

KOHIMA SCIENCE COLLEGE

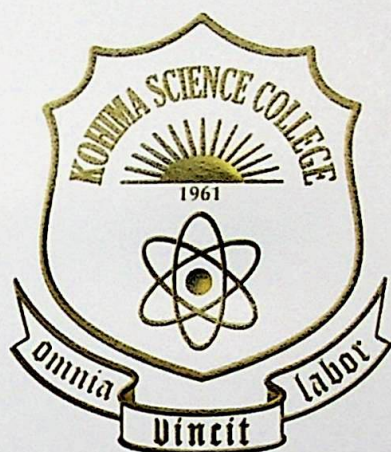
(An Autonomous Government P.G. College)

Jotsoma, Kohima-797002, Nagaland
(NAAC Accredited A-Grade)

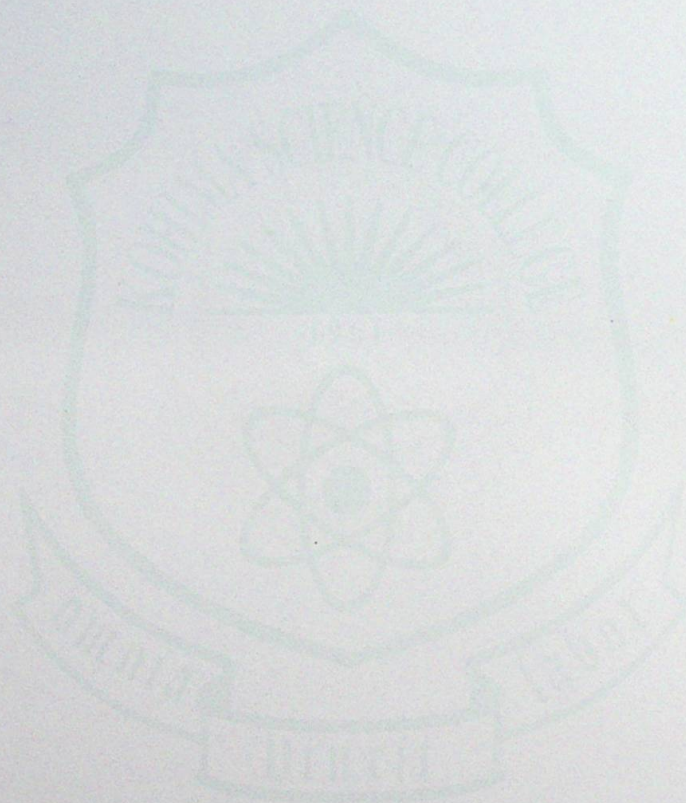
An aerial photograph of the Kohima Science College campus, showing various buildings, a prominent tower, and surrounding greenery on a hillside.

PROSPECTUS 2017





PROSPECTUS 2017



FOUNDING MEMBERS

Late Dr. Neilhouzhü K. Angami

Late Mr. Keduonyü Sekhose

Late Mr. U. M. Deb

Late Mr. J. B. Jasokie

Late Mr. Vizol Angami

Rev. Haizotuo Munshi

Late Mr. Akum Imlong

COLLEGE ADVISORY BOARD

The Director, Higher Education	- Chairman
The Principal	- Secretary
Dr. Shürhozelie Liezietsu	- Member
The Deputy Commissioner, Kohima	- Member
Chairman, Kohima Municipal Council	- Member
Nagaland University Representatives	
(a) Prof. P. Lal	- Member
(b) Dr. (Mrs.) Vikoleno Rino	- Member
Mr. Kurovi Peseyie, Jotsoma Village Representative	- Member
The Vice Principal	- Member
Mr. Megoneitso, Staff Representative	- Member



GOVERNING BODY

Prof. T. Ao	- Chairperson
Dr. I. Anungla Aier	- Member Secretary
Prof. Sabyasachi Basu Ray Chaudhury Vice Chancellor, Rabindra Bharati University, Kolkata	- Member (UGC Nominee)
Prof. B.V. Rao Deptt. of Geology, Nagaland University	- Member (NU Nominee)
Addl. Director, Higher Education	- Member
Dr. Vituo Belho	- Member
Dr. Niu Francis Whiso	- Member
Mr. Yanger Longkumer Vice Principal	- Member
Mr. Megoneitso Meyase Assoc. Prof. & Head of Deptt. of Botany	- Member

ACADEMIC COUNCIL

Dr. I. Anungla Aier, Principal	- Chairman
Mr. Yanger Longkumer, Vice Principal	- Member Secretary

MEMBERS

All HoDs in the College

Mrs. R. Moasangla Jamir (Anthropology)
 Mr. Megoneitso (Botany)
 Mr. S. K. Mishra (Chemistry)
 Mr. P. Sinha (Computer Science)
 Mrs. M. Amenla (English)
 Dr. Lily Sema (Geology)
 Mr. Imlitemjen Jamir (Geography)
 Dr. S. N. Pandey (Mathematics)
 Mr. P. Purkayastha (Physics)
 Mr. Md. Jakir Ali (Statistics)
 Mr. Visoho Zao (Zoology)
 Mr. M. N. Murali (Controller of Examinations)

Representative of different categories of teaching staff

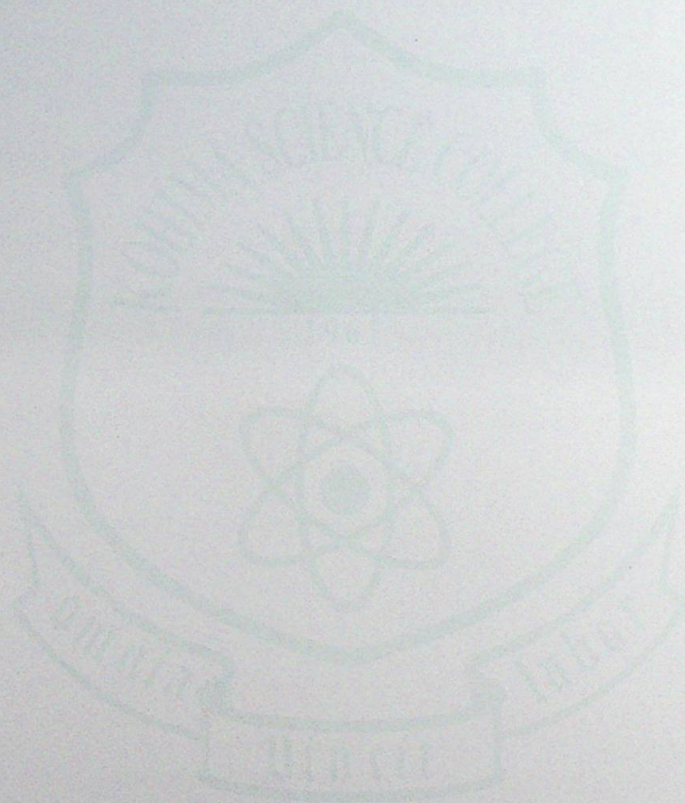
Mrs. Tokheni Sema, Associate Professor
 Dr. M. Devrani, Associate Professor
 Dr. Sanjay Sharma, Assistant Professor

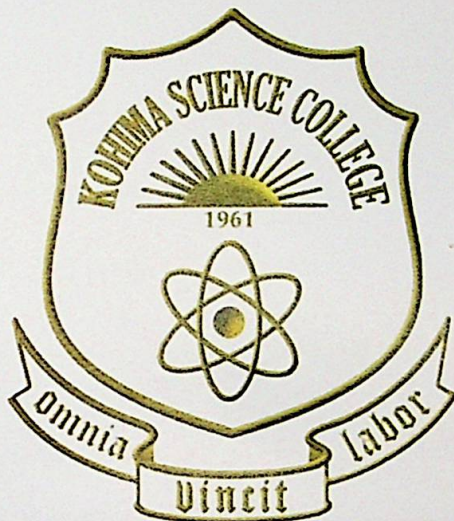
External Expert Members

Dr. J. Meren AO, Principal, St. John College, Dimapur
 Mr. Kezhokhoto Savi, Advocate & Faculty, Kohima Law College
 Dr. Joyce Zinyü Angami, Social Worker, Kohima
 Dr. V. Ramachandran, Director, NIT, Chumukedima

University Nominees

Prof. Buno Liegiese, Deptt. of Education, N.U.
 Prof. B. V. Rao, Deptt. of Geology, N.U.
 Prof. N. Venuh, Deptt. of History & Archaeology, N.U.





