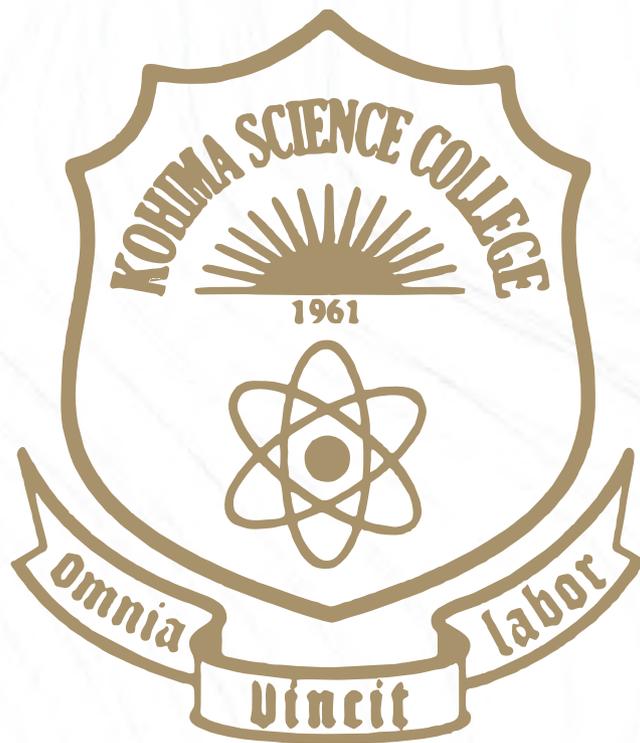


# KOHIMA SCIENCE COLLEGE

AN AUTONOMOUS GOVERNMENT P.G. COLLEGE  
JOTSOMA, KOHIMA - 797002, NAGALAND

# PROSPECTUS 2025

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LABOUR OVERCOMES EVERYTHING

## THE EMBLEM

*designed by*

**LT. KEDUONYÜ SEKHOSÉ | LT. J. B. JASOKIE | LT. AKUM IMLONG  
IN 1962**

bears the rising sun over an atomic structure signifying the aspirations, achievement of mankind in the field of Science.



# FOUNDING MEMBERS

- **DR. NEILHOZHÜ K. ANGAMI**
- **KEDUONYÜ SEKHOSE**
- **U. M. DEB**
- **J. B. JASOKIE**
- **VIZOL ANGAMI**
- **AKUM IMLONG**
- **REV. HAIZOTUO MUNSHI**

# ADVISORY BOARD (BOARD OF GOVERNORS)

- |  |                    |
|--|--------------------|
| Deputy Commissioner, Kohima  | - <b>Chairman</b>  |
| Principal, KSCJ  | - <b>Secretary</b> |
| Smti. Salhoutuonuo Kruse   | - <b>Member</b>    |
| Hon'ble Minister Women Resource & Development, & Horticulture            |                    |
| President & Secretary, Jotsoma Nature Conservation & Eco Tourism Society | - <b>Member</b>    |
| Dr. Vizovol Mekro  | - <b>Member</b>    |
| Mr. Richard Belho  | - <b>Member</b>    |
| Smti. Levi Keor  | - <b>Member</b>    |
| OSD Directorate of Higher Education                                      |                    |
| Prof. Tiatoshi Jamir   | - <b>Member</b>    |
| Dr. Lilongchem Thyüg   | - <b>Member</b>    |
| Dr. Wenyitso Kapfo   | - <b>Member</b>    |



# GOVERNING BODY

Prof. G. T. Thong,

- **Chairperson**

Retd. Senior Professor and former  
Pro Vice Chancellor, Nagaland University

Principal, KSCJ

- **Member Secretary**

Prof. Tiatoshi Jamir (NU Nominee)

- **Member** (UGC Nominee)  
Dept. of History & Archaeology,  
Nagaland University

Prof. Santosh Kumar

Deptt. of Geology, Nagaland University

- **Member** (NU Nominee)

Dr. Watijungshi Jamir,

Retired Addl. Director, Directorate of Higher Education

- **Member**

Dr. V. Tina Khamo, Senior Pathologist and Head  
Health Care and Research Laboratory

- **Member**

Addl. Director Higher Edu. Dept.  
(State Govt. Nominee)

- **Member**

Shri. Keneizhakho Nakho Ex-MLA  
(Industrialist)

- **Member**

Dr. Wenyitso Kapfo (Teachers of college)

- **Member**

Prof. Limatemjen, Dean of Sciences  
(Teachers of College)

- **Member**



# ACADEMIC COUNCIL

Dr. Temjenwabang, Principal

Dr. Lilongchem Thyüg, Coordinator, IQAC

- **Chairman**

- **Member Secretary**

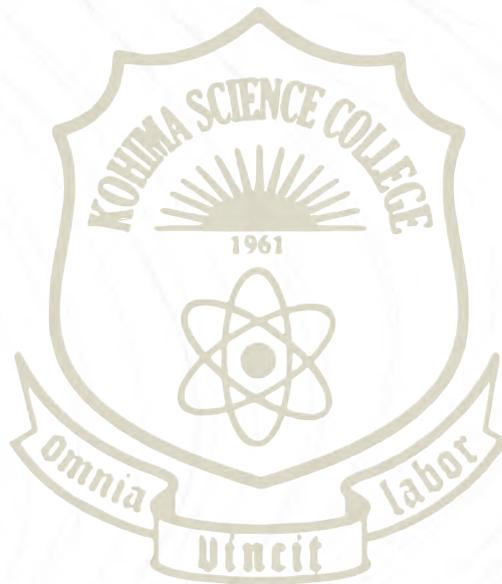
## MEMBERS

ALL HODS IN THE COLLEGE	EXTERNAL EXPERT MEMBERS
Ms. Moasangla Vice principal KSCJ	Mr. Neichüte Doulo, CEO, Entrepreneur Associates
Prof. Limatemjen, Dean of Sciences	Dr. Sedengulie Nagi, Senior Specialist, NHAK
Mr Teisovi Gerard Meyase (Controller of Examinations)	Dr. Hinotoli V. Sema, General Secretary, Alumni Association, KSCJ
Ms. Kevilhuninuo Nagi (Anthropology)	
Dr. Wenyitso Kapfo (Botany)	<b>UNIVERSITY NOMINEES</b>
Dr. K. K. Tiwari (Chemistry)	Prof. Dipak Sinha, Dept. of Chemistry, NU
Dr. Prajadhup Sinha (Computer Science)	Prof. Vikoleno Rino, Dept. of Geology, NU
Dr. Seyiekhrielie Whiso (English)	Prof. Jano Liegise, Dept. of English, NU
Ms. Aleno Doulo (Geology)	<b>REPRESENTATIVE OF DIFFERENT CATEGORIES OF TEACHING STAFF</b>
Ms. Rongdensüngla Lkr. (Geography)	Dr. Vethselo Doulo, Associate Professor
Prof. Hemanta Konwar (Mathematics)	Dr. Sedevikho Chase, Assistant Professor
Dr Chetan Kachhara (Physics)	Dr. Aola Supong, Assistant Professor
Dr. Pallab Changkakoti (Statistics)	
Ms. Vizomenuo Merlyn Yhome (Tenyidie)	
Dr. Anungla Pongener (Zoology)	



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# Message

## FROM THE PRINCIPAL



**DR. TEMJENWABANG**

Principal  
Kohima Science College, Jotsoma

The National Education Policy (NEP 2020) envisions an education system rooted in Indian ethos that contributes directly to transforming India sustainably into an equitable and vibrant society by providing high-quality education to all and thereby making India a global knowledge superpower. It envisages a broad-based multidisciplinary holistic education at the undergraduate level which will help develop well-rounded individuals equipped with 21<sup>st</sup> century critical skill.

In accordance with the NEP2020 the university Grants Commission (UGC) has formulated a new student centric curriculum and credit framework for undergraduate program incorporating a flexible choice-based credit system, multidisciplinary approach and multiple entry and exit option which will facilitate students to pursue a career path by choosing the subject or field of their interest.

Accordingly, Kohima Science College (Autonomous) has implemented Four Year Under Graduate Programme (FYUGP) from the 2024-25 academic session. The FYUGP will give learners the opportunity to experience the full range of holistic and multidisciplinary education in addition to their chosen major and minor subject as per their choice. This new curriculum will offer a multiple entry and exit points and re-entry option with appropriate certification.

It is important to keep pace with the change of time and the remarkable changes occurring in the higher education landscape. Accordingly, the transition of our education system towards interdisciplinary and multidisciplinary studies has prompted us to enter into collaboration with many other institution and industries for academic collaborations and internship programmes so that our students are updated with the contemporary knowledge and skills of the time.

As we witness the implementation of NEP2020, let us remain hopeful about the positive impact that FYUGP will have in the lives of our young minds and shape a better education system in the region and the country at large.



# College

## PROFILE

### BACKGROUND

Kohima Science College, Jotsoma, established in 1961, is recognized under section 2(f) and 12(B) of the UGC act, 1956. In 2021 the teaching level of the college was upgraded from Bachelor's to Master's degree in the list of colleges included under section 2(f) & 12(B) of the UGC act, 1956. The college has undergone three cycles of accreditation by NAAC in 2011, 2017 & 2022 with CGPA scores of 3.05 (Grade A), 3.42(Grade A+) and 2.91 (Grade B++) respectively. The college was granted Autonomy by UGC in 2014. Consequently, this enabled the college to introduce the Choice-Based Credit System (CBCS) curriculum in 2016 and the National Education Policy (NEP 2020) in 2024. The college has participated in the National Institutional Ranking Framework (NIRF) 2025 and is actively working towards the next autonomy extension.

The state of Nagaland has gone through many phases throwing up new challenges. There has been a steady rise towards literacy, increase in science and allied services, a deeper realization of the need for equal opportunity, the importance of cost-cutting to make education more inclusive, top end research, and intellectual property rights. These are expectations and obligation not easy to fulfill, but with continuous support and diligence from all stakeholders KSCJ will continue to write its story of success.

As one of the state's finest colleges, Kohima Science College has been trying its best in giving inclusive and affordable education to the people. The stake holders are aware that the college has the potential to deliver more and serve the people of the state and the region in a much bigger way. The college continues to work hard towards this goal.





## LOCATION

Kohima Science College is located about 8 km west of Kohima, at Jotsoma village. Kohima is 74 km from Dimapur, Nagaland's only railway station and airport. Situated at an altitude of 1671 meters, the campus is nestled among the serene and evergreen Japanese cedars and the lovely cherries. It commands a panoramic view of Kohima town on the east, while Mt. Pulie Badze and the other undulating hills of the Barail range present a lush green tropical ambience on the south-west providing a natural serenity conducive for study.

## VISION

**TO IMPACT THE SOCIETY AS A PREEMINENT INSTITUTION OF TEACHING, LEARNING, RESEARCH, INNOVATION AND LEADERSHIP.**

## MISSION STATEMENT

Kohima Science College, Jotsoma was founded in 1964 with a mission to encourage and impart science education, and has since remained a preeminent college in the state of Nagaland and the N.E. India. With the changing times, the college has remodeled its mission to respond to the emerging needs of the contemporary society by expanding its focal area yet retaining its focus on the original mission. Our vision is built on the following pillars of mission-specific actions:

- Develop and maintain high academic standards in terms of curricula content and teachers' academic proficiency in accordance with the changing academic and social benchmarks while being firmly anchored in immutable moral values.
- Adopt student-centric policies to foster academic excellence, innovation and entrepreneurship. Promote student leadership, talents and social engagement with international outlook yet weaned in an environment of respect for regional ethos and cultural identities.
- Carry out creative and socially relevant research among faculty and students to create a database of knowledge for the state and the society at large with focus on efficient technology transfer.
- Institutionalize innovative and best practices in the workplace by creating transparent and decentralized working environment that promotes shared vision and spirit of teamwork amongst the students and the faculty members.



## UNDERGRADUATE CERTIFICATE, DIPLOMA & DEGREE PROGRAMME FOR SCIENCE AND ARTS

The National Education Policy (NEP) 2020 states, “Assessments of educational approaches in undergraduate education that integrate the humanities and arts with Science Technology, Engineering and Mathematics (STEM) have consistently shown positive learning outcomes, including increased creativity and innovation, critical thinking and higher-order thinking capacities, problem-solving abilities, teamwork, communication skills, more in-depth learning and mastery of curricula across fields, increases in social and moral awareness, etc besides general engagement and enjoyment of learning”

In accordance with the NEP 2020 and guidelines laid down by UGC, the college has already implemented the new curriculum framework from 2024-2025 academic session. UGC has formulated a new student-centric “Curriculum and Credit Framework for Undergraduate Programmes (CCFUP)” incorporating a flexible choice-based credit system, multidisciplinary approach, and multiple entry option. For the same, each student has their own Academic Bank of Credit (ABC) which enhances flexibility and mobility of students in higher education. This will facilitate students to pursue their career path by choosing the subject/field of their interest.

The college offers Four Year Undergraduate Programme (FYUGP) with multiple entry, exit points and re-entry options, with appropriate certification such as:

**UG CERTIFICATE:** Students who opt to exit after completion of the first year and have secured 40 credits will be awarded a UG certificate. These students are allowed to re-enter the degree programme within three years and complete the degree programme within the stipulated maximum period of seven years.

**UG DIPLOMA:** Students who opt to exit after completion of the second year and have secured 80 credits will be awarded the UG diploma. These students are allowed to re-enter within a period of three years and complete the degree programme within the maximum period of seven years.

**3-year UG Degree:** Students who wish to undergo a 3-year UG programme will be awarded UG Degree in the major discipline after successful completion of three years, securing 120 credits

# ACADEMICS-I



satisfying the minimum credit requirement.

**4-year UG Degree (Honours):** A four-year UG Honours degree in the major discipline will be awarded to those who complete a 4-year UG degree programme with 160 credits and have satisfied the credit requirements.

**4-year UG Degree (Honours with Research):** Students who secure 75% marks and above in the first six semesters and wish to undertake research at the undergraduate level can choose a research stream in the fourth year. They should do a research project or dissertation under the guidance of a faculty member of the university/College. The research project/dissertation will be in the major discipline. The students, who secure 160 credits, including 12 credits from a research project / dissertation, are awarded UG Degree (Honours with Research).

**Note: One Internship Programme of 4 credits will be mandatory for the award of any of the above mentioned courses.**

## SUBJECT, COURSE STRUCTURE & COURSE OFFERED

Any one of the following stream may be opted as Core Subject.

- |                         |            |
|-------------------------|------------|
| 1. (a) Anthropology BSc | – 52 seats |
| (b). Anthropology BA    | – 13 seats |
| 2. Botany               | – 75 seats |
| 3. Chemistry            | – 75 seats |
| 4. (a) Geography B.Sc   | – 35 seats |
| (b) Geography B.A       | – 30 seats |
| 5. Geology              | – 65 seats |
| 6. Mathematics          | – 75 seats |
| 7. Physics              | – 75 seats |
| 8. Statistics           | – 65 seats |
| 9. Zoology              | – 75 seats |
| 10. Computer Science    | – 65 seats |
| 11. English             | – 50 seats |
| 12. Tenyidie            | – 30 seats |



**Structure of the UG Programme showing Semester-wise and  
Broad Course Category-wise Distribution of credits.**

Semester	Discipline Specific Courses - Core	Minor	Multi-disciplinary courses	Ability Enhancement courses (language)	Skill Enhancement courses /Internship /Dissertation	Common Value-Added Courses	Total Credits
I	MJ-1 (4 Credits)	MN-1 (4 Credits)	MDC-1 (3 Credits)	AEC-1 (3 Credits)	SEC-1 (3 Credits)	VAC-1 (3 Credits)	20
II	MJ-2 (4 Credits)	MN-2 (4 Credits)	MDC-2 (3 Credits)	AEC-2 (3 Credits)	SEC-2 (3 Credits)	VAC-2 (3 Credits)	20
<b><i>Students exiting the programme after securing 40 credits will be awarded UG Certificate in the relevant Discipline /Subject provided they secure 4 credits in work based vocational courses offered during summer term or internship / Apprenticeship in addition to 6 credits from skill-based courses earned during first and second semester.</i></b>							40
III	MJ-3 MJ-4 (8 Credits)	MN-3 (4 Credits)	MDC-3 (3 Credits)	AEC-3 (2 Credits)	SEC-3 (3 Credits)	-	20
IV	MJ-5 MJ-6 MJ-7 MJ-8 (16 Credits)	MN-4 (4 Credits)	-	-	-	-	20
<b><i>Students exiting the programme after securing 80 credits will be awarded UG Diploma in the relevant Discipline /Subject provided they secure additional 4 credits in skill based vocational courses offered during first year or second year summer term.</i></b>							80
V	MJ-9 MJ-10 MJ-11 (12 Credits)	MN-5 (4 Credits)	-	-	Internship (4 credits)	-	20
VI	MJ-12 MJ-13 MJ-14  MJ-15 (16 Credits)	MN-6 (4 Credits)	-	-	-	-	20
<b><i>Students who want to undertake 3-year UG programme will be awarded UG Degree in the relevant Discipline /Subject upon securing 120 credits</i></b>							120
VII	MJ-16 MJ-17 MJ-18 MJ-19 (16 Credits)	MN-7 (4 Credits)	-	-	-	-	20
VIII	MJ-20 (4 Credits)	MN-8 (4 Credits)	-	-	MJ-21 MJ-22 MJ-23 or [Research Project/ Dissertation](12 credits)		20
<b><i>Students will be awarded UG Degree (Honours) with Research in the relevant Discipline /Subject provided they secure 160 credits</i></b>							160



## MULTIDISCIPLINARY COURSES (MDC)

<b>1<sup>ST</sup> SEMESTER</b>	
<b>Sl. No.</b>	<b>NAME OF COURSE</b>
1.	Traditional knowledge system I (Anthropology, Botany & Zoology)
2.	Holistic Perspective to the study of Human Beings (Anthropology)
3.	Bonsai Technique (Botany)
4.	Chemistry in Daily Life (Chemistry)
5.	Office Automation Tools (Comp Sc.)
6.	Introductory Mathematics(Mathematics)
7.	General Physics-I (Physics)
8.	Introduction to Atmosphere Physics (Physics)
9.	Statistical Method (Statistics)
10.	Wildlife Conservation and Management I (Zoology)
11.	National Cadets Corps I

<b>2<sup>nd</sup> SEMESTER</b>	
<b>Sl. No.</b>	<b>NAME OF COURSE</b>
1.	Traditional knowledge system II (Anthropology, Botany & Zoology)
2.	Sports Anthropology (Anthropology)
3.	Field and Herbarium Methods (Botany)
4.	Inorganic Materials of Industrial Importance(Chemistry)
5.	Cyber Security Fundamentals (Comp Sc.)
6.	Quantitative Aptitude (Mathematics)
7.	General Physics-II (Physics)
8.	Introduction to Astronomy (Physics)
9.	Testing of Hypothesis (Statistics)
10.	Wildlife Conservation and Management II (Zoology)
11.	National Cadets Corps II

<b>3<sup>rd</sup> SEMESTER</b>	
<b>Sl. No.</b>	<b>NAME OF COURSE</b>
1.	Human Ecology: Biological and Cultural Dimensions (Anthropology)
2.	Natural Resource Management (Botany)
3.	Green Chemistry (Chemistry)
4.	Fundamentals of Graphic Designing (Comp Sc.)
5.	Vector Algebra (Mathematics)
6.	Introduction to Nano Physics (Physics)
7.	Water Science (Physics)
8.	Applied Statistics (Statistics)
9.	Fundamentals of Life Science (Zoology)
10.	National Cadet Corps III



