



# GOVT. ZIRTIRI RESIDENTIAL SCIENCE COLLEGE

AIZAWL

(NAAC 'A' GRADE ACCREDITED COLLEGE)

# PROSPECTUS

2023 - 2024

Motto : Lighted to Lighten

[www.gzrsc.edu.in](http://www.gzrsc.edu.in)





## ABOUT THE COLLEGE

**G**ovt. 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

**G**ovt. 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

**T**he 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:

- a) To be at par with esteemed colleges outside the state in terms of teaching-learning process and, also in terms of research output.
- b) 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 requirements.
- c) **Career counseling and placement:** Career clinic has been opened at the campus to guide students. The clinic can be accessed by students on Wednesdays from 2:30-4:00 pm during working days (prior notice is given by concerned committee) Career awareness programs are conducted annually to provide guidance to students
- d) **Personality Development:** Personality Development is organized annually for all outgoing students of every stream to equip them with skills to face challenges and embrace opportunities as they leave the college.
- e) **Mentoring System:** Intensive Student Mentoring System has been put in place. Every student is assigned a teacher-mentor to assist them in academic matters.
- f) **Remedial Classes:** Remedial classes are offered from time to time as per requirement of the students.
- g) **Add-on Courses:** To supplement their normal degree courses, the college offers add-on courses such as CCC in collaboration with NIELIT and 70 + online add on courses in collaboration with IIT Mumbai spoken tutorial (this course is offered to students free of cost)
- h) **Students' Feedback system:** Feedback system is collected from students whereby their grievances can be heard and addressed.
- i) **Earn while you learn:** Selected students who require financial assistance are given on-campus cleaning jobs from the corpus fund collected from the faculty.



## 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

1. Adventure Club
2. Eco Club
3. EBSB
4. Senhri Cultural Club
5. Red Ribbon Club
6. Literature Club
7. Basketball Club
8. Music & Dance Club
9. Volleyball Club
10. Football/Futsal Club
11. Badminton Club
12. Photography Club
13. Cooking Club
14. Physical Fitness Club
15. Media & Publicity 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 with computerized using INFLIBNET's SOUL 2.0 version and the library subscribes to N- List.



**2) Computer Laboratory and Language Lab:** Well-equipped computer labs are available for the BCA students. A modernized language lab is housed in the computer lab with internationally acclaimed language software Sanako. Audio visual hardwares are available for teaching along with the system.



**3) Hostels:** Hostel facilities are available for Boys and Girls at Durtlang Campus

### 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 (Tl) 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) 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)	Botany	Major Subject
		Biochemistry	Major Subject
		Chemistry	Major Subject
		Electronics	Major Subject
		Geology	Major Subject
		Mathematics	Major Subject
		Physics	Major Subject
		Zoology	Major Subject
2	Home Science	Home Science	B.Sc. (Home Science)
3	BCA	Computer Science	BCA (CBCS)

### ELIGIBILITY FOR ADMISSION

#### For B.Sc.

Student must pass in the Higher Secondary Examination (10+2) in Science Stream or its equivalent conducted by any recognized Board of the State or Central Government.

#### For B.Sc. (Home Science)

Student must pass in the Higher Secondary Examination (10+2)

#### For BCA

Student must pass in the Higher Secondary Examination (10+2) in Science Stream or its equivalent conducted by any recognized Board of the State or Central Government or any other equivalent examination recognized by Mizoram University including Vocational Course in Computer related areas.



## GUIDELINE FOR CHOOSING MINOR AND MULTIDISCIPLINARY PAPER ON 2023-2024 ADMISSON

Sl. No.	Major	Minor (any one)
1	Botany	Biochemistry / Chemistry / Home Science / Zoology
2	Biochemistry	Botany / Chemistry / Home Science / Zoology
3	Chemistry	Botany / Biochemistry / Physics / Zoology
4	Electronics	Biochemistry / Geology / Mathematics / Physics
5	Geology	Chemistry / Electronics / Physics / Zoology
6	Home Science	Botany / Biochemistry / Home Science / Zoology
7	Mathematics	Chemistry / Electronics / Geology / Physics
8	Physics	Chemistry / Electronics / Geology / Mathematics
9	Zoology	Botany / Biochemistry / Chemistry / Home Science

**Note:** Every students have to choose one major subject while filling online application for admission. Students who are admitted in the college will again have to choose one minor and one multidisciplinary subject before starting regular class. Multidisciplinary subject to be opted by each student may be restricted to English or subject which he/she has not selected as a major or minor subject. The selection of the Minor and Multi-disciplinary subject by the student may be done under the supervision of the respective Departmental NEP Coordinator after the admission.