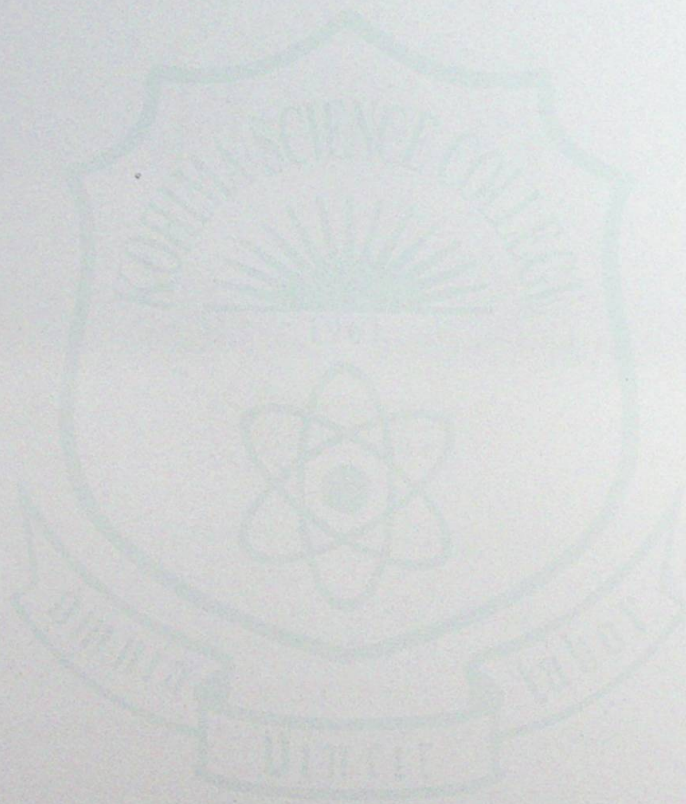
LABOUR OVERCOMES EVERYTHING

THE EMBLEM

designed by

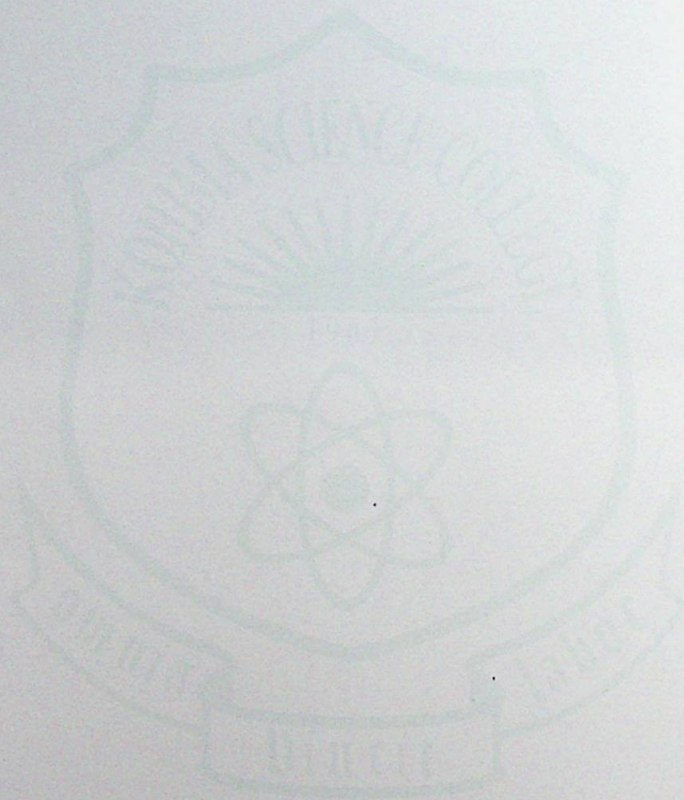
Late **Mr. K. Sekhose**, Late **Mr. J B Josokie** and Late **Mr. Akum Imlong**
in 1962

bears the Rising Sun over an Atomic Structure signifying the aspirations, achievement of mankind in the field of Science.



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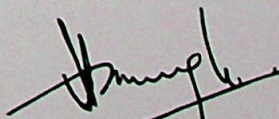


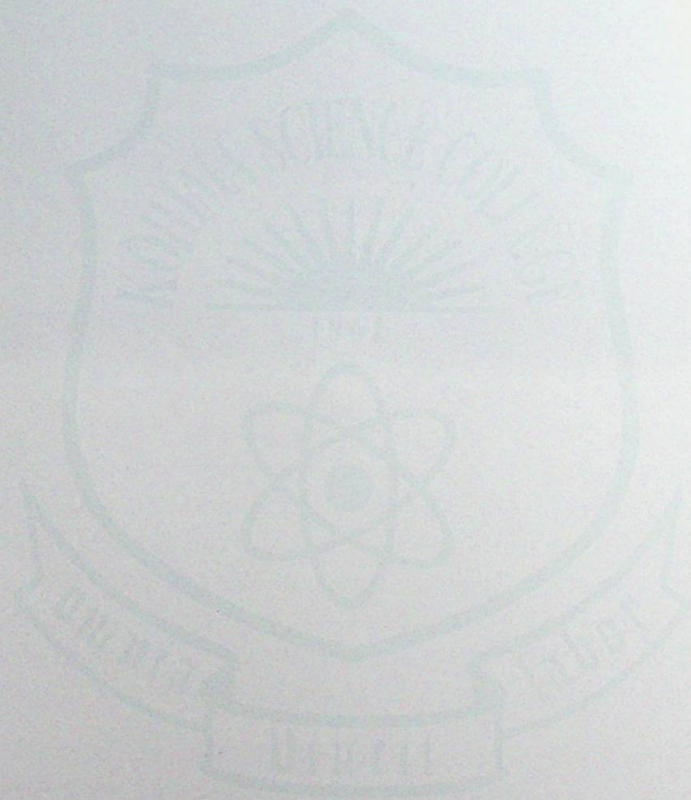
MESSAGE FROM THE PRINCIPAL

If you are scouting institutions for graduate and post graduate studies I invite you to come to Kohima Science College, Jotsoma. One of Nagaland's oldest colleges with an enviable proven proficiency in the academics, it has now grown to become the State's only autonomous government P.G. college. The college has introduced the semester system at the U.G. level and the Choice Based Credit System in tune with global trends with a sound grading system that reflects the learner's performance in the best possible way. This was done following the recommendation of the University Grants Commission and the other national regulatory authorities. We believe this will assuage the constraints of pursuing pre-determined combinations of course to a great extent and offer the students opportunities to not only grow in a discipline-based direction but also explore additional avenues of learning beyond the core subjects. To give a wider option for the students of Nagaland in pursuing higher studies in science the college now offers post graduate programme in six disciplines. This two-year programme (four semesters) leads to an M.Sc. degree. The college has three research laboratories funded by various agencies in the country. It offers Add-on Courses in Api Culture, Pisciculture and Electronics Repairing. The College also has two MoUs with Surindra Rajabhat University, Thailand for academic and cultural exchanges.



Today, choosing a college has become a complicated process. One has to consider a number of variables before making a decision. Factors like academic output, intellectual growth, flexibility available to the students to define their field of study, research environment, mentoring, and low fees are crucial. Kohima Science College not only offers these opportunities but is also committed to nurture excellence as our worthy alumni show.


Dr. I. Anungla Aier



COLLEGE PROFILE

BACKGROUND

Kohima Science College, Jotsoma, established in 1961 with science education in higher secondary and under graduate levels, has grown at a healthy rate and is now recognised as one of the State's finest colleges. Now, 55 years after its founding, and an enviable Grade A accreditation by the UGC National Assessment and Accreditation Council, Kohima Science College has become Nagaland's only autonomous Government P.G. College. The college offers 10 undergraduate programmes in a broad spectrum of science subjects and English literature. It offers master's programme in Anthropology, Botany, Geology, Mathematics, Physics and Zoology. The college also has three research laboratories. The college aspires to engage in not only improving the standards of science education in the State but also generate knowledge that is value-based. Kohima Science College has been successively affiliated to Guwahati University, North-Eastern Hill University and Nagaland University.

LOCATION

Kohima Science College is located about 8 km west of Kohima, Nagaland's capital, 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 develop the college into a research driven education hub of national and international repute.

MISSION STATEMENT

Kohima Science College, Jotsoma (KSCJ) started in the year 1961 with a mission to encourage and impart science education. It is a premier college in the state of Nagaland, where science education occupies the central focus. With the changing times, the college has charted its own mission to respond to the emerging needs of the contemporary society by expanding its focal area without losing its focus on science education as the central mission. We are continuously striving to fulfil our mission in the following identified areas:

- To utilize academic autonomy to develop and maintain high academic standards in accordance with the national framework and changing academic and social benchmarks.
- To be an enabling agency for the students to develop their potentials to the fullest and become productive and responsible citizens of the contemporary society and the country.
- To promote and strengthen skill based courses in the curriculum.
- To promote student-centric technology-enabled teaching and learning along with the core conventional methodology.
- To promote original and quality research with an emphasis on interdisciplinary approach.
- To encourage and support the faculty members to enhance their academic proficiency in accordance with the contemporary benchmarks.
- To encourage a sense of teamwork and community service amongst the students and the faculty members.
- To foster and institutionalize innovative and best practices in the workplace by using transparent and decentralized working environment.

ACADEMICS I

Bachelor of Science and Bachelor of Arts (English)

This is a three-year programme spread over six semesters which leads to the degree of Bachelor of Science (B.Sc.) or Bachelor of Arts (B.A. Honours in English). The Bachelor's Degree Programme in English is an innovative programme of the college. It aims to cultivate and nurture the love of literature, language, writing and composing. The college offers Honours in ten subjects. The degree programme is a good launching pad for such students who wish to take an M.Sc./MA and/or a Ph.D. degree. This course is also ideally suited for students who want to take up career opportunities in teaching, research, civil/administrative services, etc.

Semester mode of teaching and examination in Indian universities has become a national policy. Consequently, the UGC has made it mandatory for all the institutions of higher learning and affiliated colleges in the country to follow this system. Another major recommendation of the national regulatory authorities has been to introduce Choice Based Credit System (CBCS) in tune with global trends and adoption of a sound grading system that reflects the learner's performance in the best possible way. The UGC has also been vocal on the need to 'pay urgent attention to curricular flexibility and learner's mobility.' Keeping all this in mind Kohima Science College has decided to introduce the CBCS. We believe this will assuage the constraints of pursuing pre-determined combinations of course to a certain level and offer the students opportunities and avenues to not only learn core subjects but also explore additional avenues of learning beyond the core subjects for holistic development of the student.

A minimum of six semesters (three years) and maximum ten semesters (five years) will be required for the successful completion of the course. The odd semesters (I, III, & V) shall be from July 1 to December 31. The even semesters (II, IV, & VI) shall be from January 1 to June 30. Each semester shall have class tests, internal assessment activities and end semester examinations with a weightage ratio of 30:70. In order to clear a semester the student has to secure a minimum of 40% marks in the internal assessments and 40% in the end semester examinations.

As per the college norms, a student having less than 80% attendance shall not be allowed to appear end semester examinations.