### ABILITY ENHANCEMENT COURSES (AEC)

<b>1<sup>st</sup> Semester</b>	
<b>SL NO</b>	<b>NAME OF COURSE</b>
1	AEC-1 English Communication
2	AEC-1 Noudodze

<b>2<sup>nd</sup> Semester</b>	
<b>SL NO</b>	<b>NAME OF COURSE</b>
1	AEC-2 Language, Literature, & Creativity
2	AEC-2 Tenyidie Communication

<b>3<sup>rd</sup> Semester</b>	
<b>SL NO</b>	<b>NAME OF COURSE</b>
1	AEC-3 SWAYAM
2	AEC-3 Geizo mu Kelhouzho (Tenyidie)

### VALUE ADDED COURSES (VAC)

<b>1<sup>st</sup> Semester</b>	
<b>SL NO</b>	<b>NAME OF COURSE (Common)</b>
1	Environmental Science

<b>2<sup>nd</sup> SEMESTER</b>	
<b>Sl. No.</b>	<b>NAME OF COURSE</b>
1.	Tourism Anthropology (Anthropology)
2.	Organic Farming (Botany)
3.	Indian Textiles (Chemistry)
4.	E-Commerce Technologies (Comp Sc)
5.	Indian Knowledge System (Comp Sc)
6.	Creative writing (English)
7.	Indian Traditional Knowledge (Geography)
8.	Mineral Resources of Nagaland (Geology)
9.	Mathematics for Competitive Examination (Mathematics)
10.	Vedic Mathematics (Mathematics)
11.	Foundation course in Indian Knowledge system (Physics)
12.	Indian Culture and Civilization (Statistics)
13.	Healthcare System and Policies (Statistics)
14.	Keshürho Mhasi (Tenyidie)
15.	Food, Nutrition and Health (Zoology)



## RESERVATION

### 1. College Reservation

- a. ST : 80%
- b. General: 10%
- c. SC, ST, & OBCs (other States): 4%
- d. Non-local Indigenous inhabitant of Nagaland, domiciled inhabitants of the State, State/Central govt employees, military/paramilitary forces on the basis of merit: 3%
- e. PWD (Divyangjan): 3%
- f. International Students: 2 (Two) supernumerary seats in each department

### 2. Special Reservation

- a. Alumni Quota : 2 seats
- b. Land Owners' Quota : 5 seats
- c. Founding Members' Quota : 7 seats
- d. Sports Quota : 5 seats
- e. Backward Tribes of Nagaland (Inclusive of the 80% reservation for ST of Nagaland) : 2 seats (each department)

## ELIGIBILITY

XII passed or equivalent from a recognized Board with a minimum of 45% in aggregate and with the following conditions if an applicant wishes to take up Major subject:

- a) 45% in the subject in which one desires to take up Major.
- b) 45% in Biology to take up Major in Botany or Zoology.
- c) For Major in Physics and Statistics, one should pass in class XII Mathematics.

# ADMISSION PROCEDURE: B.SC. /B.A.

### APPLICATION

All information regarding admission to B.Sc./B.A. can be accessed from the website: [admission.kscj.ac.in](http://admission.kscj.ac.in). The website will share details like Prospectus for 2025, links for filling up application form, taking admission and making payment, etc.

While filling up application form, you might have to upload some of or all the following documents:

- a) HSLC Examination Admit Card
- b) HSSLC Examination Mark Sheet
- c) ST Certificate
- d) Backward Tribe Certificate
- e) Colour Photo with white background
- f) Gap Certificate (for those applying after a gap of one year or more after passing the last qualifying examination)

### SELECTION

Selection for admission to B.Sc./ B.A. will be done strictly on merit, based on the marks obtained in class 12/HSSLC (equivalent) examinations. The decision of the admission committee will final and binding.



## ADMISSION

At the time of admission a candidate must produce the following documents in original of the last qualifying examination:

- Mark Sheet
- Admit Card
- Pass Certificate
- Migration Certificate (for a candidate from another Board) for registration into Nagaland University.
- SC/ST/OBC/PWD/BT Certificate/s
- Transfer Certificate

**N.B. :** If a candidate fails to get admitted on the specified dates and time his/her selection is forfeited.

# FEE STRUCTURE FOR B.A./B.SC. STUDENTS

Sl. No.	Particular	Revenue for	Annual/ Semester	Amount
1.	Registration Fee	College	One time	200.00
2.	Library Security Deposit (refundable )	College	One time	1,000.00
3.	Admission Fee	Government	Semester	700.00
4.	Tuition Fee	Government	Semester	500.00
5.	Library	Government	Semester	500.00
6.	Enrolment Fee	College	Semester	50.00
7.	Library Development	College	Semester	800.00
8.	Development Fee	College	Semester	1,000.00
9.	Internal Examination	College	Semester	250.00
10.	Session Fee	College	Semester	100.00
11.	IT	College	Semester	200.00
12.	IQAC	College	Semester	200.00
13.	Laboratory Fee	College	Semester	1500.00 for English, Mathematics & Tenyidie 2000.00 for other department
14.	Bus	College	Annual	1000.00
15.	Identity Card	College	Annual	100.00
16.	Electricity	College	Annual	500.00
17.	Water	College	Annual	200.00
18.	Monthly Bulletin	College	Annual	50.00
19.	Students' Handbook	College	Annual	50.00
20.	Games and Sports	College	Annual	150.00
21.	Magazine	College	Annual	150.00
22.	Common Room	College	Annual	50.00
23.	Fresher's/Parting Social	College	Annual	500.00
24.	Students' Union	College	Annual	100.00
25.	Different Clubs	College	Annual	50 (10.00 per club)

### Uniform

1.	College Blazer, Tie & Crest and T. Shirt	One Time	2,500.00
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## Hostel

Sl. No.	Particular	Revenue for	Annual/ Semester	Amount
1.	Admission	Government	Annual	100.00
2.	Seat Rent	Government	Annual	240.00
3.	Security Deposit (refundable)	College	One Time	2,000.00
4.	Hostel Maintenance	College	Annual	1000.00
5.	Electricity	College	Annual	600.00
6.	Water	College	Annual	200.00
7.	Games and Sports	College	Annual	100.00
8.	Medical Fee	College	Annual	100.00
			Total	4340.00





## MASTER OF SCIENCE

The Master programme will be a two-year programme spread over four semesters leading to the award of the degree (M.Sc.). The programme is offered in the departments of Anthropology, Botany, Chemistry, Geology, Mathematics, Physics and Zoology and is in response to an acutely felt need of the society to have a wider avenue for students who aspires to pursue higher studies in Nagaland. The programme will not only expose the students to the latest trends but will also introduce them to the functional areas in their respective disciplines with a considered blend of theory and practice. The programme will also prepare the students for further research, innovation and any other relevant activities in their respective field of study.

### SEATS

1. Anthropology	- 18
2. Botany	- 17
3. Chemistry	- 18
4. Geology	- 15
5. Mathematics	- 20
6. Physics	- 15
7. Zoology	- 20

### RESERVATION

College Reservation

- a. ST : 80%
- b. General: 10%
- c. SC, ST, & OBCs (other States): 4%
- d. Non-local Indigenous inhabitant of Nagaland, domiciled inhabitants of the State, State/Central govt employees, military/paramilitary forces on the basis of merit: 3%
- e. PWD (Divyangjan): 3%
- f. International Students:  
2 (Two) supernumerary seats in each department

### ELIGIBILITY

Any student having 45% marks in B.Sc. honours or 60% aggregate in B.Sc. general from a recognized university/institution is eligible to apply for the M.Sc. programme.

# ACADEMICS-II



# SCHEME FOR CHOICE BASED CREDIT SYSTEM

## M.SC. (ALL DEPARTMENT)

SEMESTER	CORE COURSE	CREDITS	DISCIPLINE SPECIFIC ELECTIVE (DSE)	CREDITS
I	Core 1	4 (Theory) + 2 (Practical) OR 5 (Theory) + 1 (Tutorial)	---	---
	Core 2	4 (Theory) + 2 (Practical) OR 5 (Theory) + 1 (Tutorial)	---	---
	Core 3	4 (Theory) + 2 (Practical) OR 5 (Theory) + 1 (Tutorial)	---	---
	Core 4	4 (Theory) + 2 (Practical) OR 5 (Theory) + 1 (Tutorial)	---	---
II	Core 5	4 (Theory) + 2 (Practical) OR 5 (Theory) + 1 (Tutorial)	---	---
	Core 6	4 (Theory) + 2 (Practical) OR 5 (Theory) + 1 (Tutorial)	---	---
	Core 7	4 (Theory) + 2 (Practical) OR 5 (Theory) + 1 (Tutorial)	---	---
	Core 8	4 (Theory) + 2 (Practical) OR 5 (Theory) + 1 (Tutorial)	---	---
III	Core 9	4 (Theory) + 2 (Practical) OR 5 (Theory) + 1 (Tutorial)	DSE 1	4 (Theory) + 2 (Practical) OR 5 (Theory) + 1 (Tutorial)
	Core 10	4 (Theory) + 2 (Practical) OR 5 (Theory) + 1 (Tutorial)	DSE 2 / Field Work	4 (Theory) + 2 (Practical) OR 5 (Theory) + 1 (Tutorial) OR 6 (Field Work)
IV	Core 11	4 (Theory) + 2 (Practical) OR 5 (Theory) + 1 (Tutorial)	DSE 3	4 (Theory) + 2 (Practical) OR 5 (Theory) + 1 (Tutorial)
	Core 12	4 (Theory) + 2 (Practical) OR 5 (Theory) + 1 (Tutorial)	DSE 4 / Dissertation	4 (Theory) + 2 (Practical) OR 5 (Theory) + 1 (Tutorial) OR 6 (Dissertation)



# ADMISSION PROCEDURE: M.SC

## APPLICATION

All information regarding admission to M.Sc. can be accessed from the website: [admission.kscj.ac.in](http://admission.kscj.ac.in). The website will share details like Prospectus for 2025, links for filling up application form, taking admission and making payment, etc. While filling up application form, you might have to upload some of or all the following documents:

- a) HSLC Examination Admit Card
- b) B.Sc. Mark Sheets (All mark sheets including the final transcript)
- c) ST Certificate
- d) Colour Photo with white background
- e) Gap Certificate (for those applying after a gap of one year or more after passing the last qualifying examination)

## SELECTION

Admission to the MSc programme shall be made on the basis of the candidate's performance in the entrance test/interview conducted by the concerned department, and his/her marks in the concerned subject at the undergraduate level. The weightage for these two criteria is 50% each.

## ADMISSION

At the time of admission a candidate must produce the following documents in original of the last qualifying examination:

- a) Mark Sheet
- b) Admit Card
- c) Pass Certificate
- d) Migration Certificate (for a candidate from other Universities)
- e) SC/ST/OBC/PWD Certificate(s)
- f) Transfer Certificate



# FEE STRUCTURE

## FOR M.SC. STUDENTS

SL NO	Particulars	Revenue for	Annual/semester	Amount
1	Registration Fee	College	One Time	200.00
2	Library Security Deposit (refundable )	College	One Time	1,000.00
3	Admission Fee	Government	Semester	700.00
4	Tuition Fee	Government	Semester	500.00
5	Library	Government	Semester	500.00
6	Enrolment Fee	College	Semester	50.00
7	Library Development	College	Semester	800.00
8	Development Fee	College	Semester	1,000.00
9	Internal Examination	College	Semester	250.00
10	Session Fee	College	Semester	100.00
11	IT	College	Semester	200.00
12	IQAC	College	Semester	200.00
13	Laboratory Fee	College	Semester	7500.00 (Botany, Chemistry, Physics & Zoology ) 6000.00 (Anthropology & Geology) 5000.00 (Mathematics)
14	Bus	College	Annual	1000.00
15	Identity Card	College	Annual	100
16	Electricity	College	Annual	500.00
17	Water	College	Annual	200.00
18	Monthly Bulletin	College	Annual	50.00
19	Students' Handbook	College	Annual	50.00
20	Games and Sports	College	Annual	150.00
21	Magazine	College	Annual	150.00
22	Common Room	College	Annual	50.00
23	Freshers'/Parting Social	College	Annual	500.00
24	Students' Union	College	Annual	100.00
25	Different Clubs	College	Annual	50 (10.00 per club)
<b>UNIFORM</b>				
1	College Blazer, Tie & Crest and T. Shirt		One Time	2,500.00

### ALUMNI P.G. WOMEN HOSTEL

SL NO	Particulars	Annual/Semester	Amounts
1	Admission	Annual	1000.00
2	Accommodation	Annual	6000.00
3	Hostel Maintenance	Annual	4500.00
4	Security Deposit	One-Time	2000.00
5	Miscellaneous	Annual	500.00
<b>TOTAL .</b>			<b>14000.00</b>

**Note:** In the event of admission withdrawal, fees shall be refunded as per latest UGC notification.



# ADMISSION PROCEDURE: PH.D

## ELIGIBILITY

Any student having 55% marks in M.Sc. for general candidates or 50% for SC/ST/PWD candidates from a recognized university/institution is eligible to apply for the Ph.D. programme.

## APPLICATION

Prescribed application form along with the Prospectus can be obtained from the college. The duly filled application must contain the following:

One attested photocopy of Admit Card, Pass Certificate and Mark Sheet of M.Sc. or equivalent examination.

## SELECTION

Admission to the Ph.D. programme shall be made on the basis of the candidate's performance in the entrance test/interview conducted by the concerned department, and his/her marks in the concerned subject at the postgraduate level. The weightage for these two criteria is 50% each.

## ADMISSION

At the time of admission a candidate must produce the following documents in original of the last qualifying examination:

- a) Mark Sheet
- b) Admit Card
- c) Pass Certificate
- d) Migration Certificate (for a candidate from other Universities)
- e) SC/ST/OBC/PWD Certificate/s

*N.B.: If a candidate fails to get admitted on the specified dates and time his/her selection is forfeited.*

Ph.D. programme is offered by the Departments of Botany, Chemistry, Mathematics, Physics and Zoology. For the award of degree, candidates shall strictly adhere to the prescribed norms laid down by the UGC.

# ACADEMICS-III



# FEE STRUCTURE

## FOR PH.D STUDENTS

SL NO	Particulars	Revenue for	Annual/semester	Amount
1	Registration Fee	College	One Time	200.00
2	Library Security Deposit (refundable)	College	One Time	1,000.00
3	Course Work Fee	College	One Time	5,000.00
4	Admission Fee	Government	Semester	700.00
5	Tuition Fee	Government	Semester	500.00
6	Library	Government	Semester	500.00
7	Enrolment Fee	College	Semester	50.00
8	Library Development	College	Semester	1,000.00
9	Development Fee	College	Semester	1,000.00
10	Session Fee	College	Semester	100.00
11	IT	College	Semester	200.00
12	IQAC	College	Semester	200.00
13	Laboratory Fee	College	Semester	5,000.00
14	Bus	College	Annual	1000.00
15	Identity Card	College	Annual	100 .00
16	Electricity	College	Annual	500.00
17	Water	College	Annual	200.00
18	Monthly Bulletin	College	Annual	50.00
19	Games and Sports	College	Annual	150.00
20	Magazine	College	Annual	150.00
21	Common Room	College Government	Annual	50.00
TOTAL				17,150.00

### Please Note:

- I. Fee- In the event of admission withdrawal, fees shall be refunded as per latest UGC notification.
- ii. Fees are subject to change without prior notice.
- iii. Thesis evaluation fee (Ph.D. program) shall be collected at a later date.

## QUALITY CONTROL

The Principal chairs the Internal Quality Assurance Cell (**IQAC**) which comprises the Vice Principal, Heads of Departments and other members. The Cell plans and monitors measures to improve the quality of education. Some broad strategies of the cell are:



### a) INTERNAL ASSESSMENT

Continuous assessment of the students is done by the college through the weekly tests, assignments, and projects. Three weekly tests are conducted in each subject for all the classes during a semester. Failure to pass in at least two of these will debar a student from taking the selection/end semester examination.

### b) MENTORING CELLS

Each teacher is assigned a number of students to form a Mentoring Cell. The teacher is charged with the responsibility to monitor the progress of his/her ward.

### c) ATTENDANCE

A student is required to have at least 80% attendance to be able to take the end semester examinations. Attendance is strictly monitored by the college administration and a student is debarred from appearing the said examinations if the required norm is not attained. Also proxy attendance is a serious and punishable offence.

### d) KSCJ APP

The college has developed its own customized application 'KSCJ APP' which is the first of its kind developed by any higher education institution in the state. The app will enable easy information dissemination, event management and report generation of various events in the college. All students, staff and alumni are required to register in the application.

## GENERAL NORMS

- 1) The uniform is compulsory for every student. The blazer & tie is worn on Fridays and on any important occasion of the college. The T-shirt is worn on Tuesdays. Students are expected to respect the college uniform and the crest, and also wear the uniform with matching/appropriate trousers/skirt and shoes. The college discourages wearing blazer and/or tie with slippers or floaters, and low-cut trousers/jeans.
- 2) Each student is issued a college Identity cum Library Card.
- 3) Transfer Certificate is issued after the student applies and surrenders the student Identity Card. However, students wishing to take a TC during the year shall have to apply along with the following:
  - a) Identity cum Library Card
  - b) Clearance Certificate from:
    - i) HOD (Laboratory)
    - ii) Librarian
    - iii) Hostel Superintendent (For Boarders)
    - iv) NCC Officer (For Cadets)
- 4) Immoral activities, public display of affection, and destructive acts including academic misconduct are strictly banned in the campus. A student guilty of any of these acts is liable to be expelled from the hostel and/or the college without any warning.
- 5) Smoking and use of intoxicants are strictly forbidden in the college campus, and in the college buses.
- 6) Communal and tribal harmony is to be preserved and promoted in the college.
- 7) On joining the college each student is given the Handbook for Students. Students are responsible for reading this handbook and become familiar with its contents. Not knowing the contents does not preclude the student from being governed by the information provided.



# KNOWLEDGE AND LEARNING RESOURCES

## LIBRARY

The central library has adequate infrastructure to cater to the needs of the users and being centrally located, it is easily accessible by all the members of the college. The central library acts as both an intellectual and physical focal point of the campus and has a large repository of books, scientific journals (both national and international), magazines, newspapers, question papers, project reports and dissertations. The college also has departmental libraries to cater to the needs of the students and faculty.

**1. Book-Bank:** Apart from the regular borrowing of books, the library also provides the additional book loan facility for its users from the book-bank depository where the users are issued books from the book-bank for a period of one semester.

**2. Online Resources:** The central library subscribes to the online resources namely **INFLIBNET-NLIST** (National Library and Information Services Infrastructure for Scholarly Content) and **KNimbus Digital Library**. Through these portals, the registered user can get access to multiple numbers of information free of cost anywhere and at any time. Through these platforms, users can get access to various e-resources which can supplement additional informations that may not be available in the college library.

**3. Internet:** The library is equipped with good internet connection which can be accessed freely for academic purposes. The library also has a cyber-section where the users are allowed to do their computer work and also to access the internet, supported by 10 PCs.