### 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% of total marks and an end – semester examination carrying 75% of total 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

Criteria (CBCS)	Total marks	Criteria (NEP)	Total marks
Lab activities and record	12 marks	Lab activities and record	20 marks
End-Semester test	8 marks	Regularity in the class	5 marks
Regularity in the class	5 marks		

Attendance evaluation for each course shall be as given in below

Attendance (CBCS)	Attendance (NEP)	Marks
90 % and above	90 % and above	5
85 - 89.9 %	85 - 89 %	4
80 - 84.9 %	80 - 84 %	3
76 - 79.9 %	78 - 79 %	2
75 - 75.9 %	75 - 77 %	1

### THE END-SEMESTER EXAMINATION

For each Course (separately theory and practical) end- semester examinations shall be conducted for 75% of total 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 (CBCS)

- 1) For passing of each course a candidate must secure a minimum of 50% marks 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.

### MINIMUM MARKS FOR PASSING OF A COURSE (NEP)

- 1) Student shall be declared pass if he/she obtains a minimum of 40% separately in the session work and end-semester examinations.
- 2) If a student fails in a particular course, he/she may repeat the same course in any semester.
- 3) Repetation of course(s) shall be only for end-semester examinations.
- 4) Student shall be allowed to progress to the 2nd Year only if he/she clears 50% of the papers/credits required in the 1st Year. Similar pattern will be followed in promotion to subsequent years of study.

### FEES STRUCTURE FOR FIRST YEAR

STREAM	AMOUNT(₹)
B. Sc. and B. Sc Home Science	5640
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

Students are expected to dress in a decent and smart manner within the College Campus. The College T-Shirt is to be worn **every Wednesday** without fail

#### 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](http://www.gzrsc.edu.in)

Email: [contact@gzrsc.edu.in](mailto: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

### DEPARTMENT OF HOME SCIENCE

Sl. No.	Name	Address	Contact Number
1.	Lalsangliani Khawlhing	Mission Veng	9436156743
2.	Lalrinngheti Ralte	Tuikual C	9436159575
3.	Lalsangkimi Hmar	Bethel, Khatla	9436144478
4.	Lalthanpuii Ralte (HOD)	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	Chhingaveng	9436365978
10.	Maria Lalhmingmawii	Durtlang Leitan	9436352652
11.	Mimi Lalmuanawmi	Mission Veng	9612513236
12.	Rebecca Lalnuntluangi	Ramhlun South	9856534459

### DEPARTMENT OF ENGLISH

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

### DEPARTMENT OF CHEMISTRY

Sl. No.	Name	Address	Contact Number
1.	Dr. K.B.Singh(HOD)	Kulikawn	9436354735
2.	Dr. Lalhmingliana Hnamte	Venghlui	9774001563
3.	Dr. Zirlianggura	Ramhlun North	9436156330
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	Ramhlun Venglai	9436196952
2.	Zodinpuii (HOD)	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.	Lalthanpuii Hnamte	RamhlunVengthar	8730975072

### DEPARTMENT OF ZOOLOGY

Sl.No.	Name	Address	Contact Number
1.	Caroline Zaihmingthangi	Dawrpui Vengthar	7085055241
2.	Dr. Lalahawmi Chenkual	Nursery	9436157533
3.	S. Thangrimawii	Venghlui	9436149168
4.	Lalrinmawia	Khatla South	9436140524
5.	H. Lalnunsangi (HOD)	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 Lalhmangaihzuala (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. Lalthanpuii 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.	Nohro Chhuatlo	Ramhlun Venglai	9862650330

