11.	Helen Vanlalruati	G-IV	Republic Veng	9366076280
12.	Lalhuzami	Lab. Bearer	Ramthar Veng	9612366589
13.	P.C. Lalhmangaihthanga	Lab. Bearer	I.T.I. Veng	9862672309
14.	Lalmalsawma	Conductor	Aizawl Venglai	8119948806
15.	Lalthatluanga	G-IV	Durtlang	8794042025
16.	Esther Lalnunpuui	Librarian	Ramhlun North	7005303174
17.	David Sailo	System Assistant	Zemabawk Vengthar	8732077720
18.	C. Lalsangpuui	Typist	Bethlehem Veng	9612699251
19.	R. Vanlalruati	Typist	Vaivakawn	9436783065
20.	Lalthlanhlui	Operator	Khatla South	9615532898
21.	Lalthafamkima	Driver	Ramhlun South	9862234772
22.	Lalthuneiha	Conductor	Durtlang Zion Veng	6909486001
23.	Zairemmawia	Chowkider	Durtlang, Leitan	9366932439
24.	Lalhriattira	Bus Driver	Chaltlang	8794174076

PHOTO OF PRACTICAL WORKS



COMMON ROOM FOR WOMEN



COLLEGE BUILDING



COLLEGE BUILDING