**4. Reprography:** The library also provides reprography services at a minimal cost to its users.

**5. Plagiarism:** To ensure that the work of the scholars, researchers, students and faculty are free from duplicated content, the college has the access to plagiarism-checker software called "Turnitin Similarity". <https://kscj.turnitin.com>

**6. Library Portal:** The central library has also come up with its own portal supported by KNimbus Digital Library where the users can get access to the WebOPAC from their own devices, if connected to the library internet network. Through this platform, the users can get access to all the links that are being provided by the college library such as NLIST, Turnitin, Old Question Papers, Dissertations and other open source like NDLi, Shodhganga, etc. in a single window access mode. <https://kscj.knimbus.com>

**7. Extension Services:** The library also provides extension services in the form of Guest-User. Applications are invited for those who want to avail the college library facility with a minimal membership fee and a security deposit.



## **IT INFRASTRUCTURE**

All academic departments, library and college office are connected by Local Area Network. The entire academic campus is WiFi enabled through access points. Students can access internet through 10 PCs in library, 18 PCs in Computer Center, 10 PCs in Language Laboratory, 12 PCs in GIS Laboratory and 166 PCs from various departmental Laboratories. The college presently has a 20 Mbps Internet Leased Line (ILL) and is in a process of upgrading its IT infrastructure. This will promote online learning, sharing resources and migration of database to cloud platform. The official website of the college is [kscj.ac.in](http://kscj.ac.in).

## **FSOC**

The college access internet from 1 Gbps Free Space Optics Link created over a radial distance of around 5.7 km. The backhaul internet connectivity is provided from SWAN Network which is connected to National Knowledge Network (NKN) from Kohima Secretariat. The FSOC connectivity to the college from Kohima Secretariat was funded by MeitY R&D pilot project with the aim to perform rich R&D on Free Space Optics Technology across two sites where the connectivity has not been implemented or unsuccessful due to various terrain/location challenges.

## **INSTITUTIONAL BIOTECH HUB**

Funded by the Department of Biotechnology, India, the college has set up a Plant Tissue Culture Laboratory in order to provide training primarily to students of the college.

## **HIGH-END TEACHING AIDS**

The classrooms are ICT enabled to enhance teaching-learning experience.

## **STANDARDS CLUB**

The Standards Club at Kohima Science College, a branch of the Bureau of Indian Standards (BIS) with its headquarter at Noida, Delhi, offers students unique opportunities for growth and awareness. Through activities like standard writing competitions, exposure trips, and awareness programs, members are immersed in understanding the intricacies of industry standards. These initiatives enlighten students about the essential procedures that manufactures must adhere to, fostering a culture of conscientious consumerism. The ultimate aim of the club is to cultivate a generation of informed citizen, equipped with knowledge about their consumer rights and responsibilities.

## **“Earn While You Learn” SCHEMES: ENTREPRENEURSHIP**

A mini- printing Press unit has been established to undertake minor printing works such as printing of bulletins, programme sheets, booklets, brochures, etc. Interested students may also opt for Vermi compost Unit Management in the Dept. of Zoology and part-time job at the college canteen under this scheme. Students participating in various levels of the said activities are paid from the proceeds of sales, charges, etc.



# AMENITIES

## *amenities*

### ACCOMMODATION

Kohima Science College has three hostels for boys (200 seats) and two for girls (140 seats). The hostels are centrally located with easy access to all day-to-day requirements including the Primary Health Centre, Bank (SBI with ATM facility) and the Post Office. Each hostel has a hall, a refectory, TV and single or shared accommodation. Apart from the academics, students are also exposed to sports and other cultural and religious activities. Seat allotment is strictly on merit basis and is monitored by a committee.

Each hostel has a Superintendent and a prefect. The prefect assists the Superintendent for the smooth administration of the hostel. Each hostel has a Mess Committee which is headed by a Mess Assistant. It ensures that the food is clean, hygienic, of good quality and on time. The kitchen is manned by experienced cooks. All the boarders are expected to be actively involved in the smooth functioning of the hostel, help maintain discipline and healthy atmosphere.

Names of the Hostels and Superintendents:

- |                             |                                 |
|-----------------------------|---------------------------------|
| 1. Leone Hostel (Girls)     | - <b>Ms. T K Medoweü</b>        |
| 2. Lake View Hostel (Boys)  | - <b>Mr. Kekhriele Nakhro</b>   |
| 3. New Boys' Hostel (Boys)  | - <b>Mr. Veta Nyienü</b>        |
| 4. Peak Hostel (Boys)       | - <b>Mr. Rokovikho Hesielië</b> |
| 5. Alumni P.G. Women Hostel | - <b>Ms. Kevilhuninuo Nagi</b>  |



# EXTRA-CURRICULAR *and* EXTENSION ACTIVITIES

## **KOHIMA SCIENCE COLLEGE STUDENTS UNION (KSCSU)**

The college has a strong students' union (KSCSU) with the Principal as the Ex-officio President of the union. Every student is a bona fide member of KSCSU. The other executive members are elected through the students' general election. The union looks after the interest and welfare of the students and assists the college administration in matters relating to discipline and decorum. The union also organizes various co-curricular and extra-curricular activities and helps in the publication of the college magazine 'Illume'.

## **NATIONAL CADET CORPS (NCC)**

The college has a very strong NCC unit with its motto "Unity and Discipline", is a four-tier administration. Our Cadets have been regularly winning awards and recognition at the state, regional and national levels.

Involvement in NCC enables oneself in discipline, leadership skills, overall personality development, good communication skills, disaster management, health and hygiene, life skills, adventure training, environmental awareness, human right education etc. Cadets can avail various facilities such as Cadets Welfare Society (CWS) Scholarship, Best Cadet Awards, National Camps and get privilege in Youth Exchange Program (YEP) for Exposure Tour to countries like Bhutan, Maldives, Nepal, Russia, Singapore, Vietnam, Kazakhstan, Kyrgyzstan, Sri Lanka, Bangladesh and Turkmenistan. They can acquire NCC 'B' and 'C' Certificate which helps Cadets in getting certain percentage of reservation in entry to higher studies and job placement, both in Government and private firms.

The college NCC function under NCC Groups Head Quarter, Kohima. The Army Wing of the college falls under the jurisdiction of 1 Nagaland Girls Battalion NCC, Kohima (Senior Wing) for girls, 24<sup>th</sup> Nagaland (I) company NCC, Kohima (Senior Division) for boys and Air Wing 1<sup>st</sup> Nagaland Air Squadron (Flying) NCC, Dimapur and looked after by Capt. T K Medoweu, ANO & Assistant Professor, Dept. of Geography, Lieut. Savilie Yhor, ANO & Assistant Professor, Dept. of Chemistry and Care Taker Officer Dr. Visuzoto Valeo, Assistant Professor, Dept. of Physics respectively.

## **NATIONAL SERVICE SCHEME (NSS)**

The NSS with the motto "Not Me but You" helps to develop the personality of a student through community service. This programme was formally launched by the Ministry of Education in 1969 to inculcate a sense of duty among the students in nation building, particularly in rural areas. The NSS is now under the direct management of the Ministry of Youth Affairs & Sports, Govt. of India. Nagaland links with the Centre through its State Liaison Officer (SLO), Department of Youth Resources & Sports, Govt. of Nagaland. Volunteers can earn A or B Certificate which helps in seeking admission



into a university or a job. The college has more than 400 volunteers, and its "adopted villages" are Jotsoma Village, Khonoma Basa Village, Phezu Jotsoma & Mezoma Village. The Programme Officers (POs) are Mr. Keneizoulhou Kesiezie, Mr. Subenthung P Tsopoe, Ms. Imsuzungla A Aier and Mr. Nüveta Khüsoh.

### **SCIENCE CLUB, PHOTOGRAPHY CLUB, NATURE CLUB, RED RIBBON CLUB, LITERARY CLUB, CULTURAL CLUB**

Students are encouraged to join any of these clubs and shoulder leadership responsibilities. These bodies, including KSCSU, NCC, NSS and EU, form the breadth of student organization and they represent the full diversity of students' needs and interests.

### **WINFEST**

WinFest is an extracurricular programme held to promote self-development, encourage inclusive and maximum student participation. WinFest is an extravaganza of sports, rollicking music, literary competition, flower show, food and games, painting and photography competition amongst others.

### **EVANGELICAL UNION (EU)**

The EU, Kohima Science College, is one of the strongest EUs in the north-east. Once the new academic session begins a Hostel Penetration programme is conducted for the new students to apprise them of the various EU programmes. However, membership is strictly voluntary. EU is interdenominational and not a church. The EU is affiliated to the Union of Evangelical Students of India (UESI) which is affiliated to International Fellowship of Evangelical Students (IFES).

### **KOHIMA SCIENCE COLLEGE TEACHERS' ASSOCIATION (KSCTA)**

KSCTA looks after the welfare of the teachers. The Association is affiliated to All Nagaland Government College Teachers Association (ANGCTA), which is an associate of All India Federation of University and College Teacher Organization (AIFUCTO).

### **KOHIMA SCIENCE COLLEGE NON-TEACHING STAFF ASSOCIATION**

The association looks after the welfare of the non-teaching staff of the college. College authority has instituted a Welfare Fund for the association.

### **STUDENTS' GRIEVANCE REDRESSAL COMMITTEE (SGRC)**

This cell helps to support the students in difficulties through advice, counseling and any other help, if necessary so that the students' academic activities are not hampered in any manner.

- |  |            |
|--|------------|
| 1. Principal   | - Convenor |
| 2. Ms. M Amenla Longkumer, Assoc. Prof., Dept. of English            | -Member    |
| 3. Mr. Rokovikho Hesieli, Assoc. Prof., Dept. of Chemistry           | -Member    |
| 4. Ms. Rongdensenla Longkumer, Assoc. Prof. &HOD, Dept. of Geography | -Member    |
| 5. Ms. Vizomenuo Merlyn Yhome, Asst. Prof., Dept. of Tenyidie        | -Member    |
| 6. Dr. Neivotsonuo B. Kuotsu, Assoc. Prof., Dept. of Chemistry       | -Member    |
| 7. Ms. Moarenla Longkumer, Asst. Prof., Dept. of Anthropology        | -Member    |
| 8. Mr. Kekhriele Nakhro, Asst. Prof., Dept. of Geography             | -Member    |
| 9. Mr. Nouno Teruno, Asst. Prof., Dept. of Anthropology              | -Member    |



## DISCIPLINARY AND ANTI-RAGGING COMMITTEE

This committee has been formed under the directive of the Hon'ble Supreme Court of India through Nagaland University. Ragging has always been looked upon as a serious offence by Kohima Science College and shall continue to campaign against ragging. The committee also looks into other similar disciplinary problems.

- |  |                  |
|--|------------------|
| 1. Principal   | Convener         |
| 2. Vice-Principal                                      | Member Secretary |
| 3. All hostel Superintendants                          | Member           |
| 4. Ms. Katasinliu Remmei, Assoc. Prof, Dept of Zoology | Member           |
| 5. General Secretary, KSCSU                            | Member           |

## ANTI-SEXUAL HARASSEMENT CELL

This cell, headed by Ms. Venolü Kezo, looks into complaints relating to sexual harassment in the campus. Complaints may include, but not limited to sexual molestation, eve-teasing, unwelcome touching, using sexual language, etc.

## RESEARCH AND DEVELOPMENT COMMITTEE

Headed by Dr. Mhathung Yanthan as the convener, the committee endeavors to encourage research activities among the teaching faculty of the college. The committee compiles the research works of the teachers and also looks into the research policies to ensure research ethics and quality. This committee also takes care of internship programs taken up by the students as per NEP2020.

## ALUMNI ASSOCIATION (AA)

The college has one of the most vibrant Alumni Associations (AA). The AA works in close coordination with the college fraternity to support and uplift the college. The association has already completed their Alpha-1 and Alpha-2 projects successfully. The AA has also resolved to undertake various activities related to Human Resource Enrichment and has been organizing many events/activities, including the Annual Alumni lecture series, started in 2023, and the Alumni Day (First Friday of December).

## Office Bearers

- |                                    |                       |
|------------------------------------|-----------------------|
| 1. President                       | Mr. Nokchasashi       |
| 2. Vice president                  | Mr. Rhosietho Nguori  |
| 3. General Secretary               | Dr. Hinotoli Sema     |
| 4. Joint Secretary                 | Er. Nirie-e Nisa      |
| 5. Joint Secretary                 | Ms. Tsewe-u Lusou     |
| 6. Finance Secretary               | Mr. Nchumbemo Humtsoe |
| 7. Treasurer                       | Ms. Katasinliu Remmei |
| 8. Statistical Secretary           | Dr Rachel Ao          |
| 9. Media and Information Secretary | 1. Mr. Puthenhenmei   |
|                                    | 2. Mr. Veprezo        |
|                                    | 3. Ms. Nuvohulu Yoho  |



### **Advisory Board**

1. Dr. Joyce Zinyü Angami
2. Dr. Vizovol Mekro
3. Mr. Renthungo Jungio (Ex-Officio)

### **Executive Members**

1. Ms. Kevilhunino Nagi
2. Dr. Wenyitso Kapfo
3. Ms. Avelu Ruho
4. Mr. Neitho Kuotsu
5. Mr. Yanger

### **Parents Teachers Association (PTA)**

The Parent Teacher Association (PTA) facilitates parental participation in various college activities, which includes inter alia curriculum enrichment and extracurricular activities. PTA activities are monitored by a committee in the college.

- |                             |          |
|-----------------------------|----------|
| 1. Dr. Imlisunep Pongener   | Convener |
| 2. Dr. Neivotsonuo B Kuotsu | Member   |
| 3. Mr. Chiratho M Nyuwi     | Member   |
| 4. Ms. Mhasizovono Peseyie  | Member   |

### **CAREER GUIDANCE AND PLACEMENT CELL**

This cell advises and gives access to career resources to the students. It also organizes consultation and arranges interaction with alumni to help the students seek and attain their desired professional goals. The cell helps students by providing relevant academic and career information which enable the students to stay updated with the latest employment trends and options. The seven member cell is headed by Dr. Moaakum, Asst. Professor, Dept. of Botany

### **Internal Complaint Committee**

The committee has been setup to facilitate redressal of grievances of the college staff. The committee is headed by Dr. Kelhouletuonuo Pienyü, Associate Professor, Dept. of English.





# SCHOLARSHIP & AWARDS

## FOUNDING FATHERS MERITORIOUS AWARD

Apart from the Post-Matric Scholarships given by the government to economically weak and/or merit students, some other awards (certificate and cash) instituted by the college and sponsored by the faculty are available annually to gold medallists and subject toppers in the final examinations. They are:

AWARD	SUBJECT
Dr. Neilhoushü K. Angami Meritorious Award	Life Sciences
Mr. Keduonyü Sekhose Meritorious Award	Humanities
Rev. Haizotuo Munshi Meritorious Award	Mathematics & Comp.Sc.
Mr. Akum Imlong Meritorious Award	Chemistry
Mr. J. B. Jasokie Meritorious Award	Earth Science
Mr. U. M. Deb Meritorious Award	Statistics
Mr. Vizol Angami Meritorious Award	Physics

## DR. S. K. DEY LITERARY AWARD

The award is privately sponsored by a group of his admirers and friends and approved by the college authority. It comprises a cash prize and a Commendation Certificate. This annual Award is given to the best original poem/essay/short story or any other genre in the Literary Competition held during WinFest.

## FUTURE ROCK STAR AWARD

Rock Star Award is a coveted award among the students of Geology. It is presented annually and is sponsored by the alumni of Geology Department. This award is awarded to a student securing the highest mark in the B.Sc. Programme. This award was constituted in 2011 by the alumni to encourage the students to develop interest in the subject and to bring out the best in them through positive competitive spirit. This award carries a citation along with a cash prize.

## STELLAR STUDENT AWARD

The Department of Anthropology has instituted an annual award known as the Stellar Student Award since 2022. The award is given to the best student of the Department of Anthropology basing on their academic performance from BSc 1<sup>st</sup> Semester to BSc 4<sup>th</sup> semester. The idea of this award is to foster the spirit of learning; to encourage sincerity and hard work among the students. The award includes a citation and cash prize which is sponsored by the Alumni of the Department of Anthropology.



## **NCC SCHOLARSHIPS**

1. Cadets Welfare Society Scholarship
2. Sahara NCC Scholarship
3. NCC Directorate Delhi Scholarship

## **GOVERNOR'S AWARD**

The Governor Award which was established in 2019 in memory of Late Captain Neikezhakuo Kengurüse, Maha Vir Chakra, is presented to the top performing undergraduate students in both the male and female student category. Eligibility criteria include a minimum score of 80% in academic and commendable achievement in extracurricular activities.

## **GEOGRAPHIA AWARD**

Geographia Award was introduced by the department of Geography in the year 2023 and is awarded to the B.A./B.Sc. 5<sup>th</sup> Semester Geography student of excellence who secures the highest aggregate SGPA (Semester Grade Point Average) considering the 1<sup>st</sup>, 2<sup>nd</sup>, 3<sup>rd</sup> and 4<sup>th</sup> Semesters. By honoring their academic achievements, the award aims to motivate and empower students to continue their pursuit of excellence, fostering a legacy of innovation, stewardship and global citizenship in the field of Geography. The award consists of a captivating citation and a generous cash prize, sponsored by the Department of Geography.

## **MAHALANOBIS AWARD**

Mahalanobis Award was introduced in 2024 by Md. Jakir Ali, Associate Professor (Retd.) & former HOD Department of Statistics, Kohima Science College, Jotsoma, in memory of his late parents Late Abul Ali and Late Amina Khatun. The award is accorded to the best performing student in the 1<sup>st</sup> and 2<sup>nd</sup> semester (Statistics Major) and carries a citation along with a cash prize.

## **ACADEMIC EXCELLENCE AWARD**

This award was introduced by the PU batch of 1992-94 in the year 2024 and is awarded to students who demonstrate outstanding performance in their academic pursuits. It serves to honour and celebrate the hard work, dedication and achievements of students who excel academically. This is awarded to Post Graduate students. The recipients are acknowledged with a monetary award and are solely sponsored by 1992-94 PU batch.

## **MAVERICKS ACADEMIC EXCELLENCE AWARD**

This award was instituted and sponsored by Mavericks Academy in the year 2024 and is awarded to meritorious students from both undergraduate and Post graduate level. This award is given in the form of a cash prize. The emphasis is on recognizing and rewarding students for their outstanding academic performance, encouraging them to reach even greater heights in their academic endeavors.

## **GOOD SAMARITAN FUND**

This fund, generated from the yearly contribution of all the faculty members, is utilized as a kind of stipend to look after the welfare of the economically challenged but meritorious students of the college.

## **JUBILEE TRUST FUND**

This Fund is an initiative of the Kohima Science College Students' Union in commemoration of its 50<sup>th</sup> Anniversary. The fund is utilised to encourage meritorious students in various activities.



# GRADUATE AND POST GRADUATE SYLLABI OUTLINES CAREER PROSPECT AND FACULTY

Kohima Science College, Jotsoma was granted academic autonomy in 2014. The college holds its own examination and award certificate after it is endorsed by Nagaland University. The college offers FYUGP (NEP 2020) and post graduate degree course, the duration of which is four semesters (two years).

A general guideline regarding the graduate and post graduate syllabi and career prospects is laid out in the following tables.