COURSE DESIGN

Ability Enhancement Compulsory Course (AECC)

1. English Communication / Hindi / Tenyidie
2. Environmental Science

Honours

Any one of the following subjects may be opted as an honours subject.

1. Anthropology – 50 seats
2. Botany – 50 seats
3. Chemistry – 50 seats
4. Geography – 50 seats
5. Geology – 50 seats
6. Mathematics – 50 seats
7. Physics – 50 seats
8. Statistics – 50 seats
9. Zoology – 50 seats
10. English – 25 seats

SCHEME FOR CHOICE BASED CREDIT SYSTEM

Semester	Core Course	Ability Enhancement Compulsory Course (AECC)	Skill Enhancement Course (SEC)	Discipline Specific Elective (DSE)	Generic Elective (GE)
I	C1	English Communication /Hindi/Tenyidie	---	---	GE-1
	C2		---	---	
II	C3	Environmental Science	---	---	GE-2
	C4		---	---	
III	C5	---	SEC-1	---	GE-3
	C6	---		---	
	C7	---		---	
IV	C8	---	SEC-2	---	GE-4
	C9	---		---	
	C10	---		---	
V	C11	---	---	DSE-1	---
	C12	---	---	DSE-2	---
VI	C13	---	---	DSE-3	---
	C14	---	---	DSE-4	---

Reservation

Government of India Policy on Reservation

- | | |
|--------------|---|
| 1. SC – 15% | 2. ST – 7.5% |
| 3. OBC – 27% | 4. PWD (Persons With Disabilities) – 3% |

Eligibility

XII passed or equivalent from a recognized Board with a minimum of 50% in aggregate (condition not applicable for students of Kohima Science College) and with the following conditions if an applicant wishes to take up Honours subject:

- 45% in the subject in which one desires to take up Honours.
- 45% in Biology to take up Honours in Botany or Zoology.
- 45% in the aggregate to take up honours in a subject not available at the +2 or equivalent level.

ADMISSION PROCEDURE: B.Sc. I/B.A. I Semester

Application

Prescribed application form along with the Prospectus and an Entrance Test sample question paper can be obtained from the college for Rs. 200. The completed application must contain the following:

- One attested photocopy of Admit Card, Pass Certificate and Mark Sheet of HSSLC or equivalent examination.
- Gap Certificate for a candidate who is applying after a gap of one year or more after passing the last examination from the institution last attended or from a Gazetted Officer personally known to him/her in the manner of the given format.

Selection

The selection of students is based on the Entrance Test, the syllabus for which is the same as that of the Class XII syllabus of NBSE. The selection of students is done strictly on merit and is monitored by an independent Admission

Committee. In order to ensure fairness, the test is conducted using OMR (Optical Mark Recognition) sheets. Canvassing in any form will disqualify a candidate. The decision of the Admission Committee is final and binding.

Entrance Test

The Test shall be held in two streams: Biology and Mathematics. A student may take the Test in one stream only. Separate merit list shall be released for each stream. Those wishing to take up honours in Mathematics, Physics, Chemistry or Statistics should appear for Mathematics stream and those wishing to take up honours in Anthropology, Botany, Zoology, Geology or Geography should appear for Biology stream. List of selected candidates and candidates in the waiting list will be displayed in the college notice board. Students selected for admission shall be admitted strictly in accordance to the merit list. There will be a separate Entrance Test/Interview for applicants wishing to take up B.A. Honours in English.

Admission

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

- a) Mark Sheet (*The Mark Sheet shall be retained by the college for 6 months as per Govt. Order*)
- b) Admit Card
- c) Passed Certificate
- d) Migration Certificate (*for a candidate from another Board*) for registration into Nagaland University.
- 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.*

FEE STRUCTURE (tentative) for B.Sc. Students

1. Registration Fee	- ₹ 150.00
2. Enrolment Fee (B.Sc.) <i>(Fees collected under 1 & 2 are for University)</i>	- ₹ 25.00
3. Tuition Fee - for the session <i>(payable during admission)</i>	- ₹ 240.00
4. Admission Fee	- ₹ 100.00
5. Library <i>(Fees collected under 3, 4 & 5 are revenues for the Government)</i>	- ₹ 100.00
6. Library Development	- ₹ 1000.00
7. Internal Examination	- ₹ 500.00
8. Library Caution Money <i>(refundable)</i>	- ₹ 1000.00
9. Session Fee	- ₹ 100.00
10. Laboratory Fee <i>(per semester)</i>	- ₹ 1500.00
11. Development Fee <i>(per semester)</i>	- ₹ 800.00
12. Identity Card	- ₹ 100.00
13. Water Bill	- ₹ 200.00
14. Electricity Fee	- ₹ 300.00
15. Bus Fee	- ₹ 400.00
16. IQAC	- ₹ 200.00
17. Internet/Broadband	- ₹ 200.00
18. Monthly Bulletin	- ₹ 50.00
19. Games and Sports	- ₹ 150.00
20. Magazine Fee	- ₹ 150.00
21. Students' Union	- ₹ 50.00
22. Common Room Fee	- ₹ 50.00
23. Freshers'/Parting Socials	- ₹ 300.00
24. Students' Handbook <i>(Fees collected under 6 to 24 shall be retained by the college)</i>	- ₹ 20.00

Uniform

1. College Blazer, Tie, & Crest and T-shirt	- ₹ 1700.00
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Annual Hostel Fee (only for hostellers)

1. Admission <i>(Revenue for Government)</i>	- ₹ 100.00
2. Seat Rent <i>(Revenue for Government)</i>	- ₹ 240.00
3. Hostel Maintenance	- ₹ 1000.00
4. Security Deposit <i>(Refundable)</i>	- ₹ 2000.00
5. Electricity Fee	- ₹ 600.00
6. Water Fee	- ₹ 200.00
7. Games & Sports	- ₹ 50.00
8. Medical Fee	- ₹ 100.00

Note: Fees once deposited are not refundable.

ACADEMICS II

Master of Science

This is a two-year programme spread over four semesters which leads to the degree of Master of Science (M.Sc.). M.Sc. programme is offered in Anthropology, Botany, Geology, Mathematics, Physics, and Zoology. This innovative project of the college is in response to an acutely felt need of the society to have a wider avenue for such students who would like to pursue higher studies in science here in Nagaland. This course is tailored along the patterns followed by NEHU and other top universities of the country. This programme will not only expose the students to the latest trends but will also introduce to them the functional areas in their respective discipline with a considered blend of theory and practice. The programme will prepare the students for further research and any other relevant activity in their respective field of study.

Reservation

Government of India Policy on Reservation

- | | |
|--------------|---|
| 1. SC – 15% | 2. ST – 7.5% |
| 3. OBC – 27% | 4. PWD (Persons With Disabilities) – 3% |

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.

ADMISSION PROCEDURE: M.Sc.

Application

Prescribed application form along with the Prospectus can be obtained from the college for Rs. 200. The completed application must contain the following:

- a) One attested photocopy of Admit Card, Pass Certificate and Mark Sheet of B.Sc. or equivalent examination.
- b) Gap Certificate for a candidate who is applying after a gap of one year or more after passing the last examination from the institution last attended or from a Gazetted Officer personally known to him/her in the manner of the given format.

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 (*The Mark Sheet shall be retained by the college for 6 months as per Govt. Order*)
- b) Admit Card
- c) Passed 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.*

FEE STRUCTURE for M.Sc. Students

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3. Tuition Fee - for the session <i>(payable during admission)</i>	- ₹ 240.00
4. Admission Fee	- ₹ 100.00
5. Library <i>(Fees collected under 3, 4 & 5 are revenues for the Government)</i>	- ₹ 100.00
6. Library Development	- ₹ 1000.00
7. Internal Examination	- ₹ 500.00
8. Library Caution Money (refundable)	- ₹ 1000.00
9. Session Fee	- ₹ 100.00
10. Laboratory Fee (per semester)	- ₹ 5000.00
11. Development Fee (per semester)	- ₹ 800.00
12. Identity Card	- ₹ 100.00
13. Water Bill	- ₹ 200.00
14. Electricity Fee	- ₹ 300.00
15. Bus Fee	- ₹ 400.00
16. IQAC	- ₹ 200.00
17. Internet/Broadband	- ₹ 200.00
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20. Magazine Fee	- ₹ 150.00
21. Students' Union	- ₹ 50.00
22. Common Room Fee	- ₹ 50.00
23. Freshers'/Parting Socials	- ₹ 300.00
24. Students' Handbook <i>(Fees collected under 6 to 24 shall be retained by the college)</i>	- ₹ 20.00

Uniform

1. College Blazer, Tie, & Crest and T-shirt	- ₹ 1700.00
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Annual Hostel Fee *(only for hostellers)*

1. Admission (Revenue for Government)	- ₹ 100.00
2. Seat Rent (Revenue for Government)	- ₹ 240.00
3. Hostel Maintenance	- ₹ 1000.00
4. Security Deposit (Refundable)	- ₹ 2000.00
5. Electricity Fee	- ₹ 600.00
6. Water Fee	- ₹ 200.00
7. Games & Sports	- ₹ 50.00
8. Medical Fee	- ₹ 100.00

Note: Fees once deposited are not refundable.

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.

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 college Identity Card which also doubles as 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 Card
- b) Laboratory Clearance and Attendance Certificate from the HOD.
- c) Clearance Certificate from:
 - i) Library
 - ii) Hostel Superintendent (For Boarders)
 - iii) 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

Libraries

The college is endowed with a number of libraries to meet the informative needs of the students and faculty. The Central Library both an intellectual and physical focal point for the campus. It has a large repository of books, journals, national and international magazines, newspapers, past exam question papers and project reports. The library has computers connected with dedicated broadband. Besides this, there are other libraries located in departmental buildings.

Book Bank

The Book Bank has text books on different subjects. Students can borrow text

books on long term basis through this scheme in addition to the normal library services.