### 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	Mission Veng	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.	Zarinpuii	LDC	Venghlui	9862344234
8.	Biakchungnunga	Driver	Khatla South	9862365181
9.	Helen Vanlalruati	G-IV	Republic Veng	9366076280
10.	Lalhuzami	Lab. Bearer	Ramthar Veng	9612366589
11.	P.C. Lalhmangaihthanga	Lab. Bearer	I.T.I. Veng	9862672309
12.	Lalmalsawma	Conductor	Aizawl Venglai	8119948806
13.	Lalthatluanga	G-IV	Durtlang	8794042025
14.	Esther Lalnunpuii	Librarian	Ramhlun North	7005303174
15.	David Sailo	System Assistant	Zemabawk Vengthar	8732077720
16.	C. Lalsangpuii	Typist	College Veng	9612699251
17.	R. Vanlalruati	Typist	Vaivakawn	9436783065
18.	Lalthlanhloi	Lab. Bearer	Khatla South	9615532898
19.	Zairemmawia	Chowkider	Durtlang, Leitan	9366932439
20.	Lalhriattira	Bus Driver	Durtlang, Leitan	8794174076

# PHOTO OF PRACTICAL WORKS



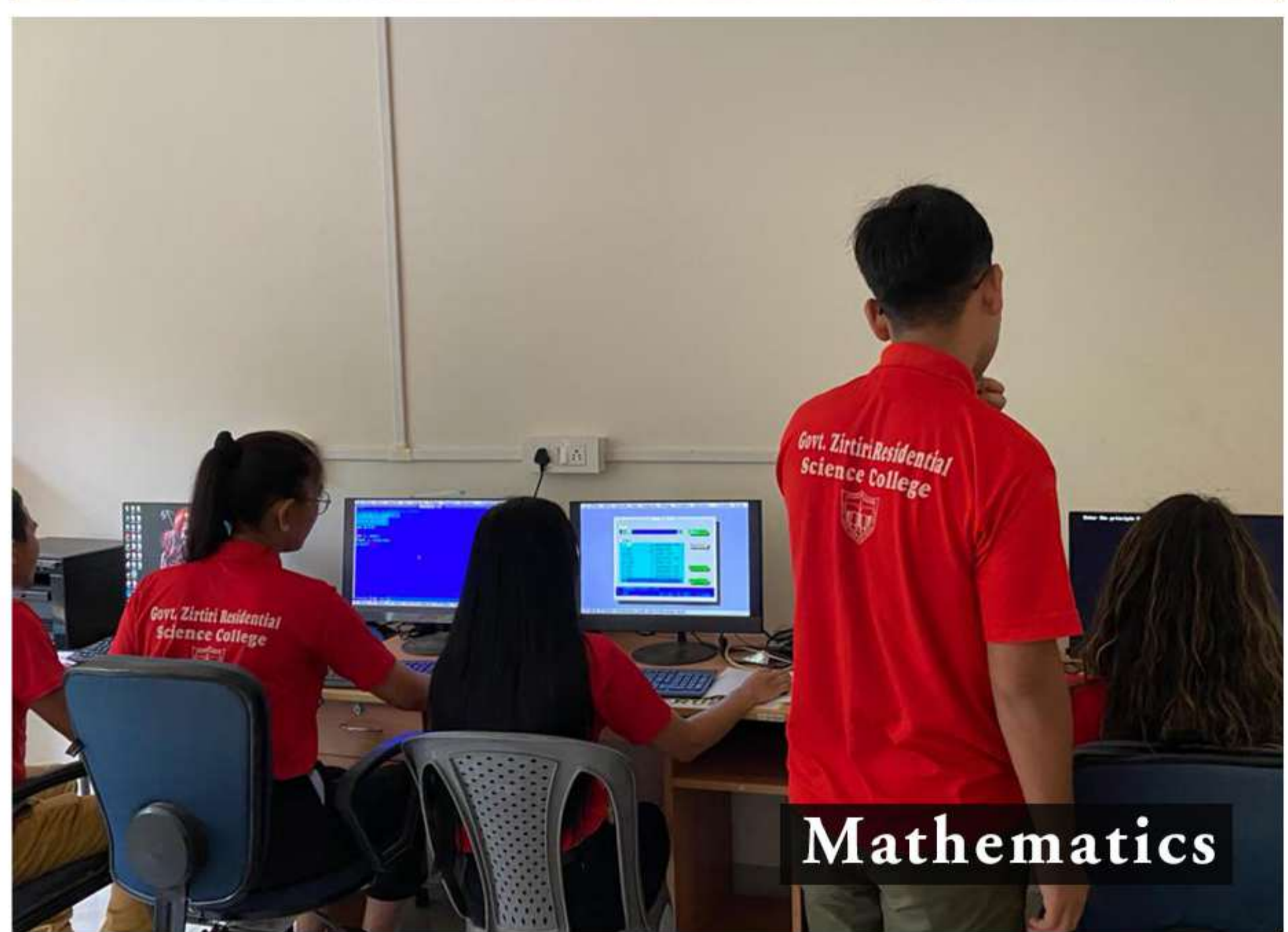