# ANTHROPOLOGY

## B.SC./B.A. PROGRAMME IN ANTHROPOLOGY

### Structure of the UG Programme under NEP 2020

SEMESTER	CODE	COURSE TITLE	CREDITS
I	MJ-1	Introduction To Basics of Anthropology	4
	MN-1	Introduction to Basics of Anthropology	4
	MDC-1(A)	Traditional Knowledge System I (Theory & Practical)	2+1
	MDC-1(B)	Holistic Perspective to the Study of Human Beings	3
	SEC-1	Fieldwork Tradition in Anthropology (Theory & Practical)	1+2
	VAC-1	Environmental Science	3
	AEC-1	Language-I	3
II	MJ-2	Anthropology and its Dimensions (Theory & Practical)	3+1
	MN-2	Anthropology and its Dimensions (Theory & Practical)	3+1
	MDC-2(A)	Traditional Knowledge system II (Theory & Practical)	2+1
	MDC-2(B)	Sports Anthropology (Theory & Practical)	2+1
	SEC-2	Fitness and Wellness (Theory & Practical)	1+2
	VAC-2	Tourism Anthropology	3
	AEC-2	Language-II	3
III	MJ-3	Introduction to Biological Anthropology (Theory & Practical)	3+1
	MJ-4	Introduction of Prehistoric Archaeology (Theory & Practical)	3+1
	MN-3	Introduction to Biological Anthropology (Theory & Practical)	3+1
	MDC-3	Human Ecology: Biological and Cultural Dimension (Theory & Practical)	2+1
	SEC-3	Disaster Management (Theory & Practical)	1+2
	AEC-3	SWAYAM/Tenyidie	2
IV	MJ-5	Anthropology In India-I (Theory & Practical)	3+1
	MJ-6	Human Morphology (Theory & Practical)	3+1
	MJ-7	Fundamentals of Human Origin and Evolution (Theory & Practical)	3+1
	MJ-8	Anthropological Theories	4
	MN-4	Anthropology In India-I (Theory & Practical)	3+1
V	MJ-9	Human Genetics (Theory & Practical)	3+1
	MJ-10	Anthropology In India-II (Theory & Practical)	3+1
	MJ-11	Pre-history of south Asia	4
	MN-5	Pre-history of south Asia	4



VI	MJ-12(A)	Anthropology of Health (Theory & Practical)	3+1
	MJ-12(B)	Anthropology of Gender	4
	MJ-13	Research Methodology (Theory & Practical)	3+1
	MJ-14	Introduction to World Prehistory (Theory & Practical)	3+1
	MJ-15(A)	Human growth and Development (Theory & Practical)	3+1
	MJ-15(B)	Physiological Anthropology (Theory & Practical)	3+1
	MN-6(A)	Human growth and Development (Theory & Practical)	3+1
	MN-6(B)	Physiological Anthropology (Theory & Practical)	3+1
VII	MJ-16(A)	Museology and Cultural Resource Management (Theory & Practical)	3+1
	MJ-16(B)	Ecological Anthropology	4
	MJ-17(A)	Forensic Anthropology (Theory & Practical)	3+1
	MJ-17(B)	Human Population Genetics	4
	MJ-18	Science And Archaeology	4
	MJ-19	Anthropology of North -East India (Theory & Practical)	3+1
	MN-7	Museology and Cultural Resource Management (Theory & Practical)	3+1
VIII	MJ-20	Applied Anthropology (Theory & Practical)	3+1
	MN-8	Applied Anthropology (Theory & Practical)	3+1
	MJ-21	Urban Anthropology (Theory & Practical)	3+1
	MJ-22	Biological Diversity in Human Population	4
	MJ-23	Cultural Heritage Management, Tourism AND Law (Theory & Practical)	3+1
	(In lieu of MAJOR 21,22 & 23) or Research Project/ Dissertation		
<b>Total Credit</b>			<b>160</b>





# M.SC. PROGRAMME IN ANTHROPOLOGY

## M.Sc SYLLABUS FOR ANTHROPOLOGY 2023 KOHIMA SCIENCE COLLEGE, JOTSOMA (AUTONOMOUS)

Semester	Course No	Course Title	Credits	
I	MANC 1.11	Fundamentals of Physical Anthropology	4	
	MANC 1.21	Fundamentals of Social and cultural Anthropology	6	
	MANC 1.31	Fundamentals of Archaeology	4	
	MANC 1.41	Museology and Cultural Resource Management	4	
	Practical			
	MANC 1.12	Physical Anthropology I	2	
	MANC 1.32	Fundamentals of Archaeology Practical	2	
	MANC 1.42	Ethnographic museum Fieldwork	2	
II	MANC 2.11	Human genetics and variation	4	
	MANC 2.21	Anthropological Theories	4	
	MANC 2.31	Prehistory and Early human Cultures	6	
	MANC 2.41	Research and Ethnographic Methods	4	
	Practical			
	MANC 2.12	Physical Anthropology II	2	
	MANC 2.22	Methodology and Analysis Practical	2	
	MANC 2.42	Bio-Statistical Practical	2	



<b>SPECIALIZATION</b>				
III	<b>PHYSICAL/BIOLOGICAL</b>			
	MANC 3.11	Anthropology of North-East India		6
	MANC 3.21	Anthropology Demography		6
	MAND 3.11(A)	Kinanthropometry& Ergonomics		6
	MAND 3.11(B)	Physiological Anthropology		6
	MAND 3.11(C)	Forensic Anthropology		6
	MAND3.21	Fieldwork		6
	<b>SOCIAL/CULTURAL</b>			
	MANC 3.11	Anthropology of North-East India		6
	MANC 3.21	Anthropological Demography		6
	MANC 3.31(A)	Development Anthropology		6
	MANC 3.31(B)	Visual Anthropology		4
	MANC 3.31(C)	Medical Anthropology		6
	MAND3.21	Fieldwork		6
	<b>Practical</b>			
MANC 3.31(B)	Visual Anthropology Fieldwork		2	
IV	<b>PHYSICAL/BIOLOGICAL</b>			
	MANC 4.11	Human Population Genetics		6
	MANC 4.21	Medical Genetics		6
	MAND 4.21(A)	Palaeo-anthropology		6
	MAND 4.11(B)	Formal Genetics		6
	MAND 4.11(C)	Primate biology and behavior		6
	MANC 4.21	*Dissertation		6
	<b>SOCIAL/CULTURAL</b>			
	MANC 4.31	Anthropology of gender		6
	MANC 4.41	Indian Anthropolgy		6
	MAND 4.31(A)	Urban Anthropology		6
	MAND 4.31(B)	Ecological Anthropology		6
	MAND 4.31(C)	Psychological Anthropology		6
MANC 4.21	*Dissertation		6	
<b>TOTAL</b>	<b>Physical/Biological</b>		<b>96</b>	
	<b>Social/Cultural</b>		<b>96</b>	

*\*Theoretical & methodological preparation for this paper begins in the 3<sup>rd</sup> semester. Supervisors for this paper are allotted in the beginning of the 3<sup>rd</sup> semester, & the students leave for fieldwork training soon after the 3<sup>rd</sup> semester examination.*



## ANTHROPOLOGY

Anthropology is the study of human beings, their cultures, societies, and behaviors, both past and present, through a holistic and comparative approach, offering a unique lens to explore the diversity of human experience and the interconnectedness of societies around the world. It has four branches :

- Cultural anthropology which examines contemporary cultures and societies,
- Archaeology which delves into the material remains of past civilizations
- Biological anthropology which explores human evolution and biological diversity
- Linguistic anthropology which studies the role of language in shaping human identity and communication.

Anthropologists employ diverse research methods, including ethnography, excavation, genetic analysis, and linguistic analysis, to understand the complexities of human existence.

**LEARNING OUTCOMES:** Overall, the discipline seeks to promote cross-cultural understanding of communities, challenge ethnocentrism using major theoretical orientations in Anthropology, address societal issues such as inequality, globalization, and environmental sustainability, learn about Human Evolution , Physiology, aspects of Human Genetics & Variation, Human growth & Development , Human history from Prehistoric times to present and application of archaeological methods in studying related sites and cultures.

### CAREER PROSPECTS IN ANTHROPOLOGY:

Anthropology offers diverse opportunities from Competitive Exams to Academia and Research. Applying Anthropological knowledge and problem-solving skills in fields like Administration, Public Health , Cultural resource Management, Documentation on knowledge systems, Museum studies, Planning and Development, Criminal investigations, Industries / Business, Sports, Policy making and Consultancy and Equipment designing.

### FACULTY PROFILE

1. Ms. Kevilhunino Nagi, M.A.	Associate Professor & Head
2. Ms. Moarenla Longkumer, M.A., NET	Assistant Professor
3. Ms. Khriekhemhieu K Mary M.Sc., NET	Assistant Professor
4. Ms. J Sharon, M.Sc., NET	Assistant Professor
5. Ms. Imsuzungla Aier, M.A, NET	Assistant Professor
6. Ms. Viliebeino Medom, M.Sc., NET	Assistant Professor
7. Dr. David Tetso, M.Sc., Ph.D	Assistant Professor
8. Ms. Shesotalu Nakro, M.Sc., NET	Assistant Professor
9. Mr. Imkumlong, M.Sc., NET	Assistant Professor
10. Mr. Noun Teruno, M.Sc., NET	Assistant Professor



# BOTANY

## B.S.C. PROGRAMME IN BOTANY

### Structure of the UG Programme under NEP 2020

SEMESTER	CODE	COURSE TITLE	CREDITS
I	MJ-1	Phycology & Mycology (Theory & Practical)	3+1
	MN-1	Phycology & Mycology (Theory & Practical)	3+1
	MDC-1(A)	Traditional Knowledge System-I (Theory & Practical)	2+1
	MDC-1(B)	Bonsai Technique (Theory & Practical)	2+1
	SEC-1	Mushroom Culture (Theory & Practical)	1+2
	VAC-1	Environmental Science	3
	AEC-1	Language-I	3
II	MJ-2	Bryophytes & Pteridophytes (Theory & Practical)	3+1
	MN-2	Bryophytes & Pteridophytes (Theory & Practical)	3+1
	MDC-2(A)	Traditional Knowledge System-II (Theory & Practical)	2+1
	MDC-2(B)	Field and Herbarium Methods (Theory & Practical)	2+1
	SEC-2	Floriculture (Theory & Practical)	1+2
	VAC-2	Organic Farming	3
	AEC-2	Language-II	3
III	MJ-3	Economic Botany (Theory & Practical)	3+1
	MJ-4	Gymnosperms and Palaeobotany (Theory & Practical)	3+1
	MN-3	Economic Botany (Theory & Practical)	3+1
	MDC-3	Natural resources and contemporary issues	3
	SEC-3	Agroecosystems of Nagaland (Theory & Practical)	1+2
	AEC-3	SWAYAM	2
IV	MJ-5	Cell Biology (Theory & Practical)	3+1
	MJ-6	Microbiology & Plant Pathology (Theory & Practical)	3+1
	MJ-7	Plant Systematics-I (Theory & Practical)	3+1
	MJ-8	Molecular Biology (Theory & Practical)	3+1
	MN-4	Cell Biology (Theory & Practical)	3+1
V	MJ-9	Plant Systematics-II (Theory & Practical)	3+1
	MJ-10	Biochemistry (Theory & Practical)	3+1
	MJ-11	Reproductive Biology of Angiosperms (Theory & Practical)	3+1
	MN-5	Reproductive Biology of Angiosperms (Theory & Practical)	3+1
VI	MJ-12	Plant Anatomy (Theory & Practical)	3+1
	MJ-13	Plant Physiology (Theory & Practical)	3+1
	MJ-14	Genetics & Evolution (Theory & Practical)	3+1
	MJ-15	Ecology and Ecosystem Analysis (Theory & Practical)	3+1
	MN-6	Ecology and Ecosystem Analysis (Theory & Practical)	3+1
VII	MJ-16	Ethnobotany (Theory & Practical)	3+1
	MJ-17	Research Methodology (Theory & Practical)	3+1
	MJ-18	Phytogeography (Theory & Practical)	3+1
	MJ-19	Plant Breeding (Theory & Practical)	3+1
	MN-7	Ethnobotany (Theory & Practical)	3+1
VIII	MJ-20	Biofertilizers and Biopesticides (Theory & Practical)	3+1
	MN-8	Biofertilizers and Biopesticides (Theory & Practical)	3+1
	MJ-21	Biostatistics (Theory & Practical)	3+1
	MJ-22	Plant biodiversity and conservation (Theory & Practical)	3+1
	MJ-23	Plant Biotechnology (Theory & Practical)	3+1
(In lieu of MAJOR 21,22 & 23) or Research Project/ Dissertation			12
<b>Total</b>			<b>160</b>



# M.SC. PROGRAMME IN BOTANY

SEMESTER	COURSE CODE	COURSE TITLE	CREDITS
I	MBOC 1.11	Microbiology & Algae	4
	MBOC 1.21	Bryophytes & Pteridophytes	4
	MBOC 1.31	Gymnosperms & Paleobotany	4
	MBOC 1.41	Plant Morphology & Anatomy	4
	MBOC 1.12	Microbiology & Algae (Practical)	2
	MBOC 1.22	Bryophytes & Pteridophytes (Practical)	2
	MBOC 1.32	Gymnosperms & Paleobotany (Practical)	2
	MBOC 1.42	Plant Morphology & Anatomy (Practical)	2
II	MBOC 2.11	Angiosperm Taxonomy	4
	MBOC 2.21	Mycology & Plant Pathology	4
	MBOC 2.31	Biochemistry & Biotechnology	4
	MBOC 2.41	Cell & Molecular Biology	4
	MBOC 2.12	Angiosperm Taxonomy (Practical)	2
	MBOC 2.22	Mycology & Plant Pathology (Practical)	2
	MBOC 2.32	Biochemistry & Biotechnology (Practical)	2
	MBOC 2.42	Cell & Molecular Biology (Practical)	2
III	MBOC 3.11	Genetics, Cytogenetics & Plant Breeding	4
	MBOC 3.21	Plant Physiology	4
	MBOC 3.12	Genetics, Cytogenetics & Plant Breeding (Practical)	2
	MBOC 3.22	Plant Physiology (Practical)	2
	MBOD 3.11(a)	Plant Systematics	4
	MBOD 3.11(b)	Medicinal Plants	4
	MBOD 3.11(c)	Biodiversity and Conservation	4
	MBOD 3.12(a)	Plant Systematics (Practical)	2
	MBOD 3.12(b)	Medicinal Plants (Practical)	2
	MBOD 3.12(c)	Biodiversity and Conservation (Practical)	2
	MBOD 3.21(a)	Research Methodology & Biostatistics	4
	MBOD 3.21(b)	Methods in Plant Sciences	4
	MBOD 3.21(c)	Agroecosystems – Principles and Applications	4
	MBOD 3.22(a)	Research Methodology & Biostatistics (Practical)	2
MBOD 3.22(b)	Methods in Plant Sciences (Practical)	2	
MBOD 3.22(c)	Agroecosystems – Principles and Applications (Practical)	2	
IV	MBOC 4.11	Plant Reproductive Biology	4
	MBOC 4.21	Ecology and Ecosystem Analysis	4
	MBOC 4.12	Plant Reproductive Biology (Practical)	2
	MBOC 4.22	Ecology and Ecosystem Analysis (Practical)	2
	MBOD 4.11(a)	Plant Resource Utilization	4
	MBOD 4.11(b)	Phytogeography and Evolution	4
	MBOD 4.11(c)	Biofertilizers and Biopesticides	4
	MBOD 4.12(a)	Plant Resource Utilization (Practical)	2
	MBOD 4.12(b)	Phytogeography and Evolution (Practical)	2
	MBOD 4.12(c)	Biofertilizers and Biopesticides (Practical)	2
MBOD 4.21	Dissertation Work	6	



**CAREER PROSPECTS IN BOTANY**

Biochemistry, Bioinformatics, Biotechnology, Food Technology, Forensic Science, Forestry, Horticulture, Microbiology, Soil, Nutrition, Health, Wildlife, Marine Biotechnology, Plant Physiology, Silviculture, Floriculture, Plant Ecology, Mushroom Culture, Teaching, Research.

**FACULTY PROFILE**

- |   |                            |
|---|----------------------------|
| 1. Dr. Wenyitso Kapfo, M.Sc., Ph.D NET          | Associate Professor & Head |
| 2. Mr. Wekholo Therie, M.Sc., NET               | Assistant Professor        |
| 3. Mr. Tosovil Neikha, M.Sc., NET               | Assistant Professor        |
| 4. Dr. Mhathung Yanthan, M.Sc., Ph.D, NET       | Associate Professor        |
| 5. Dr. Samandangla Ao, M.Sc., Ph.D, NET         | Associate Professor        |
| 6. Mr. Keneizoulhou Kesiezie, M.Sc., B.Ed., NET | Assistant Professor        |
| 7. Ms. Kezhaleño Sale, M.Sc., NET               | Assistant Professor        |
| 8. Ms. Thejakhrieu Kire, M.Sc., NET             | Assistant Professor        |
| 9. Dr. Moaakum, M.Sc., Ph.D                     | Assistant Professor        |
| 10. Dr. Khrienuo Angami, M.Sc., M.Phil., Ph.D   | Assistant Professor        |