INFLIBNET

The college is a registered user of UGC-NLIST (National Library and Information Services Infrastructure for Scholarly Content) Programme, a project funded by the Ministry of Human Resources Development under its National Mission on Education through ICT. The N-LIST project provides access to more than 3800 journals, 80000 electronic books and bibliographic databases to students, researchers and faculty, and also allows authorised users to download articles directly from the publisher's website.

LAN, Broadband and college website

These facilities have been sponsored by the children of one of the founding fathers, Lt. Dr. Neilhouzhü Kire. All academic departments, library and college office are networked by Local Area Network. Broadband connection of 2Mbps dedicated line is fed into the LAN through a proxy server. The entire academic campus is WiFi enabled through five access points. Students can surf the internet through ten PCs in Library and 30 Pcs from the computer laboratory.

The official website of the college: kscj.ac.in.

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 honours classrooms are fitted with interactive smart boards to enhance teaching-learning experience. Other classrooms will also be digitized soon.

“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. Also, interested students may opt for *Mushroom spawn production & cultivation and floriculture* as a part of this scheme. Students participating in various levels of the said activities will be paid from the proceeds of sales, charges, etc.

EDUSAT (Education Satellite)

The Transmission Hub of EDUSAT, Nagaland is located at Kohima Science College and is connected to 50 Satellite Interactive Terminals (SITs) located in various parts of the State. It is funded by the Indian Space Research Organization (ISRO).

The Principal, Kohima Science College is the Nodal Officer. The Hub Engineer is Er. Ketou Linyü.

AMENITIES

Accommodation

Kohima Science College has three hostels for boys (170 seats) and one for girls (78 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 also 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 running of the hostel and help to maintain discipline and a healthy atmosphere.

Names of the Hostels and Superintendents

- | | |
|----------------------------|-------------------------|
| 1. Leone Hostel (Girls) | - Mrs. M. Amenla Lkr |
| 2. Lake View Hostel (Boys) | - Mr. Vesa Hiese |
| 3. New Boys' Hostel (Boys) | - Mr. Veta Nyienu |
| 4. Peak Hostel (Boys) | - Mr. Rokovikho Hesieli |

Transportation

The college has three buses pressed into regular service to commute students and staff to and from town. A nominal fee is charged for this service.

This transport service is also available for other activities as and when required. A pool vehicle is also available.

Health Centre, Bank, Post Office

The above mentioned facilities are all centrally located in the college campus and are therefore easily accessible to all.

Students Day Home

The spacious auditorium is the Students Day Home. Besides indoor games the auditorium is also used for literary and cultural functions.

Games and Sports

The games and sports facilities in the campus not only help the students train physically but also help them develop a sporting spirit. The college has a football field, a basketball court, and an auditorium which also doubles as the indoor stadium.

Value Addition

- Free Tutorial
- Intensive Coaching for JEE
- Founding Fathers Meritorious Award
- Dr. S.K. Dey Literary Award
- Rock Star Award
- Workshops/Seminars
- Field Trips

EXTRA-CURRICULAR & EXTENSION ACTIVITIES

Kohima Science College Students Union

Every student of the college is automatically a member of the KSCSU. The Principal is the President of the union. The General Secretary and the other members of the executive are elected through the students' general election. The union looks after the interests and welfare of the students and assists the college administration in matters relating to discipline and decorum. It also organizes various co-curricular and extra-curricular activities and helps in the publication of the college magazine *Illume*. Our students have been regularly winning prizes in many district- and State-level competitions conducted by various Govt. departments, NCC, and NGOs.

National Cadet Corps (NCC)

The NCC, with the motto Duty and Discipline, is a fair-tier administration and is considered to be one of the largest and the most disciplined youth organizations in the country. The college has a very strong NCC unit and it has been regularly winning awards and recognition at the State and regional level.

The Army wing of the college falls under the jurisdiction of 24th NAGA (INDED) COY and the Care Taker Officer (CTO) are Mr. Rokovikho Hesielie, Asstt. Prof., Deptt. of Chemistry and Mr. Savilie Yhor, Asstt. Prof., Deptt. of Chemistry.

The Air wing falls under the jurisdiction of No.1 (NL) AIR SQN, NCC (FIG) and the Associate NCC Officer is Mr. N. Meren Ao, Assoc. Prof., Deptt. of Chemistry. This is a good preparation for those who love discipline and are militarily inclined. Cadets may take the B Certificate Examination later on which helps one in getting into a military academy. Many of our alumni have been able to get into military service through the NCC.

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, Govt. of India. Nagaland links with the centre through its State Liaison Officer (SLO), Deptt. of Sports & Youth Resources, Govt. of Nagaland. Volunteers can earn an A or B Certificate in college which becomes handy later on in getting into a university or a job. The College has more than 500 volunteers, and its "adopted village" is Thekrünoma Khel, Jotsoma. The Programme Officers (POs) are Mr. Dziesevituo Angami, Mr. Wekhrolo Therie and Ms. Sharon Konyak.

Science Club, Photography Club, Nature Club, Red Ribbon Club, Youth Red Cross/Crescent

Students are encouraged to join any of these clubs and shoulder leadership responsibilities. These bodies including KSCSU, NCC, NSS, EU form the breadth of student organizations and they represent the full diversity of student needs and interests. However the college does not recognize tribal and other such bodies.

WinFest

WinFest is an extracurricular programme held to promote self-development and encourage maximum student participation without inter-group, -tribal rivalry. *WinFest* is an extravaganza of sports, rollicking music, literary competition, flower show, food and games, painting and photography competition. The Flower Show is formally patronized and sponsored by the Department of Horticulture, Govt. of Nagaland. The *Winter Festival* is an annual affair.

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)

This Association looks after the welfare of the teachers. The Association is affiliated to All India Federation of University and College Teachers Organization (AIFUCTO).

Students Grievance Redressal Cell

This Cell helps to support a student in difficulty through advice, counselling and any other help if necessary so that his/her academic activities are not hampered in any manner.

The members are:

- 1) Mr. Vesa Hiese, Asstt. Prof., Deptt. of Botany (*Convenor*)
- 2) Mrs. Moasangla Jamir, Assoc. Prof., Deptt. of Anthropology
- 3) Mrs. Narola Mekro, Asstt. Prof., Deptt. of English
- 4) Mrs. Katsinlieu, Asstt. Prof., Deptt. of Zoology

Disciplinary and Anti-Ragging Committee

This committee has been formed under the directive of the Hon'ble Supreme Court of India through the Nagaland University. Ragging has always been looked upon as a serious offence by the Kohima Science College and it shall continue to campaign against ragging. This committee shall also look into any other disciplinary problems, including eve-teasing, should they arise.

The members of this committee are:

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|---|----------------|
| 1. Principal | - Convenor |
| 2. Vice Principal | - Member Secy. |
| 3. Hostel Superintendent, Leone Hostel | - Member |
| 4. Hostel Superintendent, Peak Hostel | - Member |
| 5. Hostel Superintendent, Lake View Hostel | - Member |
| 6. Hostel Superintendent, New Boys' Hostel | - Member |
| 7. Mr. Megoneitso, HOD, Deptt. of Botany | - Member |
| 8. Dr. (Mrs.) Lily Sema, HOD, Deptt. of Geology | - Member |
| 9. Dr. M. Devrani, Assoc. Prof., Deptt. of Physics | - Member |
| 10. Dr. T. Tiakaba, Asstt. Prof., Deptt. of Chemistry | - Member |
| 11. General Secretary, KSCSU | - Member |

Research and Consultancy Committee

Headed by Dr. Sanjay Sharma as the convener, the committee endeavours to encourage research activities among the teaching faculty of the college. It also compiles the works done by teachers.

Alumni Association

Headed by Mr. Renthungo Jungio as President, and Ms. Avelu Ruho as General Secretary, the Association works in close association with college fraternity with a view to uplift the College. Presently, it is actively engaged in raising fund for the construction of a 50-bedded Girls' Hostel.

Parents Teachers Association (PTA)

PTA is formed to facilitate and encourage parental participation in the college. The association is headed by Er. Visekholie Nakhro, Superintending Engineer, Deptt. of Power, as its President.

Career Guidance and Students Counselling 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 professional goals. This cell helps student by providing relevant academic and career information so that the students are up-to-date with employment trends and options.

This nine-member cell is headed by Dr. M. Devrani, Assoc. Prof., Department of Physics.

Faculty and Administrative Staff Grievance Cell

This cell has been set up in order to facilitate redressal of grievances of the staff of the college.

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|-------------------------|-------------|
| 1. Mr. Imlaba Longkumer | - Convenor |
| 2. Ms. Meripeni | - Secretary |
| 3. Mr. Imlitemjen | - Member |
| 4. Mrs. Vineino | - Member |

SCHOLARSHIP AND 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
1. Dr. Neilhouzhü K. Angami Meritorious Award	Life Sciences
2. Mr. K Sekhose Meritorious Award	Humanities
3. Rev. Haizotuo Munshi Meritorious Award	Mathematics
4. Mr. Akum Imlong Meritorious Award	Chemistry
5. Mr. J. B. Jasokie Meritorious Award	Earth Science
6. Mr. U. M. Deb Meritorious Award	Statistics
7. 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.

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 B.Sc. 2nd year (i.e. B.Sc. 3rd & 4th semesters). 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.

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 graduate degree course, the duration of which is six semesters (three years) 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.