Home Science



Biochemistry



Botany



Mathematics



Physics



Chemistry



Electronics



Zoology



Android App for Digital Microscope



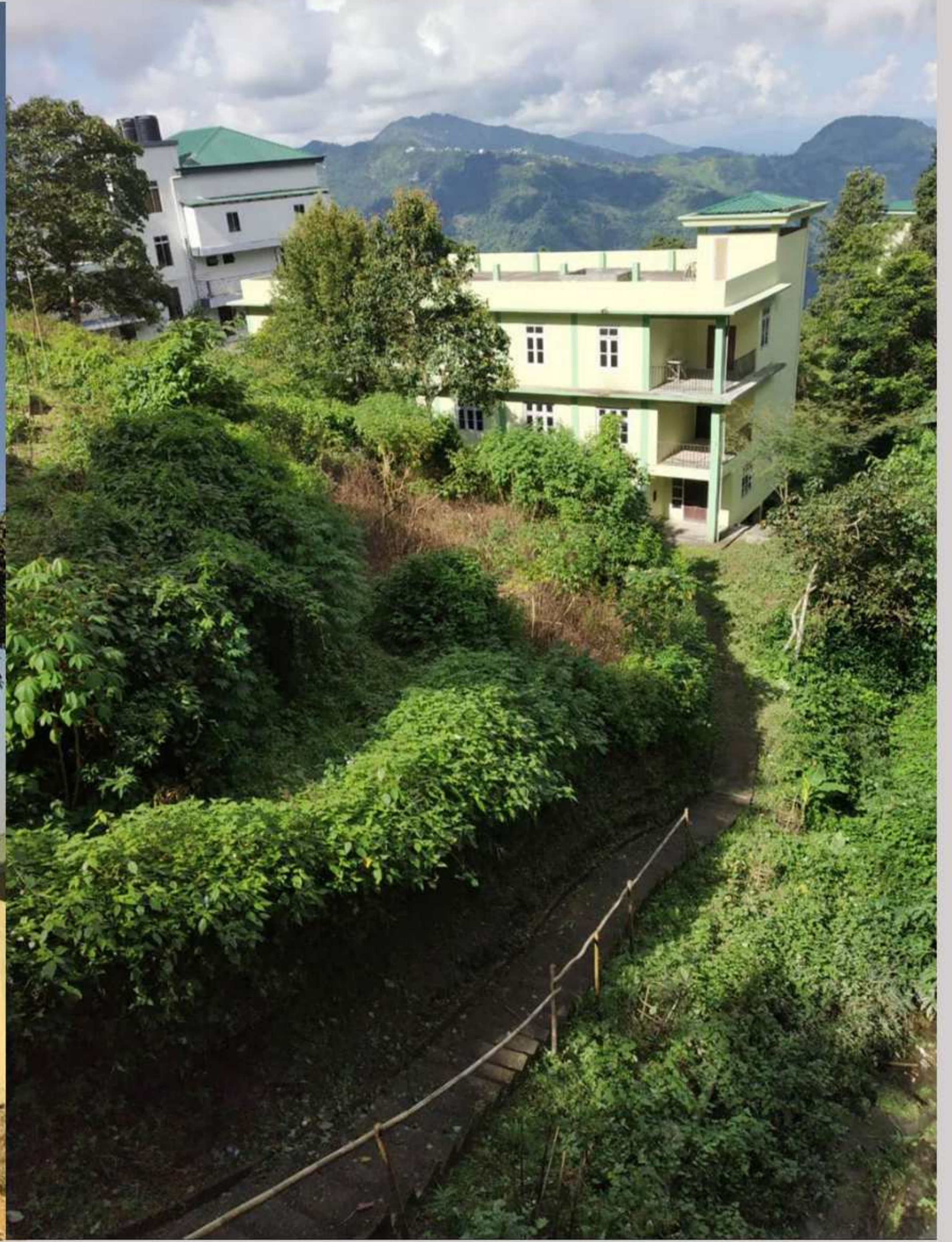
**COMMON ROOM FOR WOMEN**



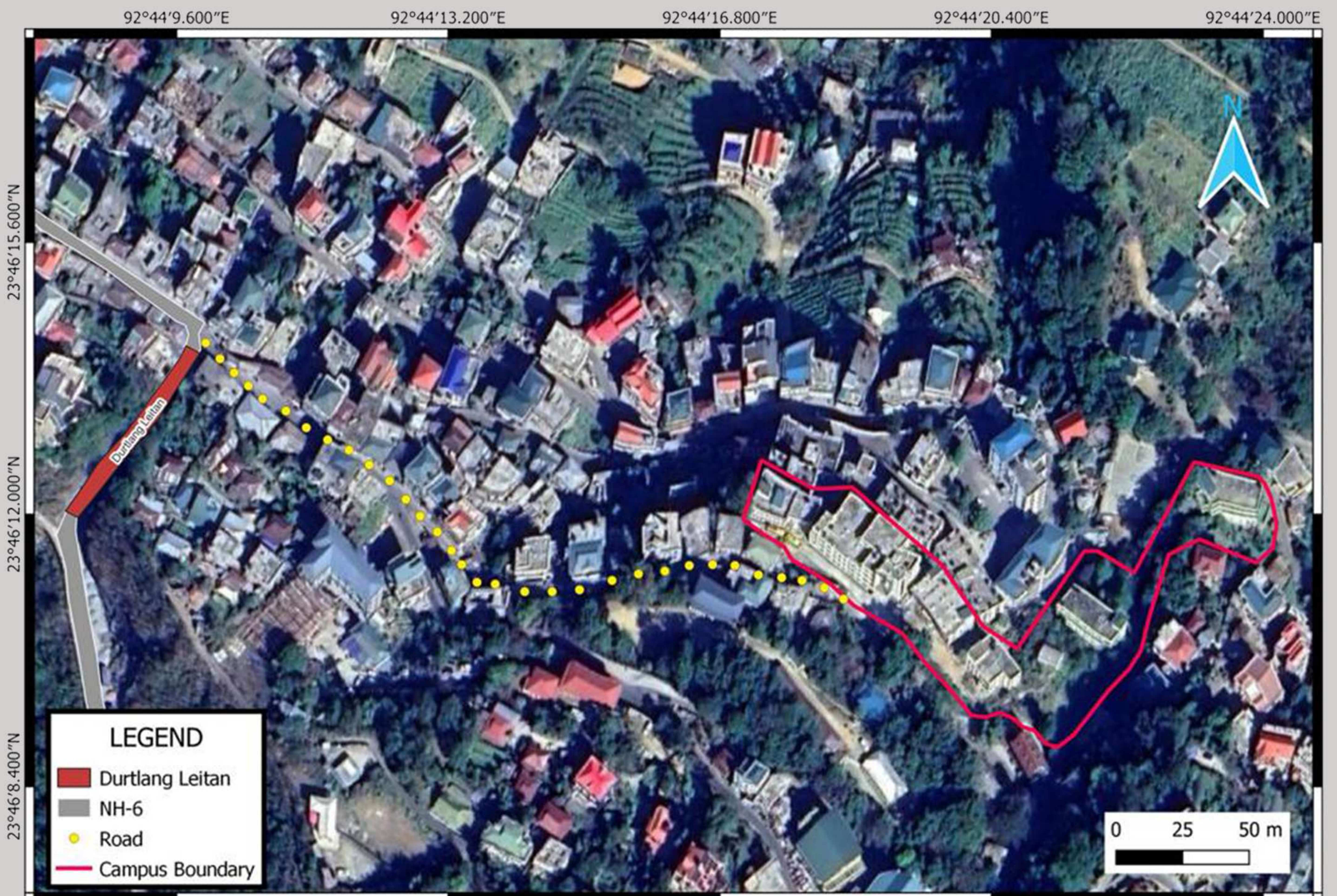
**COLLEGE BUILDING**



**COLLEGE BUILDING**



**BOYS AND GIRLS HOSTEL @ DURTLANG CAMPUS**



**LOCATION MAP OF GOVT. ZIRTIRI RESIDENTIAL SCIENCE COLLEGE**