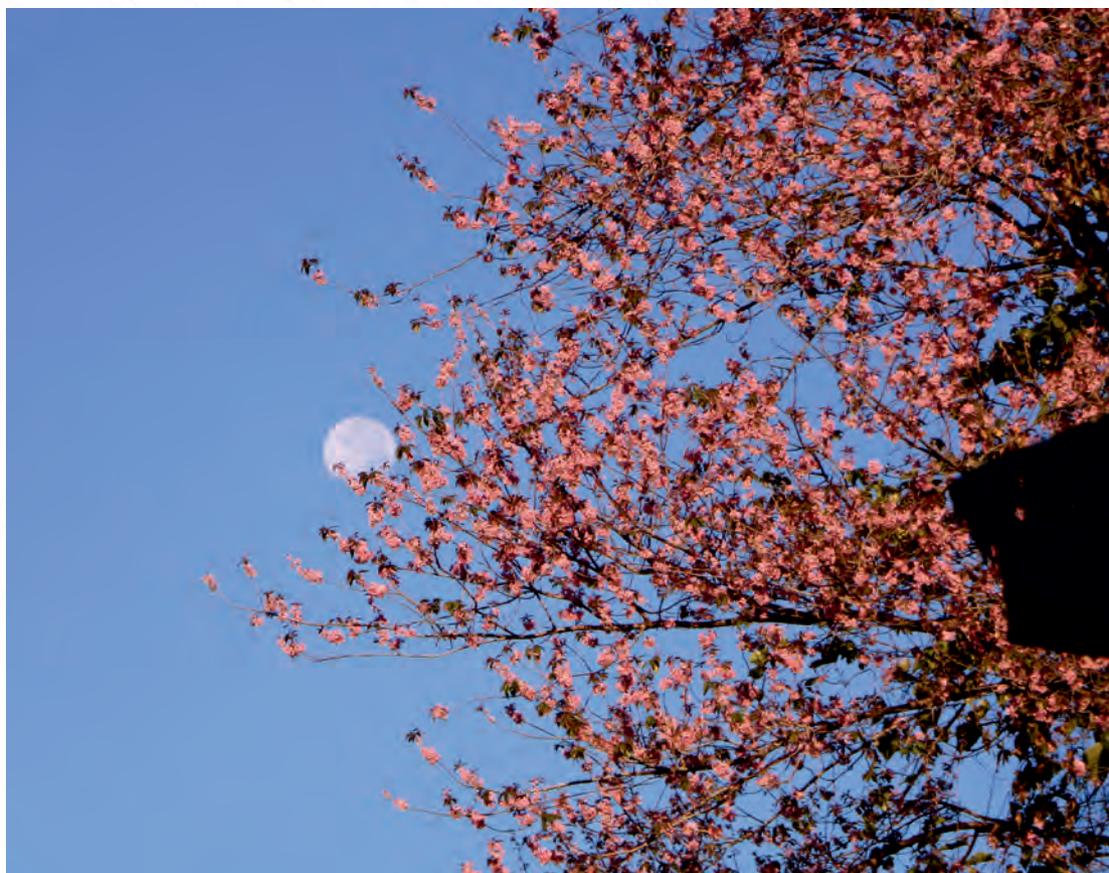
# B.S.C. PROGRAMME IN CHEMISTRY

## Structure of the UG Programme under NEP 2020

SEMESTER	CODE	COURSE TITLE	CREDITS
I	MJ-1	Atomic structure, Periodicity of Elements and Chemical bonding (Theory & Practical)	3+1
	MN-1	Atomic structure, Periodicity of Elements and Chemical bonding (Theory & Practical)	3+1
	MDC-1	Chemistry in Daily Life	3
	AEC-1	Language-I	3
	SEC-1	Pharmaceutical Chemistry (Theory & Practical)	1+2
	VAC-1	Environmental Studies	3
II	MJ-2	States of matter & ionic equilibria (Theory & Practical)	3+1
	MN-2	States of matter & ionic equilibria (Theory & Practical)	3+1
	MDC-2	Inorganic Materials of Industrial Importance	3
	AEC-2	Language-II	3
	SEC-2	Fuel Chemistry (Theory & Practical)	1+2
	VAC-2	Indian Textiles	3
III	MJ-3	Basic & Hydrocarbon (Theory & Practical)	3+1
	MJ-4	Chemical thermodynamic and its application (Theory & Practical)	3+1
	MN-3	Basic & Hydrocarbon (Theory & Practical)	3+1
	MDC-3	Green Chemistry	3
	AEC-3	SWAYAM/Tenyidie	2
	SEC-3	Chemistry of cosmetics and perfumes (Theory & Practical)	1+2
IV	MJ-5	Metallurgical processes, Acids and bases and s & p blocks elements (Theory & Practical)	3+1
	MJ-6	Active methylene compounds, petroleum and petrochemicals and organosulphur compounds (Theory & Practical)	3+1
	MJ-7	Halogen & Oxygen containing functional groups (Theory & Practical)	3+1
	MJ-8	Phase Equilibria Chemical Kinetics (Theory & Practical)	3+1
	MN-4	Metallurgical processes, Acids and bases and s & p blocks elements (Theory & Practical)	3+1
V	MJ-9	Co-ordination chemistry, d & f blocks elements and bio-inorganic chemistry (Theory & Practical)	3+1
	MJ-10	Heterocycle compound & Nitrogen containing Functional groups (Theory & Practical)	3+1
	MJ-11	Electrochemistry, Electro-chemistry & Spectroscopy (Theory & Practical)	3+1
	MN-5	Electrochemistry, Electro-chemistry & Spectroscopy (Theory & Practical)	3+1
VI	MJ-12	Organometallic compounds, kinetics and reaction mechanism (Theory & Practical)	3+1
	MJ-13	Analytical Methodism Chemistry (Theory & Practical)	3+1
	MJ-14	Biomolecules (Theory & Practical)	3+1
	MJ-15	Quantum chemistry, Physical properties and Chemical constitution & Reaction Dynamics (Theory & Practical)	3+1



VII	MJ-16	Symmetry and structure, magnetic properties and Electronic structure of transition metal complexes (Theory & Practical)	3+1
	MJ-17	Organic spectroscopy (Theory & Practical)	3+1
	MJ-18	Nuclear Chemistry (Theory & Practical)	3+1
	MJ-19	Polymer Chemistry (Theory & Practical)	3+1
	MN-7	Organic spectroscopy (Theory & Practical)	3+1
VIII	MJ-20	Transition Metal $\pi$ -acid complexes, supramolecular chemistry, Non-aqueous solvents and inorganic polymers (Theory & Practical)	3+1
	MN-8	Transition Metal $\pi$ -acid complexes, supramolecular chemistry, Non-aqueous solvents and inorganic polymers (Theory & Practical)	3+1
	MJ-21	Kinetics and Mechanism of Inorganic Reaction -II, Transition Metal-carbon Bond, Syntheses of Cyclopentadienyl and Arene Metal Analogues (Theory & Practical)	3+1
	MJ-22	Organic reaction, Reactive intermediates, Retro-synthesis in organic chemistry (Theory & Practical)	3+1
	MJ-23	Nano Chemistry (Theory & Practical)	3+1
			(In lieu of MAJOR 21, 22 & 23) or Research Project/ Dissertation
<b>Total Credit</b>			<b>160</b>





# M.SC. PROGRAMME IN CHEMISTRY

## COURSE STRUCTURE

SEMESTER	CODE	COURSE TITLE	CREDITS
I	MCHC 1.11	Inorganic Chemistry -I	4
	MCHC 1.21	Organic Chemistry -I	4
	MCHC 1.31	Physical Chemistry -I	4
	MCHC 1.41	Physical Chemistry -II	4
	MCHC 1.12	Organic Chemistry (Practical)	8
II	MCHC 2.11	Inorganic Chemistry -II	4
	MCHC 2.21	Organic Chemistry -II	4
	MCHC 2.31	Organic Chemistry -III	4
	MCHC 2.41	Physical Chemistry -III	4
	MCHC 2.12	Inorganic Chemistry (Practical)	8
III	MCHC 3.11	Inorganic Chemistry -III	4
	MCHC 3.21	Physical Chemistry -IV	4
	MCHC 3.12	Physical Chemistry (Practical)	8
	MCHD 3.11	OPTIONAL*	4
	MCHD 3.21	OPTIONAL*	4
IV	MCHC 4.11	Inorganic Chemistry -IV	4
	MCHC 4.21	Organic Chemistry -IV	4
	MCHC 4.31	Project Chemistry/Course Work	8
	MCHD 4.11	OPTIONAL**	4
	MCHD 4.21	OPTIONAL**	4

### DISCIPLINE SPECIFIC ELECTIVE 1 & 2

#### MCHD 3.11 & MCHD 3.21

COURSE TITLE	CREDITS
Analytical Chemistry & Catalysis	4
Natural Products & Bio Organic Chemistry	4
Nuclear Chemistry	4

### DISCIPLINE SPECIFIC ELECTIVE 3 & 4

#### MCHD 4.11 & MCHD 4.21

COURSE TITLE	CREDITS
Nano Chemistry & Polymer Science	4
Applied Inorganic Chemistry	4
Applied Organic Chemistry	4
Nanotechnology and Polymer Technology	4



## CAREER PROSPECT IN CHEMISTRY

Analytical Chemistry: Teacher, Lab Chemist, Production Chemist, research & Development Manager, Quality Controller, R&D Director, Chemical Engineering Associate, Biomedical Chemist, Industrial Research Scientist, Materials Technologist, Production Officer, Safety Health and Environment Specialist.

Industries/ Companies to which one can apply: Pharmaceutical, Agrochemical, Petrochemical, Toiletry, Textile, Educational, Industrial/Independent Laboratories, Technical Firms, Environmental Law, Plastic, Petroleum, Engineering Units, Chemical, Heavy Chemical Firms, Medical Research, Food Processing, Paint, Patent Law Firms, Space Exploration Agencies, Forensic Science, Ceramics, Paper, Military Systems.

**Industrial Chemistry:** Manager – Sales Force Automation, Biology Researcher, Chemist, Sales & Marketing, Laboratory Assistant, Teaching, Research, Oceanography and Marine Geology, Accounting and Material Officer, Pharmacist, Plant Biochemist, Research Associate, Science Adviser, Taxonomist.

**Employment Areas:** Universities, Manufacturing and Processing Firms, Seed and Nursery Organisation, Research and Development, Oil Industry, Biotechnology, Food Institute, Chemical Industry, Agricultural Research.

Government Sector: UPSC, BPSC, Banking, Railways Exam, SSC, Air force, Navy, Army, ISRO, BARC, DRDO, Bharat Petroleum, Indian Oil Cooperation, ONGC,

Advanced Centre for Treatment, Teaching (schools, colleges, universities)

### Faculty Profile:

- |  |                            |
|--|----------------------------|
| 1. Dr. Krishna Kumar Tiwari, M.Sc., Ph.D         | Associate Professor & Head |
| 2. Mr. N. Meren Ao, M.Sc.                        | Associate Professor        |
| 3. Ms. Sangeeta Vizo, M.Sc.                      | Associate Professor        |
| 4. Mr. Kenneth Punyü, M.Sc.                      | Associate Professor        |
| 5. Mr. Rokovikho Hesielie, M.Sc.                 | Associate Professor        |
| 6. Ms. A. Chubarenla, M.Sc.                      | Assistant Professor        |
| 7. Ms. Vineinu Rhetso, M.Sc.                     | Assistant Professor        |
| 8. Dr. Daniel Kibami, M.Sc., Ph.D                | Associate Professor        |
| 9. Dr. Neivotsonuo B. Kuotsu, M.Sc., B.Ed., Ph.D | Associate Professor        |
| 10. Mr. Savilie Yhor, M.Sc.                      | Assistant Professor        |
| 11. Dr. Aola Supong, M.Sc., Ph.D                 | Assistant Professor        |



# COMPUTER SCIENCE



## B.SC. PROGRAMME IN COMPUTER SCIENCE

### Structure of the UG Programme under NEP 2020

SEMESTER	CODE	COURSE TITLE	CREDITS
I	MJ-1	Computer Fundamentals	4
	MN-1	Computer Fundamentals	4
	AEC-1	Language-I	3
	MDC-1	Office Automation Tools (Theory & Practical)	2+1
	SEC-1	Graphic Designing (Theory & Practical)	1+2
	VAC-1	EVS	3
II	MJ-2	Programming Fundamentals using C (Theory & Practical)	3+1
	MN-2	Programming Fundamentals using C (Theory & Practical)	3+1
	AEC-2	Language-II	3
	MDC-2	Cyber Security Fundamentals (Theory & Practical)	2+1
	SEC-2	Programming in MATLAB (Theory & Practical)	1+2
	VAC-2(A)	E-Commerce Technologies	3
	VAC-2(B)	Indian Knowledge System	3
III	MJ-3	Computer Organization & Architecture (Theory & Practical)	3+1
	MJ-4	Data Structure (Theory & Practical)	3+1
	MN-3	Computer Organization & Architecture (Theory & Practical)	3+1
	AEC-3	SWAYAM/Tenyidie	2
	MDC-3	Fundamentals of Graphic Designing (Theory & Practical)	2+1
	SEC-3	Programming in R (Theory & Practical)	1+2
IV	MJ-5	Object Oriented Programming in C++ (Theory & Practical)	3+1
	MJ-6	Programming in Java (Theory & Practical)	3+1
	MJ-7	HTML & CSS (Theory & Practical)	3+1
	MJ-8	Theory of Computation	4
	MN-4	HTML & CSS (Theory & Practical)	3+1
V	MJ-9	Operating System	4
	MJ-10	Computer Networks (Theory & Practical)	3+1
	MJ-11	Software Engineering	4
	MN-5	Computer Networks (Theory & Practical)	3+1



VI	MJ-12	Database Management System (Theory & Practical)	3+1
	MJ-13	Design and Analysis of Algorithms	4
	MJ14	PHP Programming (Theory & Practical)	3+1
	MJ-15	Python Programming (Theory & Practical)	3+1
	MN-6	Python Programming (Theory & Practical)	3+1
VII	MJ-16	Research Methodology	4
	MJ-17	Artificial Intelligence	4
	MJ-18	Internet Technologies (Theory & Practical)	3+1
	MJ-19	Cyber Security & Law (Theory & Practical)	3+1
	MN-7	Artificial Intelligence	4
VIII	MJ-20	Machine Learning (Theory & Practical)	3+1
	MN-8	Cloud Computing	4
	MJ-21	Data Mining (Theory & Practical)	3+1
	MJ-22	Computer Graphic (Theory & Practical)	3+1
	MJ-23	Cloud Computing	4
	(In lieu of MAJOR 21,22 & 23) or Research Project/ Dissertation		12
<b>Total Credits</b>			<b>160</b>

## COMPUTER SCIENCE

Computer science (CS) spans the range from theory through programming to cutting-edge development of computing solutions. Computer science offers a foundation that permits graduates to adapt to new technologies and new ideas. The work of computer scientists falls into three categories: a) designing and building software; b) developing effective ways to solve computing problems, such as storing information in databases, sending data over networks or providing new approaches to security problems; and c) devising new and better ways of using computers and addressing particular challenges in areas such as robotics, computer vision, or digital forensics.

### CAREER PROSPECT IN COMPUTER SCIENCE

Software Engineer or Software Developer, Computer Programmer, Hardware Designer, Systems Analyst, Network and System Administrator, Technical Support or Support Engineer, Technical Writer, Microprocessor System Designer.

#### Faculty Profile:

- |   |                                 |
|---|---------------------------------|
| 1. Dr. Prajadhhip Sinha, M.Sc., Ph.D.       | Associate Professor & Head      |
| 2. Ms. Nuzotalu M. Veyie, B.E., M.Sc.       | Assistant Professor             |
| 3. Mr. MODOZHO Mathew Dukru, B.E., M.Sc.    | Assistant Professor & Asst. CoE |
| 4. Mrs. Mhasizovonuo Peseyie, M.C.A., M.Ed. | Assistant Professor             |



# ENGLISH

## B.A. PROGRAMME IN ENGLISH

### Structure of the UG Programme under NEP 2020

Semester	Course Code	Course Title	Credit
I	MJ-1	Indian Classical Literature	4
	MN-1	European Classical Literature	4
	MDC-1	Traditional Knowledge System	3
	AEC-1	Language-I	3
	SEC-1	Basic Course on First Aid	1+2
	VAC-1	Environmental Science	3
II	MJ-2	European Classical Literature	4
	MN-2	Indian Classical Literature	4
	MDC-2	Traditional Knowledge System	3
	AEC-2	Language-II	3
	SEC-2	Phonetics	1+2
	VAC-2	Creative Writing	3
III	MJ-3	Indian Writing in English	4
	MJ-4	British Poetry & Drama: 14 <sup>th</sup> – 17 <sup>th</sup> Century	4
	MN-3	British Poetry & Drama: 14 <sup>th</sup> – 17 <sup>th</sup> Century	4
	MDC-3	Traditional Knowledge System	3
	AEC-3	SWAYAM/Tenyidie	2
	SEC-3	Handicrafts/Music	3
IV	MJ-5	American Literature	4
	MJ-6	Popular Literature	4
	MJ-7	British Poetry & Drama: 17 <sup>th</sup> to 18 <sup>th</sup> Century	4
	MJ-8	British Literature: 18 <sup>th</sup> Century	4
	MN-4	Popular Literature	4
V	MJ-9	British Romantic Literature	4
	MJ-10	British Literature: 19 <sup>th</sup> Century	4
	MJ-11	Women's Writing	4
	MN-5	One-Act Plays	4
VI	MJ-12	British Literature: The Early 20 <sup>th</sup> Century	4
	MJ-13	Modern European Drama	4
	MJ-14	Post Colonial Literature	4
	MJ-15	Literary Criticism	4
	MJ-6	Prose	4



VII	MJ-16	Science Fiction & Detective Literature	4
	MJ-17	British Literature: Post World War 2	4
	MJ-18	Travel Writing	4
	MJ-19	Literary Theory	4
	MN-7	Poetry	4
VIII	MJ-20	Shakespeare	4
	MN-8	Language, Literature and Culture	4
	<i>Research Project/Dissertation</i>		12
<b>Total Credits</b>			<b>160</b>

## CAREER PROSPECT IN ENGLISH

Writing & Composing (Creative/block/critical), Translation (Written/oral), Teaching (Pre-school to university), Research, Civil Service, Tutors of Spoken English, Journalism, Media industry (Radio & TV), Tourism, Sales representative, Receptionist, (BPOs, offices, marts), PROs, Spokesperson, Programme presenting, Linguistics, Psycho-/Socio-Linguistics.

### Faculty Profile

- |  |                            |
|--|----------------------------|
| 1. Dr. Seyiekhrielie Whiso, M.A., Ph.D, PGDTE, NET | Associate Professor & Head |
| 2. Ms. M. Amenla, M.A.                             | Associate Professor        |
| 3. Dr. Kelhouletuonuo, M.A., Ph.D                  | Associate Professor        |
| 4. Ms. Narola Mekro, M.A.                          | Assistant Professor        |
| 5. Ms. Kevitsunuo Linyu, M.A.                      | Assistant Professor        |
| 6. Dr. Richard Dzuovichu, M.A., Ph.D               | Assistant Professor        |
| 7. Ms. Eyovono Tase, M.A., NET                     | Assistant Professor        |
| 8. Ms. Keviriebinuo Kehie, M.A, M.Phil, NET        | Assistant Professor        |





# GEOGRAPHY



## Structure of the UG Programme under NEP 2020

# B.SC./B.A. PROGRAMMES IN GEOGRAPHY

SEMESTER	CODE	COURSE TITLE	CREDITS
I	MJ-1	Physical Geography (Theory & Practical)	3+1
	MN-1	Introduction to Physical Geography (Theory & Practical)	3+1
	SEC-1	Thematic Cartography (Theory & Practical)	1+2
	VAC-1	Environmental Science	3
	MDC-1	Settlement Geography	3
	AEC-1	Language-I	3
	II	MJ-2	Human Geography (Theory & Practical)
MN-2		Introduction to Human Geography (Theory & Practical)	3+1
SEC-2		Cartographic Mapping (Theory & Practical)	1+2
VAC-2		Indian Traditional Knowledge	3
MDC-2		Fundamentals of Natural Disaster	3
AEC-2		Language-II	3
III	MJ-3	Development of Geographical Thought (Theory & Practical)	3+1
	MJ-4	Geomorphology (Theory & Practical)	3+1
	MN-3	Earth System Dynamic (Theory & Practical)	3+1
	SEC-3	Geo-Surveying (Theory & Practical)	1+2
	MDC-3	Introduction to Geomorphology	3
	AEC-3	SWAYAM/Tenyidie	2
IV	MJ-5	Economic Geography (Theory & Practical)	3+1
	MJ-6	Geography of India (Theory & Practical)	3+1
	MJ-7	Climatology (Theory & Practical)	3+1
	MJ-8	Field Work	4
	MN-4	Fundamental Climatology (Theory & Practical)	3+1
V	MJ-9	Hydrology (Theory & Practical)	3+1
	MJ-10	Population Geography (Theory & Practical)	3+1
	MJ-11	Fundamentals of Remote Sensing (Theory & Practical)	3+1
	MN-5	Geography of India (Theory & Practical)	3+1
VI	MJ-12	Geography of Northeast India & Nagaland (Theory & Practical)	3+1
	MJ-13	Regional Planning & Development (Theory & Practical)	3+1
	MJ-14	Research Methodology in Geography (Theory & Practical)	3+1
	MJ-15	Fundamentals of GIS (Theory & Practical)	3+1
	MN-6	Evolution of Geographical Thought (Theory & Practical)	3+1
VII	MJ-16	Environmental Geography (Theory & Practical)	3+1
	MJ-17	Resource & Applied Geography (Theory & Practical)	3+1
	MJ-18	Advanced Geomorphology (Theory & Practical)	3+1
	MJ-19	Statistical Geography (Theory & Practical)	3+1
	MN-7	Environmental (Theory & Practical)	3+1
VIII	MJ-20	Disaster Management (Theory & Practical)	3+1
	MN-8	Resource and Applied Geography (Theory & Practical)	3+1
	MJ21	Social Geography (Theory & Practical)	3+1
	MJ-22	Field Work(or Research Project/Dissertation(12 credits)	4
	MJ-23	Geography of Transport (Theory & Practical)	3+1
	(In lieu of MAJOR 21,22 & 23) or Research Project/ Dissertation		
<b>Total Credits</b>			<b>160</b>



## CAREER PROSPECT IN GEOGRAPHY

Civil services exams, teaching in schools/colleges/universities, Researcher, GIS and Remote Sensing specialist, geospatial analyst, Geoinformatics, Geopolitical Analyst, Urban Planner, Town Planner, Urban and Rural Development, Community development, Cartographer, Surveyor, Drafter, Enumerator, Environmental Scientist/Consultant, Climatologist, meteorologist, Conservation officer, Environment & Disaster Management, Emergency management Specialist, Geomorphologist, Hydrologist, Soil Conservationist, Water Conservation.