B.Sc. Programme in Anthropology



ANTHROPOLOGY

Semester	Course	Course Name	Credits
I	Core 1	Introduction to Biological Anthropology	4
		Practical	2
	Core 2	Introduction to Social Anthropology	4
		Practical	2
	AECC 1	English Communication / Tenyidie / Hindi	2
GE 1	Generic Elective I Theory	4/5	
	Generic Elective I Practical / Tutorial	2/1	
II	Core 3	Archaeological Anthropology	4
		Practical	2
	Core 4	Fundamentals of Human Origin & Evolution	4
		Practical	2
	AECC 2	Environmental Science	2
GE 2	Generic Elective II Theory	4/5	
	Generic Elective II Practical / Tutorial	2/1	
III	Core 5	Tribes and Peasants in India	4
		Practical	2
	Core 6	Human Ecology: Biological & Cultural Dimensions	4
		Practical	2
	Core 7	Biological Diversity in Human Populations	4
		Practical	2
	SEC 1	Tourism Anthropology	2
GE 3	Generic Elective III Theory	4/5	
	Generic Elective III Practical / Tutorial	2/1	
IV	Core 8	Theories of Culture and Society	4
		Practical	2
	Core 9	Human Growth and Development	4
		Practical	2
	Core 10	Research Methods	4
		Practical	2
SEC 2	Field Work	2	
GE 4	Generic Elective IV Theory	4/5	
	Generic Elective IV Practical / Tutorial	2/1	
V	Core 11	Human Population Genetics	4
		Practical	2
	Core 12	Anthropology in Practice	4
		Practical	2
	DSE 1	Sports and Nutritional Anthropology / Forensic Dermatoglyphics	4
		Practical	2
DSE 2	Anthropology of Health / Tribal Cultures of India	4	
	Practical	2	
VI	Core 13	Forensic Anthropology	4
		Practical	2
	Core 14	Anthropology of India	4
		Practical	2
	DSE 3	Indian Archeology / Paleo-anthropology	4
		Practical	2
DSE 4	Dissertation	6	

M.Sc. Programme in Anthropology

Semester	Course	Course Name	Credits
	Core	Physical Anthropology	4
	Core	Physical Anthropology Practical	2
	Core	Socio Cultural Anthropology	4
	Core	Socio Cultural Anthropology Practical	2
	Core	Introduction to European and African Prehistory and Issues in Archaeology	4
	Core	Introduction to European and African Prehistory and Issues in Archaeology Practical	2
II	Core	Human Origin and Evolution	4
	Core	Human Origin and Evolution Practical	2
	Core	Ethnography: Theory and Methods	2
	Core	Asian Prehistoric Archaeology	4
	Open	Research Method	6
III	<i>Specialization in Physical/Biological Anthropology</i>		
	Core	Human Genetics and Variation	4
	Core	Human Genetics and Variation Practical	2
	Core	Human Growth and Development	4
	Core	Palaeo-anthropology	2
	Open	Human Ecology and Adaptation	6
	<i>Specialization in Social/Cultural Anthropology</i>		
	Core	Anthropology of India	4
	Core	Economy and Culture	4
	Core	Anthropology of North-East India	4
Open	Human Ecology and Adaptation	6	
IV	<i>Specialization in Physical/Biological Anthropology</i>		
	Core	Forensic Anthropology	4
	Core	Forensic Anthropology Practical	2
	Core	Dental Anthropology	2
	Core	Physiological Anthropology	4
	Core	Dissertation and Viva Voce	6
	<i>Specialization in Social/Cultural Anthropology</i>		
	Core	Theories in Anthropology	4
	Core	Development Anthropology	4
	Core	Culture, Health and Medicine	4
	Core	Dissertation and Viva Voce	6

Career Prospects in Anthropology

Competitive exams at the international, national (UPSC), and state level, teaching and research, health and medical sectors, public administration, environmental services, counselling, planning, development, museums, crime investigation, industries/business, sports, designing equipments, excavation of archaeological sites, conservation and protection of cultural heritages, Researchers, consultants, policy makers, and analyst in UNESCO, UNICEF, NACO, NSACS, etc.

Faculty Profile

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|---------------------------------------|-----------------------------------|
| 1. Mrs. R. Moasangla Jamir, M.Sc. | <i>Associate Prof. & Head</i> |
| 2. Ms. Kevilhuninuo Nagi, M.Sc. | <i>Associate Professor</i> |
| 3. Ms. K. Mary Liezietsu, M.Sc., NET | <i>Assistant Professor</i> |
| 4. Ms. Moarenla Longkumer, M.Sc., NET | <i>Assistant Professor</i> |
| 5. Dr. David Tetso, M.Sc., Ph.D. | <i>Assistant Professor</i> |
| 6. Ms. Sharon Konyak, M.Sc., NET | <i>Assistant Professor</i> |
| 7. Ms. Shetsotalu, M.Sc., NET | <i>Assistant Professor</i> |
| 8. Mr. Imkumlong, M.Sc., NET | <i>Assistant Professor</i> |
| 9. Mr. Noune Terüno, M.Sc. | <i>Assistant Professor</i> |

B.Sc. Programme in Botany

Semester	Course	Course Name	Credits
I	Core 1	Algae and Microbiology	4
		Practical	2
	Core 2	Biomolecules and Cell Biology	4
		Practical	2
	AECC 1	English Communication / Tenyidie / Hindi	2
GE 1	Generic Elective I Theory	4/5	
	Generic Elective I Practical / Tutorial	2/1	
II	Core 3	Mycology and Phytopathology	4
		Practical	2
	Core 4	Archegoniate	4
		Practical	2
	AECC 2	Environmental Science	2
GE 2	Generic Elective II Theory	4/5	
	Generic Elective II Practical / Tutorial	2/1	
III	Core 5	Morphology and Anatomy	4
		Practical	2
	Core 6	Economic Botany	4
		Practical	2
	Core 7	Genetics	4
		Practical	2
SEC 1	Floriculture	2	
GE 3	Generic Elective III Theory	4/5	
	Generic Elective III Practical / Tutorial	2/1	
IV	Core 8	Molecular Biology	4
		Practical	2
	Core 9	Plant Ecology and Phytogeography	4
		Practical	2
	Core 10	Plant Systematics	4
Practical		2	
SEC 2	Mushroom Culture Technology	2	
GE 4	Generic Elective IV Theory	4/5	
	Generic Elective IV Practical / Tutorial	2/1	
V	Core 11	Reproductive Biology of Angiosperms	4
		Practical	2
	Core 12	Plant Physiology	4
		Practical	2
	DSE 1	Plant Breeding	4
DSE 2	Practical	2	
	Natural Resource Management	4	
VI	Core 13	Plant Metabolism	4
		Practical	2
	Core 14	Plant Biotechnology	4
		Practical	2
	DSE 3	Research Methodology	4
		Practical	2
	DSE 4	Biostatistics	4
		Practical	2



M.Sc. Programme in Botany

Semester	Course	Course Name	Credits
I	Core	Mycology, Plant Pathology and Microbiology	4
	Core	Mycology, Plant Pathology and Microbiology Practical	2
	Core	Algae, Bryophytes and Pteridophytes	4
	Core	Algae, Bryophytes and Pteridophytes Practical	2
	Core	Gymnosperms and Plant Anatomy	4
	Core	Gymnosperms and Plant Anatomy Practical	2
II	Core	Plant Taxonomy and Economic Botany	4
	Core	Plant Taxonomy and Economic Botany Practical	2
	Core	Plant Biochemistry and Molecular Biology	4
	Core	Plant Biochemistry and Molecular Biology Practical	2
	Open	Stress Biology	2
	Open	Rights and Issues in Biology/Bioprocess	2
III	Open	Development Techniques in Molecular Biology	2
	Core	Genetics, Cytogenetics and Plant Breeding	4
	Core	Genetics, Cytogenetics and Plant Breeding Practical	2
	Core	Plant Physiology	4
	Core	Biostatistics	2
	Open	Biodiversity and Phytogeography	2
	Open	Environmental Pollution and Conservation	2
IV	Open	Plant Physiology	2
	Core	Plant Reproductive Biology and Biotechnology	4
	Core	Plant Reproductive Biology and Biotechnology Practical	2
	Core	Plant Ecology and Ecosystem Analysis	4
	Core	Plant Ecology and Ecosystem Analysis Practical	2
	Core	Project Work	6

Career Prospects in Botany

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

Faculty Profile

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|--|--------------------------------------|
| 1. Mr. Megoneitso, M.Sc. | <i>Associate Prof. & Head</i> |
| 2. Mrs. Tokheni Sema, M.Sc. | <i>Associate Professor</i> |
| 3. Ms. Sungtinaro Jamir, M.Sc. | <i>Associate Professor</i> |
| 4. Mr. Vimhakhhol Mekro, M.Sc., L.L.B. | <i>Associate Professor</i> |
| 5. Mr. Temjenwabang, M.Sc. | <i>Associate Professor</i> |
| 6. Mr. Vesa Hiese, M.Sc. | <i>Associate Professor</i> |
| 7. Mr. Wenyitso Kapfo, M.Sc., NET | <i>Assistant Professor</i> |
| 8. Mr. Wekhrolo Therie, M.Sc., NET | <i>Assistant Professor</i> |
| 9. Dr. Mhathung Yanthan, M.Sc., Ph.D., NET | <i>Assistant Professor</i> |
| 10. Ms. Samadangla, M.Sc., NET | <i>Asstt. Prof. (on study leave)</i> |
| 11. Dr. Moaakum, M.Sc., Ph.D. | <i>Assistant Professor</i> |
| 12. Dr. (Mrs.) Khrienuo Angami, M.Sc., M.Phil, Ph.D. | <i>Assistant Professor</i> |
| 13. Mr. Tosovil Neikha, M.Sc. | <i>Assistant Professor</i> |

B.Sc. Programme in Chemistry

Semester	Course	Course Name	Credits
I	Core 1	Inorganic Chemistry I	4
		Inorganic Chemistry Lab I	2
	Core 2	Physical Chemistry I	4
		Physical Chemistry Lab I	2
	AECC 1	English Communication / Tenyidie / Hindi	2
	GE 1	Generic Elective I Theory	4/5
Generic Elective I Practical / Tutorial		2/1	
II	Core 3	Organic Chemistry I	4
		Organic Chemistry Lab I	2
	Core 4	Physical Chemistry II	4
		Physical Chemistry Lab II	2
	AECC 2	Environmental Science	2
	GE 2	Generic Elective II Theory	4/5
Generic Elective II Practical / Tutorial		2/1	
III	Core 5	Inorganic Chemistry II	4
		Inorganic Chemistry Lab II	2
	Core 6	Organic Chemistry II	4
		Organic Chemistry Lab II	2
	Core 7	Physical Chemistry III	4
		Physical Chemistry Lab III	2
	SEC 1	Skill Enhancement Course I	2
	GE 3	Generic Elective III Theory	4/5
Generic Elective III Practical / Tutorial		2/1	
IV	Core 8	Inorganic Chemistry III	4
		Inorganic Chemistry Lab III	2
	Core 9	Organic Chemistry III	4
		Organic Chemistry Lab III	2
	Core 10	Physical Chemistry IV	4
		Physical Chemistry Lab IV	2
SEC 2	Skill Enhancement Course II	2	
GE 4	Generic Elective IV Theory	4/5	
	Generic Elective IV Practical / Tutorial	2/1	
V	Core 11	Organic Chemistry IV	4
		Organic Chemistry Lab IV	2
	Core 12	Physical Chemistry V	4
		Physical Chemistry Lab V	2
	DSE 1	Discipline Specific Elective I	4
		Discipline Specific Elective I Practical	2
DSE 2	Discipline Specific Elective II	4	
	Discipline Specific Elective II Practical	2	
VI	Core 13	Inorganic Chemistry IV	4
		Inorganic Chemistry Lab IV	2
	Core 14	Organic Chemistry V	4
		Organic Chemistry Lab V	2
	DSE 3	Discipline Specific Elective III	4
		Discipline Specific Elective III Practical	2
	DSE 4	Discipline Specific Elective IV	4
		Discipline Specific Elective IV Practical	2



CHEMISTRY

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

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|---|-----------------------------------|
| 1. Mr. Shiv Kumar Mishra, M.Sc. | <i>Associate Prof. & Head</i> |
| 2. Mr. N. Meren Ao, M.Sc. | <i>Associate Professor</i> |
| 3. Dr. Krishna Kumar Tiwari, M.Sc., Ph.D. | <i>Associate Professor</i> |
| 4. Mrs. Sangeeta Vizo, M.Sc. | <i>Assistant Professor</i> |
| 5. Dr. Vijay Kumar Choudhury, M.Sc., Ph.D. | <i>Assistant Professor</i> |
| 6. Dr. (Mrs.) Vineetha Pillai, M.Sc., Ph.D. | <i>Assistant Professor</i> |
| 7. Mr. Kenneth Punyü, M.Sc. | <i>Assistant Professor</i> |
| 8. Dr. T. Tiakaba Jamir, M.Sc., Ph.D., GATE | <i>Assistant Professor</i> |
| 9. Mr. Rokovikho Hesielie, M.Sc. | <i>Assistant Professor</i> |
| 10. Mrs. Neivotsonuo B Kuotsu, M.Sc., B.Ed. | <i>Assistant Professor</i> |
| 11. Mrs. A. Chubarenla, M.Sc. | <i>Assistant Professor</i> |
| 12. Mrs. Vineinu Rhetso, M.Sc. | <i>Assistant Professor</i> |
| 13. Dr. Daniel Kibami, M.Sc., Ph.D. | <i>Assistant Professor</i> |
| 14. Mr. Savilie Yhor, M.Sc. | <i>Assistant Professor</i> |

B.Sc. Programme in Computer Science

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.

COMPUTER SCIENCE AS GENERIC ELECTIVE

Semester	Course	Course Name	Credits
I	GE 1	Computer Fundamentals	4
		Practical	2
II	GE 2	MS Office Tools	4
		Practical	2
III	GE 3	HTML Programming	4
		Practical	2
IV	GE 4	Web and E-Commerce Technologies	4
		Practical	2

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

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|--------------------------------------|----------------------------|
| 1. Mr. Prajadhip Sinha, M.Sc., PGDCA | Assistant Professor & Head |
| 2. Ms. Nuzotalu Veyie, B.E., M.Sc. | Assistant Professor |
| 3. Mr. Modozho Mathew, B.E., M.Sc. | Assistant Professor |

B.A. Programme in English

Semester	Course	Course Name	Credits
I	Core 1	Indian Classical Literature	4
		Tutorial	2
	Core 2	European Classical Literature	4
		Tutorial	2
	AECC 1	English Communication / Tenyidie / Hindi	2
GE 1	Generic Elective I	4	
	Tutorial	2	
II	Core 3	Indian Writing in English	4
		Tutorial	2
	Core 4	British Poetry and Drama: 14th to 17th Centuries	4
		Tutorial	2
	AECC 2	Environmental Science	2
GE 2	Generic Elective II	4	
	Tutorial	2	
III	Core 5	American Literature	4
		Tutorial	2
	Core 6	Popular Literature	4
		Tutorial	2
	Core 7	British Poetry and Drama: 17th and 18th Centuries	4
		Tutorial	2
	SEC 1	Creative Writing	2
GE 3	Generic Elective III	4	
	Tutorial	2	
IV	Core 8	British Literature: 18th Century	4
		Tutorial	2
	Core 9	British Romantic Literature	4
		Tutorial	2
	Core 10	British Literature: 19th Century	4
		Tutorial	2
SEC 2	English Language Teaching	2	
GE 4	Generic Elective IV	4	
	Tutorial	2	
V	Core 11	Women's Writing	4
		Tutorial	2
	Core 12	British Literature: The Early 20th Century	4
		Tutorial	2
	DSE 1	Literary Criticism	4
		Tutorial	2
DSE 2	Science Fiction & Detective Literature	4	
	Tutorial	2	
VI	Core 13	Modern European Drama	4
		Tutorial	2
	Core 14	Postcolonial Literatures	4
		Tutorial	2
	DSE 3	Literary Theory	4
		Tutorial	2
	DSE 4	Travel Writing	4
Tutorial		2	



Generic Elective Options for B.A. Honours in English

- Generic Elective I (Semester I) : Foundation of Physical Anthropology
OR
Introduction to Physical Geography
- Generic Elective II (Semester II) : Foundation of Social and Cultural Anthropology
OR
Human Geography
- Generic Elective III (Semester III) : Foundation of Archaeological Anthropology
OR
Geography of India
- Generic Elective IV (Semester IV) : Tools and Techniques of Research Methodology
OR
Regional Geography of Northeast India and Nagaland

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

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|--|------------------------|
| 1. Mrs. M. Amenla Longkumer, M.A. | Associate Prof. & Head |
| 2. Dr. (Mrs) Kelhouletuonuo, M.A., Ph.D. | Associate Professor |
| 3. Mrs. Narola Mekro, M.A. | Assistant Professor |
| 4. Dr. Seyiekhrielie Whiso, M.A., Ph.D., NET | Assistant Professor |
| 5. Ms. Kevitsunuo Linyü, M.A. | Assistant Professor |
| 6. Mr. Richard Dzüvichü, M.A. | Assistant Professor |

Department of Tenyidie

- | | |
|---|------------------------|
| 1. Ms. Vizomenuo Merlyn Yhome, M.A. | Asst. Professor & Head |
| 2. Ms. Shepolü, M.A. | Assistant Professor |
| 3. Mr. Kevimedo Keyho, M.A. (attached to Baptist College) | Assistant Professor |
| 4. Ms. Vilehunuo, M.A. | Assistant Professor |

Department of Hindi

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|---|---------------------|
| 1. Dr. (Ms.) Shanta Gurung, M.A., Ph.D. | Assistant Professor |
|---|---------------------|

B.Sc. Programme in Geography

Semester	Course	Course Name	Credits
I	Core 1	Physical Geography	4
		Thematic Cartography I	2
	Core 2	Geomorphology	4
		Cartographic Technique I	2
	AECC 1	English Communication / Teryidie / Hindi	2
GE 1	Generic Elective I Theory	4/5	
	Generic Elective I Practical / Tutorial	2/1	
II	Core 3	Climatology	4
		Graphical Representation of Weather data	2
	Core 4	Human Geography	4
		General Cartography	2
	AECC 2	Environmental Science	2
	GE 2	Generic Elective II Theory	4/5
Generic Elective II Practical / Tutorial		2/1	
III	Core 5	Economic Geography	4
		Socio-economic Survey	2
	Core 6	Resource Geography	4
		Surveying and Mapping	2
	Core 7	Hydrology and Oceanography	4
		Quantitative Techniques & Map Projections I	2
	SEC 1	Remote Sensing / Advanced Spatial Statistical Techniques	2
	GE 3	Generic Elective III Theory	4/5
Generic Elective III Practical / Tutorial		2/1	
IV	Core 8	Environmental and Disaster Management	4
		Quantitative Technique & Map Projections II	2
	Core 9	Settlement Geography	4
		Survey and Cartography	2
	Core 10	Geography of India	4
		Cartographic Techniques II	2
	SEC 2	Geographical Information System / Research Methods	2
GE 4	Generic Elective IV Theory	4/5	
	Generic Elective IV Practical / Tutorial	2/1	
V	Core 11	Regional Geography of Northeast India	4
		Practical –Data based on Northeast India	2
	Core 12	Regional Planning and Development	4
		Practical (Field work)	2
	DSE 1	Demography / Geography of Health and Wellbeing	4
		Cartographic Techniques	2
DSE 2	Social Geography / Geography of Tourism	4	
	Practical	2	
VI	Core 13	Advanced Geomorphology	4
		Cartographic Techniques II	2
	Core 14	Geography of Nagaland	4
		Project: Field Study and Report Writing	2
	DSE 3	Agriculture Geography / Urban Geography	4
		Graphical Representation of Data	2
	DSE 4	Dissertation	6



Career Prospect in Geography

Civil Services, Teaching (Colleges/Universities), Researcher, Meteorology (Climatologist), GIS and Remote Sensing (GIS/Remote Sensing Specialist), Geoinformatics, Urban and Rural Development/ Community Development (Planning), Cartographer/ SOI (Surveyor, Drafter), Environmental & Disaster Management, Soil & Water Conservation.