### Faculty Profile:

- |  |                            |
|--|----------------------------|
| 1. Ms. Rongdensüngla Longkumar, M.Sc.        | Associate Professor & Head |
| 2. Dr. Sakhoveyi Lohe, M.Sc., Ph.D           | Associate Professor        |
| 3. Mr. Selie Puro, M.Sc.                     | Assistant Professor        |
| 4. Mr. Kezhadi Leno, M.Sc., NET              | Assistant Professor        |
| 5. Mr. Kekhriele Nakhro, M.Sc., NET          | Assistant Professor        |
| 6. Ms. T.K. Medowe-u, M.Sc., NET             | Assistant Professor        |
| 7. Mr. Shevito Theyo, M.Sc., NET             | Assistant Professor        |
| 8. Dr. Zakali Ayemi, M.A., M.Phil, Ph.D, NET | Assistant Professor        |





# GEOLOGY

## Structure of the UG Programme under NEP 2020

SEMESTER	CODE	COURSE TITLE	CREDITS
I	MJ-1	Essentials of Geology (Theory & Practical)	3+1
	MN-1	Essentials of Geology (Theory & Practical)	3+1
	MDC-1	Fundamentals of Earth System Science (Theory & Practical)	2+1
	SEC-1	Water Quality Analysis (Theory & Practical)	1+2
	VAC-1	EVS	3
	AEC-1	Language-I	3
II	MJ-2	Crystallography & Mineralogy (Theory & Practical)	3+1
	MN-2	Crystallography & Mineralogy (Theory & Practical)	3+1
	MDC-2	Rocks and Minerals (Theory & Practical)	2+1
	SEC-2	Basic Geological Field Equipment's and their Applications (Theory & Practical)	1+2
	VAC-2	Mineral Resources of Nagaland	3
	AEC-2	Language-II	3
III	MJ-3	Geomorphology (Theory & Practical)	3+1
	MJ-4	Structural Geology (Theory & Practical)	3+1
	MN-3	Structural Geology & Geomorphology (Theory & Practical)	3+1
	MDC-3	Geological Hazards (Theory & Practical)	2+1
	SEC-3	Geological Mapping Techniques (Theory & Practical)	1+2
	AEC-3	SWAYAM	2
IV	MJ-5	Igneous Petrology (Theory & Practical)	3+1
	MJ-6	Sedimentary Petrology (Theory & Practical)	3+1
	MJ-7	Paleontology (Theory & Practical)	3+1
	MJ-8	Geology of Nagaland Field Work I-Basic Field Training	3 1
	MN-4	Fundamentals of Petrology (Theory & Practical)	3+1
	V	MJ-9	Metamorphic Petrology (Theory & Practical)
MJ-10		Indian Stratigraphy (Theory & Practical)	3+1
MJ-11		Hydrogeology & Engineering Geology (Theory & Practical)	3+1
MN-5		Fossils and Their Application (Theory & Practical)	3+1
VI		MJ-12	Economic Geology (Theory & Practical)
	MJ-13	Fuel Geology (Theory & Practical)	3+1
	MJ-14	Remote Sensing And GIS (Theory & Practical)	3+1
	MJ-15	Geological Fieldwork	4
	MN-6	Geology Of Nagaland Field work I- Basic Field Training	3 1
	VII	MJ-16(A)	Geochemistry (Theory & Practical)
MJ-16(B)		Introduction to Geophysics (Theory & Practical)	3+1
MJ-17(A)		Exploration Geology (Theory & Practical)	3+1
MJ-17(B)		Urban Geology (Theory & Practical)	3+1
MJ-18(A)		Environmental Geology (Theory & Practical)	3+1
MJ-18(B)		Evolution of Life Time (Theory & Practical)	3+1
MJ-19(A)		Introduction to Research Methodology Research and Publication Ethics (Theory & Practical)	3+1
MJ-19(B)		Marine Geology (Theory & Practical)	3+1
VIII	MN-7	Earth Resources (Theory & Practical)	3+1
	MJ-20	Geology of North East India (Theory & Practical)	3+1
	MN-8	Natural Hazards and Disaster Management (Theory & Practical)	3+1
	MJ-21	Ore Geology & Mining East India (Theory & Practical)	3+1
	MJ-22	Geodynamic & Tectonic Geomorphology (Theory & Practical)	3+1
	MJ-23	Optical Mineralogy & Gemology (Theory & Practical)	3+1
	(In lieu of MAJOR 21,22 & 23) or Research Project/ Dissertation		
<b>Total Credit</b>			<b>160</b>

B.SC. PROGRAMME IN GEOLOGY



# M.SC. PROGRAMME IN GEOLOGY

SEMESTER	CODE	COURSE TITLE	CREDITS
I	MGLC 1.11	Mineralogy, Crystallography and Analytical Techniques	4
	MGLC 1.21	Structural geology and Geodynamics	4
	MGLC 1.31	Igneous and Metamorphic Petrology	4
	MGLC 1.41	Sedimentology	4
	MGLC 1.12	Mineralogy, Crystallography and Analytical Techniques (Practical)	2
	MGLC 1.22	Structural geology and Geodynamics(Practical)	2
	MGLC 1.32	Igneous and Metamorphic Petrology(Practical)	2
	MGLC 2.42	Sedimentology (Practical)	2
II	MGLC 2.11	Palaeontology	4
	MGLC 2.21	Stratigraphy and Quaternary Geology	4
	MGLC 2.31	Mineral Exploration and Mining geology	4
	MGLC 2.41	Geomorphology and Oceanography	4
	MGLC 2.12	Palaeontology (Practical)	2
	MGLC 2.22	Stratigraphy and Quaternary Geology (Practical)	2
	MGLC 2.32	Mineral Exploration and Mining geology (Practical)	2
	MGLC 2.42	Geomorphology and Oceanography (Practical)	2
III	MGLC 3.11	Engineering Geology and Hydrogeology	4
	MGLC 3.21	Economic and Ore Geology	4
	MGLD 3.11(a)	Fuel Geology and Geochemistry	4
	MGLD 3.11(b)	Sedimentary Environment and Sedimentary Basins	4
	MGLD 3.11(c)	Advanced Hydrogeology	4
	MGLD 3.21(a)	Geology of North East India	4
	MGLD 3.21(b)	Petroleum Exploration	4
	MGLD 3.21(c)	Marine Geology	4
	MGLC 3.12	Engineering Geology and Hydrogeology (Practical)	2
	MGLC 3.22	Economic and Ore Geology (Practical)	2
	MGLD 3.12(a)	Fuel Geology and Geochemistry (Practical)	2
	MGLD 3.12(b)	Sedimentary Environment and Sedimentary Basins (Practical)	2
	MGLD 3.12(c)	Advanced Hydrogeology (Practical)	2
	MGLD 3.22(a)	Geology of North East India (Practical)	2
MGLD 3.22(b)	Petroleum Exploration (Practical)	2	
MGLD 3.22(c)	Marine Geology (Practical)	2	
IV	MGLC 4.11	Environmental Geology and Climatology	4
	MGLC 4.21	Remote Sensing and GIS	4
	MGLD 4.11	Field Work	4
	MGLD 4.21	Dissertation	4
	MGLC 4.12	Environmental Geology Climatology (Practical)	2
	MGLC 4.22	Remote Sensing and GIS (Practical)	2
	MGLD 4.12	Seminar	2
	MGLD 4.22	Report and Presentation	2



## CAREER PROSPECT IN GEOLOGY

Career options for geologists are available in the following Government and Private Sectors at lower, middle and senior/ top executive levels:

Indian Bureau of Mines, Atomic Energy Departments, Geological Survey of India, Oil and Natural Gas Corporation, National Mineral Development Corporation, Central Groundwater Board, Coal India Limited, Mineral Exploration Authority, Environmental Consultancy Firms, Mining Companies, Cement Companies, Geophysical Instrumentation, Geological Research Institutes and Organizations, State and Central Government Departments of Geology and Mining, Energy Companies - Reliance, Oil India, Hindustan Oil Corporation, Essar, Bharat Petroleum Corporation Limited, Leading Construction and Engineering Companies.

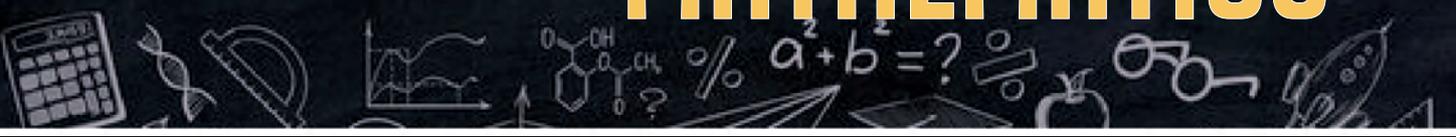
### Faculty Profile:

1. Ms. Aleno Doulo, M.Sc.	Associate Professor & Head
2. Dr. Meniele Nuh, M.Sc., Ph.D	Assistant Professor
3. Mr. Vitholeto Nagi, M.Sc., NET (on study leave)	Assistant Professor
4. Ms. Tokatoli Achumi, M.Sc., NET	Assistant Professor
5. Ms. Lorhienu Tase, M.Sc., NET	Assistant Professor
6. Mr. Francis Kikon, M.Sc., NET, GATE	Assistant Professor
7. Ms. Likumcha Yim, M.Sc., NET, GATE	Assistant Professor
8. Dr. Heizule Hegue, M.Sc., Ph.D, NET	Assistant Professor
9. Dr. Rokokhno Nakhro, M.Sc., Ph.D, NET	Assistant Professor
10. Mr. Thejakielie Meyase, M.Sc., M.Tech., NET	Assistant Professor
11. Dr. Anettsungla, M.Sc., Ph.D, NET	Assistant Professor





# MATHEMATICS



## Structure of the UG Programme under NEP 2020

# B.SC. PROGRAMME IN MATHEMATICS

SEMESTER	COURSE CODE	COURSE TITLE	CREDITS
I	MJ-1	Calculus (Theory & Practical)	3+1
	MN-1	Algebra (Theory & Practical)	3+1
	MDC-1	Introductory Mathematics	3
	SEC-1	Foundation Course in Mathematics (Theory & Practical)	1+2
	VAC-1	Environmental Science	3
	AEC-1	Language-I	3
II	MJ-2	Algebra (Theory & Practical)	3+1
	MN-2	Calculus (Theory & Practical)	3+1
	MDC-2	Quantitative Aptitude	3
	SEC-2	Programming in C (Theory & Practical)	1+2
	VAC-2(A)	Mathematics for Competitive Examinations	3
	VAC-2(B)	Vedic Mathematics	3
	AEC-2	Language-II	3
III	MJ-3	Differential Equations (Theory & Practical)	3+1
	MJ-4	Real Analysis-I	4
	MN-3	Group theory	4
	MDC-3	Vector Algebra/ SWAYAM	3
	SEC-3	Introduction to LaTeX (Theory & Practical)	1+2
	AEC-3	SWAYAM	3
IV	MJ-5	Partial Differential Equations and System of Ordinary Differential Equations (Theory & Practical)	3+1
	MJ-6	Group Theory-I	4
	MJ-7	Elementary Number Theory	4
	MJ-8	Real Analysis-II	4
	MN-4	Differential Equations (Theory & Practical)	3+1
V	MJ-9	Numerical Analysis (Theory & Practical)	3+1
	MJ-10	<b>Optional</b>	4
	MJ-11	<b>Optional</b>	4
	MN-5	Complex Variable	4
VI	MJ-12	Linear Algebra-I (Theory & Practical)	3+1
	MJ-13	Real Analysis-III	4
	MJ-14	Ring Theory	4
	MJ-15	Complex Analysis-I	4
	MN-6	Numerical Analysis (Theory & Practical)	3+1
VII	MJ-16	Ordinary Differential Equations (Theory & Practical)	3+1
	MJ-17	Complex Analysis-II	4
	MJ-18	Linear Algebra-II	4
	MJ-19	Topology	4
	MN-7	Linear Algebra (Theory & Practical)	3+1
VIII	MJ-20	Partial Differential Equations & Dissertation (Theory & Practical)	3+1
	MN-8	Ordinary Differential Equations (Theory & Practical)	3+1
	MJ-21	<b>Optional</b>	4
	MJ-22	<b>Optional</b>	4
	MJ-23	<b>Optional</b>	4
		(In lieu of MAJOR 21, 22 & 23) or Research Project/Dissertation	12
<b>Total Credit</b>			<b>160</b>

**Options for Semester V (Any two):**

1. Group Theory-II
2. Multivariate Calculus
3. Portfolio Optimization
4. Industrial Mathematics
5. Probability and Statistics
6. Theory of computation
7. Econometrics
8. Three Dimensional Geometry
9. Research Methodology

**Options for Semester VIII (Any three):**

1. Mechanics
2. Differential Geometry
3. Number Theory
4. Graph Theory
5. Operations Research-I
6. Finite Element Methods
7. Advanced LaTeX(T+P)
8. Bio-Mathematics
9. Discrete Mathematics





# M.SC. PROGRAMME IN MATHEMATICS

SEMESTER	COURSE CODE	COURSE TITLE	CREDITS
I	MMAC 1.11	Ordinary Differential Equation(Theory)	4
	MMAC 1.12	Ordinary Differential Equation(practical)	2
	MMAC 1.21	Linear Algebra	5+1
	MMAC 1.31	Real Analysis	5+1
	MMAC 1.41	Abstract Algebra	5+1
II	MMAC 2.11	Numerical Analysis	4
	MMAC 2.11	Programming in C (Practical)	2
	MMAC 2.21	General Topology	5+1
	MMAC 2.31	Classical Mechanics	5+1
	MMAC 2.41	Complex Analysis	5+1
III	MMAC 3.11	Partial Differential Equation(Theory)	4
	MMAC 3.12	Partial Differential Equation(Practical)	2
	MMAC 3.21	Functional Analysis	5+1
	MMAD 3.11	OPTIONAL	5+1
	MMAD 3.21	OPTIONAL	5+1
IV	MMAC 4.11	Mathematical Methods(Theory)	4
	MMAC 4.12	Mathematical Methods(Practical)	2
	MMAC 4.21	Rings & Modules	5+1
	MMAD 4.11	OPTIONAL**	5+1
	MMAD 4.21	OPTIONAL**	5+1/6

\*DISCIPLINE SPECIFIC ELECTIVE 1 & 2

MMAD 3.11 & MMAD 3.21

COURSE TITLE	CREDITS
Number Theory	5+1
Operation Research	5+1
Tensor Analysis & Riemannian Geometry	5+1
Measure Theory	5+1
Graph Theory	5+1
Mathematical Statistics	5+1
Field Theory	5+1
Mathematical Modeling	5+1
Multivariable Calculus	5+1

\*\*DISCIPLINE SPECIFIC ELECTIVE 3 & 4

MMAD 4.11 & MMAD 4.21

COURSE TITLE	CREDITS
Fluid Mechanics	5+1
Fourier Analysis	5+1
Algebraic Number Theory	5+1
Analytic Number Theory	5+1
Algebraic Topology	5+1
Commutative Algebra	5+1
Discrete Mathematics	5+1
Operation Research	5+1
Lie Algebra	5+1
Theory of Relativity	5+1
Game Theory	5+1
Dissertation/Project	6



## CAREER PROSPECT IN MATHEMATICS

Teaching (Schools, Colleges, Universities & Institutes), Banking, Accounting, Engineering, Actuary, Statistics, Meteorology, Programming, System Analyst. A trained mathematician can be very well employed outside academia. Government department engaged in space research (the Indian Space Research Organization, or ISRO), Defence research (Defence Research and Development Organization, or DRDO), aeronautical research (National Aeronautical Limited, or NAL), all employ mathematicians to solve their special problems. Today, Cryptology is in vogue (the systems ensuring the safety of our credit card transactions are based on some very sophisticated mathematics). Organization such as the DRDO and the Society for Electronic Transactions and Security (SETS) are interested in mathematicians with training in this area. Financial Mathematics is another area that leads to well-paid jobs. Computer giants such as the IBM and Microsoft have research departments, which have highly paid scientists who are either mathematicians or theoretical computer scientists. With the rise of big data and artificial intelligence, mathematicians with expertise in statistics, optimization, and algorithms are in demand for roles in data science and machine learning. Another emerging area is Mathematical Biology, because of the complexity of the living systems. Mathematical Biology employs several fields of mathematics and has contributed to the development of new techniques. Even as a researcher, a career in mathematics research offers the opportunity to make meaningful contributions to knowledge, tackle challenging problems, and have a positive impact on society. Thus, there are plenty of scopes for a mathematician.