Faculty Profile

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|--|--------------------------------------|
| 1. Mr. Imlitemjen Jamir, M.Sc. | <i>Associate Prof. & Head</i> |
| 2. Mr. Thuyekhai Ringa, M.Sc. | <i>Associate Professor</i> |
| 3. Ms. Rongdensüngla Longkumer, M.Sc. | <i>Asstt. Prof. (on study leave)</i> |
| 4. Dr. Sakhoveyi Lohe, M.Sc., Ph.D. | <i>Assistant Professor</i> |
| 5. Mr. Selie Puro, M.Sc. | <i>Assistant Professor</i> |
| 6. Ms. T Medoweü, M.Sc. | <i>Assistant Professor</i> |
| 7. Ms. Zakali Ayemi, M.Sc., M.Phil., NET | <i>Assistant Professor</i> |
| 8. Ms. Thejanguno Peseyie, M.Sc., PGD, NET | <i>Assistant Professor</i> |

B.Sc. Programme in Geology

Semester	Course	Course Name	Credits
I	Core 1	Earth System Science	4
		Practical on Earth System Science	2
	Core 2	Mineral Science	4
		Practical on Mineral Science	2
	AECC 1	English Communication / Tenyidie / Hindi	2
	GE 1	Generic Elective I Theory	4/5
Generic Elective I Practical / Tutorial		2/1	
II	Core 3	Elements of Geochemistry	4
		Practical on Elements of Geochemistry	2
	Core 4	Structural Geology	4
		Practical on Structural Geology	2
	AECC 2	Environmental Science	2
	GE 2	Generic Elective II Theory	4/5
Generic Elective II Practical / Tutorial		2/1	
III	Core 5	Igneous Petrology	4
		Practical on Igneous Petrology	2
	Core 6	Sedimentary Petrology	4
		Practical on Sedimentary Petrology	2
	Core 7	Palaeontology	4
		Practical on Palaeontology	2
	SEC 1	Field Work I – Basic Field Training	2
	GE 3	Generic Elective III Theory	4/5
Generic Elective III Practical / Tutorial		2/1	
IV	Core 8	Metamorphic Petrology	4
		Practical on Metamorphic Petrology	2
	Core 9	Stratigraphic Principles and Indian Stratigraphic	4
		Practical on Stratigraphic Principles and Indian Stratigraphic	2
	Core 10	Hydrogeology	4
		Practical on Hydrogeology	2
	SEC 2	Field Work II – (i) Precambrian Geology (ii) Tertiary Geology (iii) Economic Geology	2
	GE 4	Generic Elective IV Theory	4/5
Generic Elective IV Practical / Tutorial		2/1	
V	Core 11	Economic Geology	4
		Practical on Economic Geology	2
	Core 12	Geomorphology	4
		Practical on Geomorphology	2
	DSE 1	(i) Exploration Geology (ii) Evolution of life through time	4
		(i) Practical on Exploration Geology (ii) Practical on Evolution of life through time	2
	DSE 2	(i) Geology of Nagaland (ii) Introduction to Geophysics	4
		(i) Practical on Geology of Nagaland (ii) Practical on Introduction to Geophysics	2



VI	Core 13	Engineering Geology	4
		Practical on Engineering Geology	2
	Core 14	Remote Sensing and GIS	4
		Practical on Remote Sensing and GIS	2
	DSE 3	(i) Environmental Geology	4
		(ii) Urban Geology	
		(i) Practical on Environmental Geology (ii) Practical on Urban Geology	2
	DSE 4	(i) Fuel Geology	4
		(ii) Earth and Climate	
		(i) Practical on Fuel Geology (ii) Practical on Earth and Climate	2

M.Sc. Programme in Geology

Semester	Course	Course Name	Credits
I	Core	Geomorphology, Structural Geology & Tectonics	4
	Core	Geomorphology, Structural Geology & Tectonics Practical	2
	Core	Palaeobiology & Stratigraphy	4
	Core	Palaeobiology & Stratigraphy Practical	2
	Core	Mineralogy, Crystallography & Analytical Techniques	4
	Core	Mineralogy, Crystallography & Analytical Techniques Practical	2
II	Core	Igneous, Sedimentary & Metamorphic Petrology	4
	Core	Igneous, Sedimentary & Metamorphic Petrology Practical	2
	Core	Ore Geology, Mineral Exploration & Mining Geology	4
	Core	Ore Geology, Mineral Exploration & Mining Geology Practical	2
	Open	Remote Sensing in Geosciences	4
	Open	Remote Sensing in Geosciences Practical	2
III	Core	Engineering Geology & Hydrogeology	4
	Core	Engineering Geology & Hydrogeology Practical	2
	Core	Fuel Geology & Geochemistry	4
	Core	Environment Geology Practical	2
	Open	Environment Geology	4
	Open	Environment Geology Practical	2
IV	Core	Geology, Tectonics & Mineral Resources of North East India	4
	Core	Special Paper (Elective) any one from the following: (i) Sedimentary Environment and Sedimentary Basins (ii) Advanced Hydrogeology (iii) Petroleum Exploration (iv) Marine Geology (v) Micropalaeontology	4
	Core	Project Work – Dissertation	4
	Core	Seminar	2
	Core	Geological Fieldwork (3 weeks training)	4

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

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|--|-----------------------------------|
| 1. Dr. (Mrs.) Lily Sema, M.Sc., Ph.D. | <i>Associate Prof. & Head</i> |
| 2. Mrs. C. Thungbeni Yanthan, M.Sc. | <i>Associate Professor</i> |
| 3. Dr. Vizovol Mekro, M.Sc., Ph.D. | <i>Associate Professor</i> |
| 4. Dr. (Mrs.) Ralimongla Jamir, M.Sc., Ph.D. | <i>Associate Professor</i> |
| 5. Mrs. Aleno Doulo, M.Sc. | <i>Assistant Professor</i> |
| 6. Mrs. Abeni Odyuo, M.Sc., NET | <i>Assistant Professor</i> |
| 7. Dr. (Mrs.) Meniele K. Nuh, M.Sc., Ph.D. | <i>Assistant Professor</i> |
| 8. Dr. (Mrs.) Rokokhono Nakhro, M.Sc., Ph.D. | <i>Assistant Professor</i> |

B.Sc. Programme in Mathematics

Semester	Course	Course Name	Credits
I	Core 1	Calculus	4
		Practical	2
	Core 2	Algebra	5
		Tutorial	1
	AECC 1	English Communication / Tenyidie / Hindi	2
GE 1	Generic Elective I Theory	4/5	
	Generic Elective I Practical / Tutorial	2/1	
II	Core 3	Real Analysis	5
		Tutorial	1
	Core 4	Differential Equations	4
		Practical	2
	AECC 2	Environmental Science	2
GE 2	Generic Elective II Theory	4/5	
	Generic Elective II Practical / Tutorial	2/1	
III	Core 5	Theory of Real Functions	5
		Tutorial	1
	Core 6	Group Theory I	5
		Tutorial	1
	Core 7	PDE and System of ODE	4
		Practical	2
	SEC 1	Choose one: 1. Logic and Sets 2. Computer Graphics	2
GE 3	Generic Elective III Theory	4/5	
	Generic Elective III Practical / Tutorial	2/1	
IV	Core 8	Numerical Methods	4
		Practical	2
	Core 9	Riemann Integration and Series of Functions	5
		Tutorial	1
	Core 10	Ring Theory and Linear Algebra I	5
		Tutorial	1
SEC 2	Choose one: 1. Graph Theory 2. Operating System: Linux	2	
GE 4	Generic Elective IV Theory	4/5	
	Generic Elective IV Practical / Tutorial	2/1	
V	Core 11	Multivariate Calculus	5
		Tutorial	1
	Core 12	Group Theory II	5
		Tutorial	1
	DSE 1	Choose one: 1. Portfolio Optimization 2. Number Theory 3. Analytical Geometry	5
		Tutorial	1
DSE 2	Choose one: 1. Industrial Mathematics 2. Boolean Algebra and Automata Theory 3. Probability and Statistics	5	
	Tutorial	1	
VI	Core 13	Metric Spaces and Complex Analysis	5
		Tutorial	1
	Core 14	Ring Theory and Linear Algebra II	5
		Tutorial	1
	DSE 3	Choose one: 1. Theory of Equations 2. Bio-Mathematics 3. Linear Programming	5
Tutorial		1	
DSE 4	Choose one: 1. Mathematical Modeling 2. Mechanics 3. Differential Geometry	5	
	Tutorial	1	

MATHEMATICS

M.Sc. Programme in **Mathematics**

Semester	Course	Course Name	Credits
I	Core	Analysis I	4
	Core	Linear Algebra	4
	Core	Ordinary Differential Equations	4
	Core	Classical Mechanics	4
	Core	FORTTRAN Programming	2
II	Core	Algebra	4
	Core	Analysis II	4
	Core	Partial Differential Equations	4
	Open	Programming in C & Applications	4
	Open	Computer Programming Practical	2
III	Core	Topology	4
	Core	Complex Function Theory	4
	Open	Numerical Analysis	4
	Open	Computer Oriented Numerical Methods Practical	2
IV	Core	OPTIONAL	4
	Core	Elementary Number Theory	4
	Core	Application of Mathematics in Environmental Studies	2
	Core	OPTIONAL	4
	Core	OPTIONAL	4

OPTIONAL COURSES

Semester	Course	Course Name	Credits
III	Core (any one)	Differential Geometry	4
		Theory of Field Extensions	4
		Fluid Mechanics	4
		Tensor Analysis & Riemannian Geometry	4
IV	Core (any three)	Theory of Relativity	4
		Functional Analysis	4
		Mathematical Methods	4
		Ring Theory	4
		p -adic Analysis	4
		Relativistic Cosmology	4
		Algebraic Topology	4
		Algebraic Geometry	4
		Dynamical Oceanography	4
		Commutative Algebra	4
		Non-linear Dynamical Systems	4
		Discrete Mathematics	4
		Operations Research	4

Career Prospect in Mathematics

Teaching (Schools, Colleges, Universities & Institutes), Banking, Accounting, Engineering, Actuary, Statistics, Meteorology, Programming, System Analyst.