### Faculty Profile:

- |  |                           |
|--|---------------------------|
| 1. Prof. Hemanta Konwar, M.Sc., Ph.D         | Professor & Head          |
| 2. Dr. Jane Roseline Yimchunger, M.Sc., Ph.D | Associate Professor       |
| 3. Ms. Vitsono Lungalang, M.Sc.              | Assistant Professor       |
| 4. Mr. Bendangwapang, M.Sc., M.Tech.         | Associate Professor       |
| 5. Mr. Teisovi Gerard Meyase, M.Sc., NET     | Assistant Professor & CoE |
| 6. Dr. Sedevikho Chase, M.Sc., Ph.D, NET     | Assistant Professor       |
| 7. Mr. Along Longchari, M.Sc., NET           | Assistant Professor       |
| 8. Ms. Shonsinle Nyenthang, M.Sc., NET       | Assistant Professor       |
| 9. Dr. Aronthung S. Odyuo, M.Sc., Ph.D       | Assistant Professor       |

# PHYSICS

## Structure of the UG Programme under NEP 2020

# B.SC. PROGRAMME IN PHYSICS

SEMESTER	CODE	COURSE TITLE	CREDITS
I	MJ-1	Mechanics (Theory & Practical)	3+1
	MN-1	Mechanics (Theory & Practical)	3+1
	MDC-1(A)	General Physics-1	3
	MDC-1(B)	Introduction to Atmosphere Physics	3
	SEC-1(A)	Basic Instrumentation skills (Theory & Practical)	1+2
	SEC-1(B)	Physics Workshop Skill (Theory & Practical)	1+2
	VAC-1	Environmental Science	3
	AEC-1	Language-I	3
II	MJ-2	Electricity and Magnetism (Theory & Practical)	3+1
	MN-2	Electricity and Magnetism (Theory & Practical)	3+1
	MDC-2(A)	General Physics-2	3
	MDC-2(B)	Introduction to Astronomy	3
	SEC-2(A)	Radiation Safety (Theory & Practical)	1+2
	SEC-2(B)	Electrical circuit skills (Theory & Practical)	1+2
	VAC-2	Foundation Course in Indian Knowledge System	3
	AEC-2	Language-II	3
III	MJ-3	Mathematical Physics-I (Theory & Practical)	3+1
	MJ-4	Wave & Optics (Theory & Practical)	3+1
	MN-3	Mathematical Physics-I (Theory & Practical)	3+1
	MDC-3(A)	Introduction to Nano Physics	3
	MDC-3(B)	Water Science	3
	SEC-3(A)	Renewable Energy and Energy Harvesting (Theory & Practical)	1+2
	SEC-3(B)	Introduction to Python (Theory & Practical)	1+2
	AEC-2	SWAYAM	2
IV	MJ-5	Mathematical Physics-II (Theory & Practical)	3+1
	MJ-6	Thermal Physics-II (Theory & Practical)	3+1
	MJ-7	Elements of Modern Physics (Theory & Practical)	3+1
	MJ-8	Condensed Matter Physics (Theory & Practical)	3+1
	MN-4	Thermal and Statistical Physics (Theory & Practical)	3+1
V	MJ-9	Mathematical Physics-III (Theory & Practical)	3+1
	MJ-10	Analog Electronics (Theory & Practical)	3+1
	MJ-11	Classical Mechanics (Theory & Practical)	3+1
	MN-5	Electrodynamics (Theory & Practical)	3+1
VI	MJ-12	Quantum Physics-I	4
	MJ-13	Statistical Mechanics (Theory & Practical)	3+1
	MJ-14	Electrodynamics (Theory & Practical)	3+1
	MJ-15	Digital Electronics (Theory & Practical)	3+1
	MN-6	Elements of Modern Physics (Theory & Practical)	3+1



VII	MJ-16	Advanced Mathematical Physics	4
	MJ-17	Atomic and Molecular (Theory & Practical)	3+1
	MJ-18(A)	Condensed Matter Physics-II (Theory & Practical)	3+1
	MJ-18(B)	Computational Physics (Theory & Practical)	3+1
	MJ-18(C)	Bio-Physics (Theory & Practical)	3+1
	MJ-19(A)	Advance Statistical Mechanics	4
	MJ-19(B)	Experimental Techniques (Theory & Practical)	3+1
	MJ-19(C)	Atmosphere Physics (Theory & Practical)	3+1
	MN-7	Quantum Mechanics (Theory & Practical)	3+1
VIII	MJ-20	Quantum Mechanics-II	4
	MN-8	Electronics (Theory & Practical)	3+1
	MJ-21	Nuclear and Particle Physics (Theory & Practical)	3+1
	MJ-22(A)	Embedded Systems-Introduction to Microcontroller (Theory & Practical)	3+1
	MJ-22(B)	Geo-Physics	4
	MJ-23(A)	Nano Physics (Theory & Practical)	3+1
	MJ-23(B)	Astronomy and Astrophysics (Theory & Practical)	3+1
		(In lieu of MAJOR 21, 22 &23)or Research Project/Dissertation	12
<b>Total Credits</b>			<b>160</b>

# M.SC. PROGRAMME IN PHYSICS

SEMESTER	CODE	COURSE TITLE	CREDITS
I	MPHC 1.11	Classical Mechanics	5+1
	MPHC 1.21	Quantum Mechanics-I	5+1
	MPHC 1.31	Mathematical Physics	4
	MPHC 1.41	Statistical Mechanics	5+1
	MPHC 1.32	Mathematical Physics	2
II	MPHC 2.11	Electrodynamics	4
	MPHC 2.21	Quantum Mechanics-II	5+1
	MPHC 2.31	Nuclear & Particle Physics	4
	MPHC 2.41	Condensed Matter Physics	4
	MPHC 2.22	Electrodynamics	2
	MPHC 2.32	Nuclear & Particle Physics	2
	MPHC 2.42	Condensed Matter Physics	2



III	MPHC 3.11	Embedded Systems: Introduction to Microcontrollers	4
	MPHC 3.21	Atomic & Molecular Spectroscopy	4
	MPHC 3.12	Embedded Systems: Introduction to Microcontrollers	2
	MPHC 3.22	Atomic & Molecular Spectroscopy	2
	MPHD 3.11(a)	Nano Science	4
	MPHD 3.11(b)	Remote Sensing of the atmosphere	4
	MPHD 3.11(c)	High Energy Physics	5+1
	MPHD 3.21(a)	Astronomy and Astrophysics	4
	MPHD 3.21(b)	Digital Signal Processing	4
	MPHD 3.21(c)	Plasma Physics	5+1
	MPHD 3.12(a)	Nano Science	2
	MPHD 3.12(b)	Remote Sensing of the atmosphere	2
	MPHD 3.22(a)	Astronomy and Astrophysics	2
	MPHD 3.22(b)	Digital Signal Processing	2
IV	MPHC 4.11	Computational Physics	4
	MPHC 4.21	Experimental Methods	4
	MPHC 4.12	Computational Physics	2
	MPHC 4.22	Experimental Methods	2
	MPHD 4.11(a)	Atmospheric Physics	4
	MPHD 4.11(b)	Applied Dynamics	5+1
	MPHD 4.11(c)	Communication Electronics	4
	MPHD 4.12(a)	Atmosphere Physics	2
	MPHD 4.12(c)	Communication Electronics	2
	MPHD 4.21	Dissertation	6





## CAREER PROSPECT IN PHYSICS

There are several career options for Physics graduates. Some of the career paths are highlighted:

**Teaching:** Physics graduates can pursue a career in teaching, working as professors, lecturers or teachers at universities, colleges or schools.

**Academic Research:** Physics graduates can pursue a career in academic research, working as research assistants, research fellows or scientists at various research institutions such as the Indian Institutes of Technology (IITs), Indian Institute of Science (IISc), Indian Institutes of Science Education and Research (IISERs), Tata Institute of Fundamental Research (TIFR), Bhabha Atomic Research Centre (BARC), Space Physics Laboratory (SPL), Institute for Plasma Research (IPR), Indian Institute of Astrophysics (IIA), Raman Research Institute (RRI), Physical Research Laboratory (PRL), Saha Institute of Nuclear Physics (SINP), Inter University Accelerator Center (IUAC), Indian Institute of Space Science and Technology (IIST), Indira Gandhi Centre for Atomic Research (IGCAR), Indian Institute of Geomagnetism (IIG), Indian Institute of Tropical Meteorology (IITM) and a host of other top research institutes.

**Science Communication:** Physics graduates can also work as science communicators, science writers or journalists, popularizing scientific knowledge to the general public through various media channels.

**Data Science:** Physics graduates with strong mathematical and computational skills are highly sought after in the field of data science, which involves analyzing and interpreting large amounts of data.

In addition to these options, there are also opportunities for Physics graduates in government organizations such as the Department of Atomic Energy (DAE), India Meteorological Department (IMD), Defence Research and Development Organisation (DRDO) and the Indian Space Research Organization (ISRO), as well as in private companies such as software development firms, research and development labs, and consulting firms.

Overall, the career prospects for Physics graduates are diverse and promising, with many opportunities for growth and development in a range of fields.

### Department of Physics

1. Dr. Chetan Kachhara, M.Sc., Ph.D	Associate Professor & Head
2. Mr. Veta Nyieniu, M.Sc.,	Assistant Professor
3. Dr. Talinungsang, M.Sc., Ph.D	Associate Professor
4. Dr. Imlisunup Pongener, M.Sc., Ph.D.	Associate Professor
5. Mr. Dipak Nath, M.Sc.	Associate Professor
6. Dr. Meripeni Ezung, M.Sc., M.Phil, Ph.D.	Associate Professor
7. Mr. Samuel Ao, M.Sc.	Associate Professor
8. Mr. Mangliyangba, M.Sc., NET (On Study Leave)	Assistant Professor
9. Mr. Subenthung Tsopoe, M.Sc., NET	Assistant Professor
10. Dr. Visuzoto Valeo, M.Sc., Ph.D, NET	Assistant Professor



# STATISTICS

## Structure of the UG Programme under NEP 2020

# B.SC. PROGRAMME IN STATISTICS

SEMESTER	CODE	COURSE TITLE	CREDITS
I	MJ-1	Descriptive Statistics & Probability Theory (Theory & Practical)	3+1
	MN-1	Descriptive Statistics & Probability Theory (Theory & Practical)	3+1
	MDC-1	Statistical Method (Theory & Practical)	2+1
	AEC-1	Language-I	3
	SEC-1	MS-Excel and R (Theory & Practical)	1+2
	VAC-1	Environmental Studies	3
II	MJ-2	Probability Distribution and Correlation Analysis (Theory & Practical)	3+1
	MN-2	Probability Distribution and Correlation Analysis (Theory & Practical)	3+1
	MDC-2	Testing of Hypothesis (Theory & Practical)	2+1
	AEC-2	Language-II	3
	SEC-2	Statistical Data Analysis Using Software Package (SPSS) (Theory & Practical)	1+2
	VAC-2(A)	Indian Knowledge System(IKS): Indian Culture and Civilization	3
VAC-2(B)	Healthcare System and Policies	3	
III	MJ-3	Statistical Inference (Theory & Practical)	3+1
	MJ-4	Calculus	4
	MN-3	Statistical Inference (Theory & Practical)	3+1
	MDC-3	Applied Statistics (Theory & Practical)	2+1
	AEC-2	SWAYAM	2
	SEC-3	Statistical Computing Using C/C++ Programming (Theory & Practical)	1+2
IV	MJ-5	Sampling Distributions, Non-Parametric, Theory of Attributes and Order Statistics (Theory & Practical)	3+1
	MJ-6	Survey Sampling (Theory & Practical)	3+1
	MJ-7	Algebra	4
	MJ-8	Applied Statistics (Theory & Practical)	3+1
	MN-4	Sampling Distributions, Non-Parametric, Theory of Attributes and Order Statistics (Theory & Practical)	3+1
V	MJ-9	Linear Models and ANOVA (Theory & Practical)	3+1
	MJ-10	Time Series Analysis (Theory & Practical)	3+1
	MJ-11	Demography (Theory & Practical)	3+1
	MN-5	Survey Sampling Design of Experiment (Theory & Practical)	3+1
VI	MJ-12	Stochastic Processes and Queuing Theory (Theory & Practical)	3+1
	MJ-13	Design of Experiments (Theory & Practical)	3+1
	MJ-14	Operations Research (Theory & Practical)	3+1
	MJ-15	Numerical Analysis and Bivariate Normal Distribution (Theory & Practical)	3+1
	MN-6	Applied Statistics (Theory & Practical)	3+1
VII	MJ-16	Mathematical Analysis	4
	MJ-17	Statistical Quality Control (Theory & Practical)	3+1
	MJ-18	Applied Multivariate Analysis (Theory & Practical)	3+1
	MJ-19	Econometrics (Theory & Practical)	3+1
	MN-7	Demography (Theory & Practical)	3+1
VIII	MJ-20	Research Methodology	4
	MN-8	Time Series Analysis (Theory & Practical)	3+1
	MJ-21	Reliability Theory (Theory & Practical)	3+1
	MJ-22	Biostatistics and Epidemiology (Theory & Practical)	3+1
	MJ-23	Statistics for Sustainable Development	4
(In lieu of MAJOR 21, 22 & 23) or Research Project/Dissertation			12
<b>Total Credit</b>			<b>160</b>



## CAREER PROSPECT IN STATISTICS

Statistical officer, Research Officer, Banking sector, Management, Computer administration, Through UPSC or staff selection Commission (SSC): Indian Statistical Service, Statistical Inspector / Investigator, Research Investigator, Research , Officer, Data analyst in Census department, NSSO, CSO, etc.

Through NPSC: Assistant Professor, Research Officer in Planning and Development Dept., Statistical Officer , Statistical Investigator / Investigator under Directorate of Economic and Statistics, and various department under State Government.

Students with M.Sc. in Data Analysis and M.Sc. in Bio-statistics, or an MSc in Population Studies have good chances of job opportunities in Industrial or allied sectors.

### Faculty Profile

- |  |                            |
|--|----------------------------|
| 1. Dr. Pallab Changkakoti, M.Sc., Ph.D, PGDCA.   | Associate Professor & Head |
| 2. Dr. Seikh Faruk Ahmed, M.Sc., Ph.D, (on lien) | Associate Professor        |
| 3. Ms. Tzudina Jamir, M.Sc., NET                 | Assistant Professor        |
| 4. Ms. Khrietsonuo, M.Sc., NET                   | Assistant Professor        |
| 5. Ms. Rovila Jinger, M.Sc., NET                 | Assistant Professor        |
| 6. Ms. Vibunu Sothu, M. Sc.                      | Assistant Professor        |







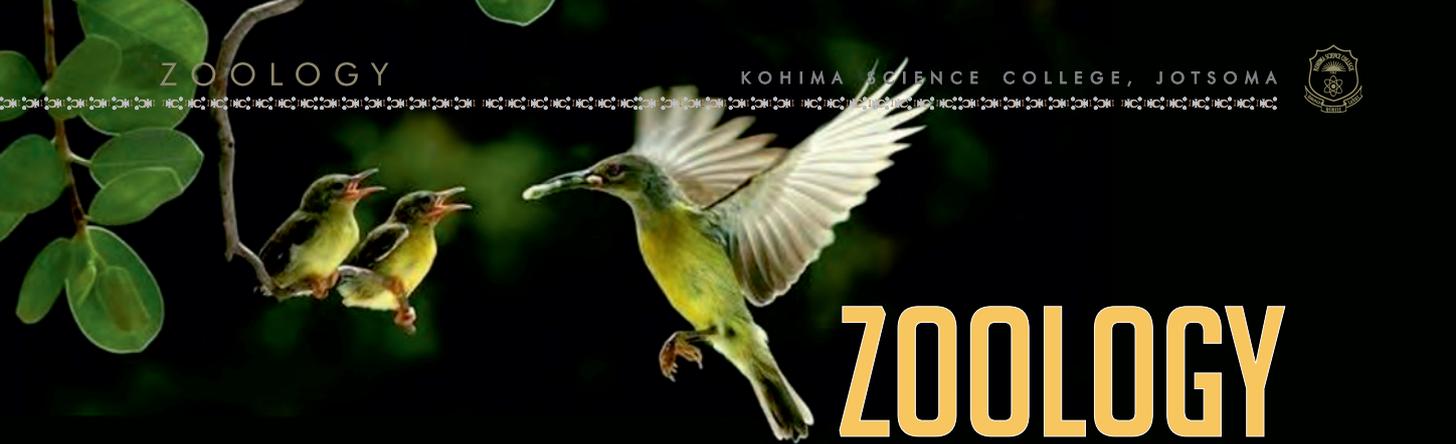
VII	MJ-16	Die DzeKephru (Theory)	3
		Die se pecukelieDorhuko (Practical)	1
	MJ-17	Nacunanyu Mu Kepele (Theory)	3
		Thetsa Mharie Mu Rukhruo Mhathu (Field trip and Report Writing)	1
	MJ-18	English Fiction (Theory)	4
	MJ-19	Introduction to Language and Branches of Linguistics (Theory)	4
	MN-7	Die DzeKephru (Theory)	3
Die se pecukelieDorhuko (Practical)		1	
VIII	MJ-20	U ThemiaMhasiKesou (Theory)	3
		ThedzieMhathochupieKecapukelie (Practical)	1
	MN-8	U ThemiaMhasiKesou(Theory)	3
		ThedzieMhathochupieKecapukelie (Practical)	1
	MJ-21	Tenyidie Invocational and Lyrical Poetry(Theory)	3
		Ruheja Mu Geizo: PhruDojuecu (Practical)	1
	MJ-22	LhenuKinyiko (Theory)	3
		ChüDojü mu KerüguoDorhü (Practical)	1
	MJ-23	Speech Sound and Phonetics Transcription (Theory)	4
		(In lieu of MAJOR 21, 22 &23)or Research Project/Dissertation	12
<b>Total Credit</b>			<b>160</b>

## CAREER PROSPECT IN TENYIDIE

Writing and Composing (Creative/block/critical), Translation (Written/Oral), Teaching (pre-school to University), Research, Civil Service, Tutors of spoken Tenyidie, Journalism, Media Industry (Radio), Preservation of Traditional Cultures (Folk-lore, Folk-music, Cultural Values, Social Values)

### Faculty Profile:

- |                                     |                            |
|-------------------------------------|----------------------------|
| 1. Ms. Vizomenuo Merlyn Yhome, M.A. | Assistant Professor & Head |
| 2. Ms. Sepole Hesuh, M.A.           | Assistant Professor        |
| 3. Mr. Vimedo Keyho, M.A.           | Assistant Professor        |
| 4. Ms. Vilehunuo, M.A.              | Assistant Professor        |
| 5. Mr. Nüveta Khusoh, M.A.          | Assistant Professor        |



# ZOOLOGY

## B.SC. PROGRAMME IN ZOOLOGY

### Structure of the UG Programme under NEP 2020

SEMESTER	CODE	COURSE TITLE	CREDITS
I	MJ-1	Non-chordates 1: Protozoans to pseudocoelomates (Theory & Practical)	3+1
	MN-1	Non-chordates 1: Protozoans to pseudocoelomates (Theory & Practical)	3+1
	MDC-1(A)	Traditional Knowledge System -1 (Theory& Practical)	2+1
	MDC-1(B)	Wildlife Conservation & Management -1	3
	SEC-1(A)	Apiculture (Theory & Practical)	1+2
	SEC-1(B)	Aquarium Fish Keeping (Theory & Practical)	1+2
	AEC-1	Language-I	3
	VAC-1	Environmental Studies	3
II	MJ-2	Non-chordates II: Coelomates (Theory & Practical)	3+1
	MN-2	Non-chordates II: Coelomates (Theory & Practical)	3+1
	MDC-2(A)	Traditional Knowledge System -2 ( Theory& Practical)	2+1
	MDC-2(B)	Wildlife Conservation & Management -2	3
	SEC-2(A)	Medical Diagnostics (Theory& Practical)	1+2
	SEC-2(B)	Sericulture (Theory & Practical)	1+2
	AEC-2	Language-II	3
	VAC-2	Food, Nutrition and Health (Theory)	3
III	MJ-3	Diversity of Chordates ( Theory& Practical)	3+1
	MJ-4	Cell Biology ( Theory& Practical)	3+1
	MN-3	Cell Biology ( Theory& Practical)	3+1
	MDC-3	Fundamentals of Life Science	3
	SEC-3(A)	Vermicomposting techniques (Theory & Practical)	1+2
	SEC-3(B)	Poultry Management ( Theory& Practical)	1+2
	AEC-3	SWAYAM/Tenyidie	2
	IV	MJ-5	Fundamentals of Biochemistry (Theory & Practical)
MJ-6		Comparative Anatomy of Vertebrates (Theory & Practical)	3+1
MJ-7		Principals of Ecology (Theory & Practical)	3+1
MJ-8		Physiology: Controlling and Coordinating Systems (Theory & Practical)	3+1
MN-4		Physiology: Controlling and Coordinating Systems (Theory & Practical)	3+1
V	MJ-9	Physiology: Life Sustaining Systems (Theory & Practical)	3+1
	MJ-10	Biochemistry of Metabolic Processes (Theory & Practical)	3+1
	MJ-11	Development Biology (Theory & Practical)	3+1
	MN-5	Development Biology (Theory & Practical)	3+1
VI	MJ-12	Principal of genetics (Theory & Practical)	3+1
	MJ-13	Biosystematics and Evolutionary Biology (Theory & Practical)	3+1
	MJ-14	Animal Behaviour and Chronobiology (Theory & Practical)	3+1
	MJ-15	Environmental and Public Health (Theory & Practical)	3+1
	MN-6	Environmental and Public Health (Theory & Practical)	3+1



VII	MJ-16(A)	Fish biology -I (Theory & Practical)	3+1
	MJ-16(B)	Entomology -I (Theory & Practical)	3+1
	MJ-17	Biotechniques and Biostatistics (Theory & Practical)	3+1
	MJ-18	Research methodology (Theory & Practical)	3+1
	MJ-19	Endocrinology (Theory & Practical)	3+1
	MN-7	Endocrinology (Theory & Practical)	3+1
VIII	MJ-20(A)	Fish biology -II (Theory & Practical)	3+1
	MJ-20(B)	Entomology -II (Theory & Practical)	3+1
	MN-8	Parasitology (Theory & Practical)	3+1
	MJ-21	Immunology (Theory & Practical)	3+1
	MJ-22	Reproductive biology (Theory & Practical)	3+1
	MJ-23	Parasitology (Theory & Practical)	3+1
			(In lieu of MAJOR 21,22 & 23) or Research Project/ Dissertation
<b>Total Credit</b>			<b>160</b>



# Into the Wild

A Short Film



# M.SC. PROGRAMME IN ZOOLOGY

SEMESTER	CODE	COURSE TITLE	CREDITS
I	MZOC 1.11	Genetics & Cytogenetics	4
	MZOC 1.21	Biochemistry	4
	MZOC 1.31	Biosystematics & Evolutionary Biology	4
	MZOC 1.41	Developmental Biology	4
	MZOC 1.12	Genetics & Cytogenetics (Practical)	2
	MZOC 1.22	Biochemistry (Practical)	2
	MZOC 1.32	Biosystematics & Evolutionary Biology (Practical)	2
	MZOC 1.42	Developmental Biology (Practical)	2
II	MZOC 2.11	Cell & Molecular Biology	4
	MZOC 2.21	Animal Physiology	4
	MZOC 2.31	Techniques in Biology	4
	MZOC 2.41	Immunology	4
	MZOC 2.12	Cell & Molecular Biology (Practical)	2
	MZOC 2.22	Animal Physiology (Practical)	2
	MZOC 2.32	Techniques in Biology (Practical)	2
	MZOC 2.42	Immunology (Practical)	2
III	MZOC 3.11	Parasitology	4
	MZOC 3.21	Proteomic & Enzymology	4
	MZOC 3.12	Parasitology (Practical)	2
	MZOC 3.22	Proteomic & Enzymology (Practical)	2
	MZOD 3.11(a)	Endocrinology-I	4
	MZOD 3.11(b)	Fish Biology-I	4
	MZOD 3.11(c)	Limnology-I	4
	MZOD 3.11(d)	Entomology-I	4
	MZOD 3.12(a)	Endocrinology-I (Practical)	2
	MZOD 3.12(b)	Fish Biology-I (Practical)	2
	MZOD 3.12(c)	Limnology-I (Practical)	2
	MZOD 3.12(d)	Entomology-I (Practical)	2
MZOD 3.21	Research Methodology	6	
IV	MZOC 4.11	Ecology & Environmental Biology	4
	MZOC 4.21	Animal Behaviour & Chronobiology	4
	MZOC 4.12	Ecology & Environmental Biology (Practical)	2
	MZOC 4.22	Animal Behaviour & Chronobiology (Practical)	2
	MZOD 4.11(a)	Endocrinology-I	4
	MZOD 4.11(b)	Fish Biology-I	4
	MZOD 4.11(c)	Limnology-I	4
	MZOD 4.11(d)	Entomology-I	4
	MZOD 4.12(a)	Endocrinology-I (Practical)	2
	MZOD 4.12(a)	Fish Biology-I (Practical)	2
	MZOD 4.12(b)	Limnology-I (Practical)	2



## CAREER PROSPECT IN ZOOLOGY

Teaching, Research, IFS, Conservationist, Environmentalist, Biotechnology, Bioinformatics, Environmental Science, ICAR, Zoo/Animal Keeper, Laboratory Assistant, Technician, Hospitals and Clinics, Pharmacy, Ecologist, Entomologist, Nutritionist, Bee Keeping, Sericulture, Fisheries, Pathologist.

### Faculty Profile:

- |  |                              |
|--|------------------------------|
| 1. Dr. Anungla Pongener, M.Sc., Ph.D         | Associate Professor & Head   |
| 2. Prof. Limatemjen, M.Sc., Ph.D             | Professor & Dean of Sciences |
| 3. Ms. Katsinliu Remmei, M. Sc.              | Associate Professor          |
| 4. Dr. Vethselo Doulo, M.Sc., Ph.D, NET      | Associate Professor          |
| 5. Ms. Venolu Kezo, M.Sc.                    | Associate Professor          |
| 6. Mr. Chiratho M. Nyuwi, M.Sc., PGDDM       | Assistant Professor          |
| 7. Ms. Rusokhrienuo Theunuo, M.Sc.           | Assistant Professor          |
| 8. Dr. Lilongchem Thyüg, M.Sc., Ph.D         | Associate Professor          |
| 9. Ms. Luiluile Lungalang, M.Sc., NET, B.Ed. | Assistant Professor          |
| 10. Mr. Shanglow LN Konyak, M.Sc., NET       | Assistant Professor          |
| 11. Dr. Ruokuovikho Dominic, M.Sc., Ph.D     | Assistant Professor          |

## VALUE ADDED COURSE (VAC)

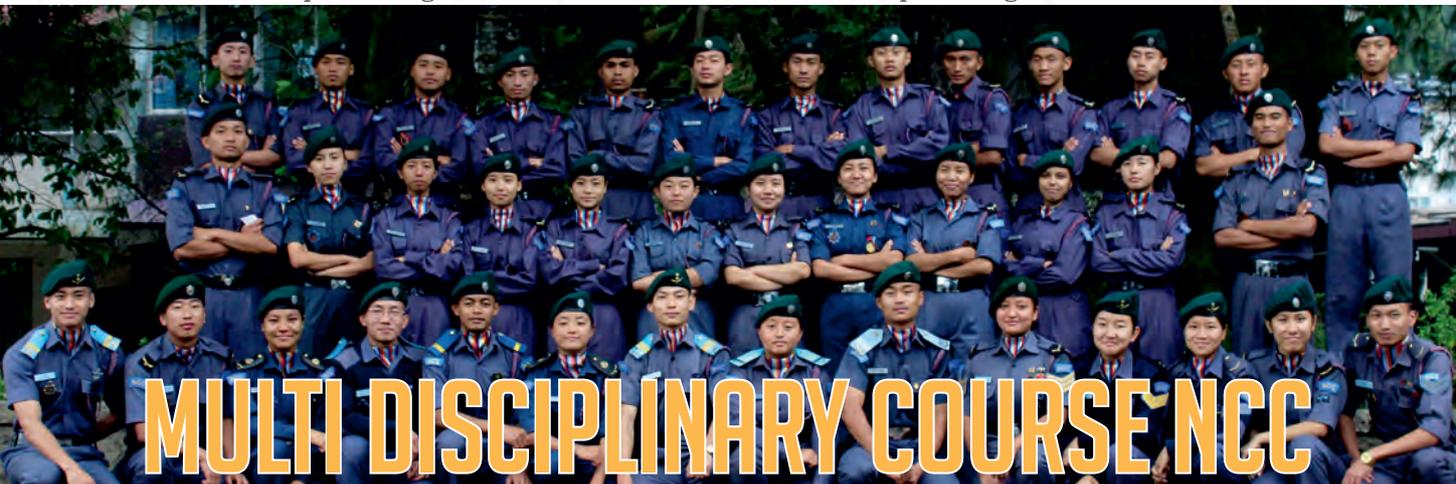
### Environmental Science

Environmental Science is a compulsory subject under VAC in the first semester of the B.Sc./B.A. programme. In the absence of a full-fledged Environmental Science department, a committee oversees the implementation of this paper.

1. Mr. Kenneth Punyü, (Convener) Associate Professor, Chemistry
2. Ms. Vineino Rhetso, Associate Professor, Chemistry
3. Mr. Kekhriele Nakhro, Assistant Professor, Geography
4. Mr. Shevito Theyo, Assistant Professor, Geography

### Add-On Certificate Courses (Self-financing Course)

1. Beauty & Wellness, I/c Dr. Meniele Nuh, Dept. of Geology
2. Robotics, I/c Dr. Visuzoto Valeo, Dept. of Physics
3. Spoken English, I/c Ms. Veriekhonuo Keretsü, Dept. of English



## CAREER PROSPECT IN NCC

Possessing NCC 'C' Certificate (at least Grade B) with Graduate degree can get direct entry in Indian Military of various branches through SSB without UPSC examination. 64 vacancies reserved every year for NCC -C' Certificate holders in Indian Army irrespective of merit in SSB. 100 vacancies Direct Entry in CDSE for Short Service Commissioned Officers in the Indian Army through direct SSB Interview every year. 2 years age relaxation for NCC 'C' Certificate holders in SSB Interview. 10% of all available seats are reserved for NCC -C' Certificate (Air Wing) holders in Regular Officers in Indian Air Force including Pilot courses, no UPSC Examinations. Additional marks and preference for entry into the Paramilitary Forces and Central Police Forces as officers and various other ranks. The course curriculum is to create a human resource of highly organised, trained, disciplined and motivated youth, to provide leadership in all walks of life and always be available for the service of the society and nation at large.

### FACULTY PROFILE:

- |                        |     |
|------------------------|-----|
| 1. Capt. T K Medoweu   | ANO |
| 2. Lieut. Savilie Yhor | ANO |
| 3. Dr. Visuzoto Valeo  | CTO |



## LIBRARY

- |                                |                   |
|--------------------------------|-------------------|
| 1. Mr. Noketo Pusa, MLISc, NET | Librarian         |
| 2. Mr. Mhasilevi Peseyie       | Library Assistant |
| 3. Mr. Kevisesilie Peseyie     | Library Bearer    |

## IT & COMMUNICATION

- |                          |                      |
|--------------------------|----------------------|
| Er. Neilhite Kapfo, B.E. | System Administrator |
|--------------------------|----------------------|

## MINISTERIAL STAFF

- |                               |                              |
|-------------------------------|------------------------------|
| 1. Mr. Vemutha Chakhesang     | H.A                          |
| 2. Ms. Ajungla Longkumer      | U.D.A                        |
| 3. Mr. Zhapota Kezo           | Accountant                   |
| 4. Ms. Teisovi-ü              | Stenographer                 |
| 5. Ms. Neimeseü Mero          | U.D.A                        |
| 6. Ms. Ongla Phom             | U.D.A                        |
| 7. Ms. Sentijungla Imsong     | L.D.A                        |
| 8. Ms. Vikedono Justine Zinyü | U.D.A                        |
| 9. Mr. Amudo Nenuh            | L.D.A cum Computer Assistant |
| 10. Mr. I. Imliwapang         | L.D.A cum Computer Assistant |
| 11. Ms. Ruuvonuo Chiele       | L.D.A cum Computer Assistant |
| 12. Mr. Sukho Domeh           | L.D.A cum Computer Assistant |

## SENIOR TECHNICIANS

- |                                  |              |
|----------------------------------|--------------|
| 1. Ms. Vikehien Ltu, M.Sc., NET  | Anthropology |
| 2. Dr. Phejin Konyak, M.Sc, Ph.D | Botany       |
| 3. Ms. Khrüvonuo Kiso, M.Sc.     | Physics      |
| 4. Ms. Yangthei Y, M.Sc., B.Ed.  | Zoology      |

## LABORATORY ASSISTANTS

- |                           |                     |
|---------------------------|---------------------|
| 1. Ms. Vidilhuno Peseyie  | Geology             |
| 2. Ms. Mendila Aier       | Chemistry           |
| 3. Mr. Keneikiekho Nakhro | Physics             |
| 4. Mr. Rhinyi             | Herbarium Assistant |
| 5. Ms. Rokozhano Nisa     | Geography           |
| 6. Ms. Vizomenuo          | Anthropology        |
| 7. Mr. Bovito Chopi       | Physics             |
| 8. Ms. Meyatula Longkumer | Botany              |
| 9. Mr. Neilakuolie        | Chemistry           |
| 10. Mr. Neilako Nakhro    | Statistics          |



Government of Nagaland  
Office of the Principal : Kohima Science College  
(An Autonomous Government PG College )  
Jotsoma, Nagaland

### ACADEMIC CALENDAR 2025

Sl No	Event	Date	Day
1	Re-commencement of Even Semester	28 Jan	Tue
2	Readmissions to Even Semesters	10 Feb to 17 Feb	Mon to Mon
3	1st Internal Assessment Tests for Even Semesters	17 Feb to 24 Feb	Mon to Mon
4	PhD Coursework Examinations	17 Feb to 28 Feb	Mon to Fri
5	National Science Day	28 Feb	Fri
6	Cultural Day	07 Mar	Fri
7	2nd Internal Assessment Tests for Even Semesters	17 Mar to 24 Mar	Mon to Mon
8	Boards of Studies Meetings	Apr	Apr
9	Submission of Internal Assessment Marks	11 Apr	Fri
10	Parting Social	16 Apr	Wed
11	Publication of Qualified List	22 Apr	Tue
12	Form Filling for End Semesters Examinations	23 Apr	Wed
13	Even End Semesters Examinations (UG Theory)	29 Apr to 16 May	Tue to Fri
14	Academic Council Meeting	May	May
15	Fieldworks / Dissertations / Skill Enhancement / Vocational Courses	17 May to 31 May	Sat to Sat
16	Even End Semesters Examinations (PG Theory)	19 May to 31 May	Mon to Sat
17	World Environment Day	05 Jun	Thu
18	Commencement of Odd Semesters (UG)	01 Jul	Tue
19	Readmissions to Odd Semesters	01 Jul to 11 Jul	Tue to Fri
20	Supplementary Examinations	14 Jul to 23 Jul	Mon to Wed
21	Students' Union Election	25 Jul	Fri
22	Freshers' Social	08 Aug	Fri
23	1st Internal Assessment Tests for Odd Semesters	11 Aug to 18 Aug	Mon to Mon
24	Boards of Studies Meetings	Sep	Sep
25	College Foundation Day	15 Sep	Mon
26	2nd Internal Assessment Tests for Odd Semesters	18 Sep to 25 Sep	Thu to Thu
27	Submission of Internal Assessment Marks	03 Oct	Fri
28	Publication of Qualified List	07 Oct	Tue
29	Form Filling for End Semesters Examinations	08 Oct	Wed
30	Odd End Semesters Examinations (UG Theory)	21 Oct to 04 Nov	Tue to Tue
31	Academic Council Meeting	Nov	Nov
32	Alumni Day	Nov	Nov
33	Commencement of Even Semesters (UG)	06 Nov	Thu
35	Readmissions to Even Semesters	06 Nov to 15 Nov	Thu to Sat
34	National Education Day	11 Nov	Tue
36	Even End Semesters Examinations (PG Theory)	17 Nov to 29 Nov	Mon to Sat
37	WinFest	08 Dec to 13 Dec	Mon to Sat
38	Staff Council Meeting	15 Dec	Mon

Dr Temjenwabang  
Principal

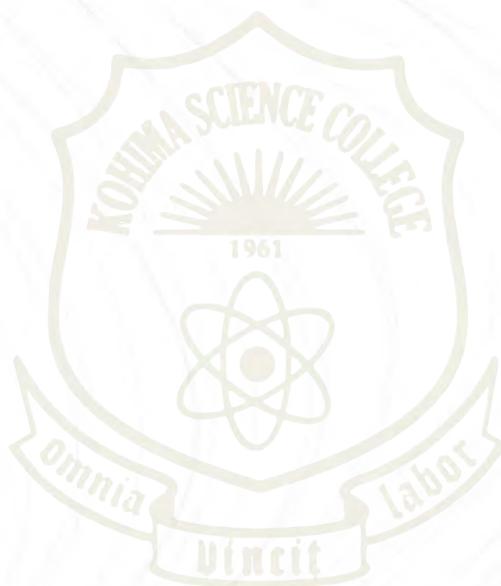


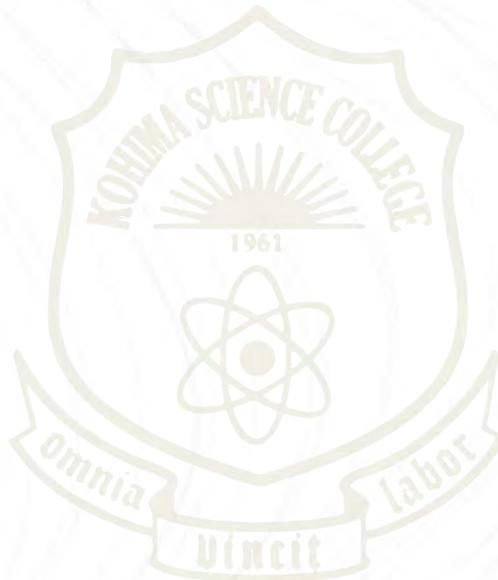
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### HOLIDAY LIST 2025

Sl No	On account of	Date		Day		No. of Days with Sundays & non-working Saturdays	No. of Days without Sundays & non-working Saturdays
		From	To	From	To		
1	Winter Break (with New Year's Day / Republic Day)	01-01-2025	27-01-2025	Wed	Mon	27	21
2	Holi	14-03-2025		Fri		1	1
3	Id-ul-Fitr	31-03-2025		Mon		1	1
4	Easter Holidays	17-04-2025	21-04-2025	Thu	Mon	5	4
5	Summer Break (with Id-ul-Zuha)	01-06-2025	30-06-2025	Sun	Mon	30	24
6	Independence Day	15-08-2025		Fri		1	1
7	Janmashtami	16-08-2025		Sat		1	1
8	Id-E-Milad	05-09-2025		Fri		1	1
9	Durga Puja / Mahatma Gandhi's Birthday	01-10-2025	02-10-2025	Wed	Thu	2	2
10	Diwali	20-10-2025		Mon		1	1
11	Guru Nanak's Birthday	05-11-2025		Wed		1	1
12	State Inauguration Day	01-12-2025		Mon		1	1
13	Winter Break (with Christmas)	16-12-2025	31-12-2025	Tue	Wed	16	13
Sub-total						88	72
Sundays & non-working Saturdays not included						60	76
<b>Total</b>						<b>148</b>	

Dr Temjenwabang  
Principal







## THE COLLEGE *Anthem*

*Science College, Kohima  
Thy name we adore, we do;  
To thee we come, all in unity  
Let us find the truth we seek.  
To the unknown as we go sailing,  
With our God as our Captain,  
Omnia Vincit Labor  
Let thy motto be our guide.*

**MR. KIREMWATI AO**  
Former Principal  
Kohima Science College



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AN AUTONOMOUS GOVERNMENT P.G. COLLEGE  
JOTSOMA, KOHIMA - 797002, NAGALAND

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