Faculty Profile

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|--|---------------------------------------|
| 1. Mr. M. N. Murali, M.Sc., NET | <i>Associate Prof. & CoE</i> |
| 2. Mrs. Roseline Xavier, M.Sc. | <i>Assistant Professor</i> |
| 3. Dr. S. N. Pandey, M.Sc., Ph.D. | <i>Assistant Professor & Head</i> |
| 4. Mr. Khrietuo Doulo, M.Sc., NET | <i>Assistant Professor</i> |
| 5. Dr. Hemanta Konwar, M.Sc., Ph.D. | <i>Assistant Professor</i> |
| 6. Ms. Jane Roseline Yimchunger, M.Sc. | <i>Asstt. Prof. (on study leave)</i> |
| 7. Mrs. Vitsono Lungalang, M.Sc. | <i>Assistant Professor</i> |
| 8. Mr. Teisovi Gerard Meyase, M.Sc., NET | <i>Assistant Professor</i> |
| 9. Mr. Sedevikho Chase, M.Sc., NET | <i>Assistant Professor</i> |

B.Sc. Programme in Physics

Semester	Course	Course Name	Credits
I	Core 1	Mathematical Physics-I	4
		Mathematical Physics-I Lab	2
	Core 2	Mechanics	4
		Mechanics Lab	2
	AECC 1	English Communication / Tenyidie / Hindi	2
	GE 1	Generic Elective I Theory	4/5
Generic Elective I Practical / Tutorial		2/1	
II	Core 3	Electricity and Magnetism	4
		Electricity and Magnetism Lab	2
	Core 4	Waves and Optics	4
		Waves and Optics Lab	2
	AECC 2	Environmental Science	2
	GE 2	Generic Elective II Theory	4/5
Generic Elective II Practical / Tutorial		2/1	
III	Core 5	Mathematical Physics-II	4
		Mathematical Physics-II Lab	2
	Core 6	Thermal Physics	4
		Thermal Physics Lab	2
	Core 7	Digital Systems and Applications	4
		Digital Systems & Applications Lab	2
SEC 1	Skill Enhancement Course I	2	
GE 3	Generic Elective III Theory	4/5	
	Generic Elective III Practical / Tutorial	2/1	
IV	Core 8	Mathematical Physics III	4
		Mathematical Physics-III Lab	2
	Core 9	Elements of Modern Physics	4
		Elements of Modern Physics Lab	2
	Core 10	Analog Systems and Applications	4
		Analog Systems & Applications Lab	2
SEC 2	Skill Enhancement Course II	2	
GE 4	Generic Elective IV Theory	4/5	
	Generic Elective IV Practical / Tutorial	2/1	
V	Core 11	Quantum Mechanics & Applications	4
		Quantum Mechanics Lab	2
	Core 12	Solid State Physics	4
		Solid State Physics Lab	2
	DSE 1	Discipline Specific Elective I	4
	DSE 2	Discipline Specific Elective I Lab	2
Discipline Specific Elective II		4	
DSE 2	Discipline Specific Elective II Lab	2	
	Core 13	Electro-magnetic Theory	4
Electro-magnetic Theory Lab		2	
VI	Core 14	Statistical Mechanics	4
		Statistical Mechanics Lab	2
	DSE 3	Discipline Specific Elective III	4
		Discipline Specific Elective III Lab	2
	DSE 4	Discipline Specific Elective IV	4
		Discipline Specific Elective IV Lab	2



M.Sc. Programme in Physics

Semester	Course	Course Name	Credits
I	Core	Classical Mechanics	4
	Core	Quantum Mechanics – I	4
	Core	Electromagnetic Theory	3
	Core	Mathematical Methods – I	3
	Core	General Laboratory – I	4
II	Core	Quantum Mechanics – II	3
	Core	Mathematical Methods – II	3
	Core	Statistical Mechanics	3
	Core	Computational Methods Laboratory	3
	Open	Astronomy and Remote Sensing Applications	6
III	Core	Solid State Physics – I	3
	Core	Spectroscopy	3
	Core	Nuclear and Particle Physics	3
	Core	Electronics Laboratory – I	3
	Open	Analog and Digital Electronics	6
IV	Core	Advanced Quantum Mechanics (or) Astrophysics	4
	Core	Solid State Physics – II (or) Advanced Electronics	3
	Core	Modern Optics (or) Atmospheric Physics	4
	Core	Project	3
	Core	General Physics Laboratory – II	4

Career Prospect in Physics

Teaching in General Colleges, National Institutes of Technology, IITs, Engineering Colleges, and Polytechnic Colleges, Radiology, Scientists in Meteorology, ISRO, DRDO, Geophysicists in ONGC, Physicists/ Scientists in Institute of Physics (Bhubaneshwar), Institute of Mathematical Sciences (Chennai), Tata Institute of Fundamental Research (Mumbai), IUCAA (Pune), and Indian Institute of Sciences (Bangalore), Software Writer.

Department of Physics

- | | |
|---|--------------------------------------|
| 1. Mr. P. Purkayastha, M.Sc. | <i>Associate Prof. & Head</i> |
| 2. Dr. M. Devrani, M.Sc., Ph.D. | <i>Associate Professor</i> |
| 3. Dr. R. K. Jha, M.Sc., Ph.D. | <i>Assistant Professor</i> |
| 4. Dr. Sanjay Sharma, M.Sc., Ph.D. | <i>Assistant Professor</i> |
| 5. Mr. Talinungsang, M.Sc. | <i>Asstt. Prof. (on study leave)</i> |
| 6. Dr. Chetan Kachhara, M.Sc., Ph.D. | <i>Assistant Professor</i> |
| 7. Mrs. Meripeni Ezung, M.Sc., M. Phil. | <i>Assistant Professor</i> |
| 8. Mr. Veta Nyienu, M.Sc. | <i>Assistant Professor</i> |
| 9. Mr. Imlisunep, M.Sc. | <i>Assistant Professor</i> |
| 10. Mr. Samuel Ao, M.Sc. | <i>Assistant Professor</i> |

B.Sc. Programme in Statistics

Semester	Course	Course Name	Credits
I	Core 1	Descriptive Statistics	4
		Practical/Lab. work	2
	Core 2	Calculus	5
		Tutorial	1
	AECC 1	English Communication / Tenyidie / Hindi	2
	GE 1	Generic Elective I Theory	4/5
Generic Elective I Practical / Tutorial		2/1	
II	Core 3	Probability and Probability Distributions	4
		Practical/Lab. work	2
	Core 4	Algebra	5
		Tutorial	1
	AECC 2	Environmental Science	2
	GE 2	Generic Elective II Theory	4/5
Generic Elective II Practical / Tutorial		2/1	
III	Core 5	Sampling Distributions	4
		Practical/Lab. work	2
	Core 6	Survey Sampling & Indian Official Statistics	4
		Tutorial	2
	Core 7	Mathematical Analysis	5
		Practical/ Lab. work	1
SEC 1	Skill Enhancement Course I	2	
GE 3	Generic Elective III Theory	4/5	
	Generic Elective III Practical / Tutorial	2/1	
IV	Core 8	Statistical Inference	4
		Practical/Lab. work	2
	Core 9	Linear Models	4
		Tutorial	2
	Core 10	Statistical Quality Control	5
		Practical/ Lab. work	1
SEC 2	Skill Enhancement Course II	2	
GE 4	Generic Elective IV Theory	4/5	
	Generic Elective IV Practical / Tutorial	2/1	
V	Core 11	Stochastic Processes and Queuing Theory	4
		Practical/Lab. work	2
	Core 12	Statistical Computing Using C/C++ Programming	4
		Tutorial	2
	DSE 1	Discipline Specific Elective I	4
		Discipline Specific Elective I Lab	2
DSE 2	Discipline Specific Elective II	4	
	Discipline Specific Elective II Lab	2	
VI	Core 13	Design of Experiments	4
		Practical/Lab. work	2
	Core 14	Multivariate Analysis and Nonparametric Methods	4
		Tutorial	2
	DSE 3	Discipline Specific Elective III	4
		Discipline Specific Elective III Lab	2
DSE 4	Discipline Specific Elective IV	4	
	Discipline Specific Elective IV Lab	2	

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: 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 after completing M.Sc. in Data Analysis under NITs has a high chance of getting a job through campus interview in various sectors especially in Industrial Sectors in near future.

Faculty Profile

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|---|--------------------------------------|
| 1. Md. Zakir Ali, M.Sc. | <i>Assistant Prof. & Head</i> |
| 2. Dr. Sheikh Faruk Ahmed, M.Sc., Ph.D. | <i>Assistant Professor</i> |
| 3. Dr. Prasanta Barman, M.Sc., Ph.D. | <i>Asstt. Prof. (on lien)</i> |
| 4. Mr. Pallab Changkakati, M.Sc. | <i>Asstt. Prof. (on study leave)</i> |
| 5. Mr. Kejalhuto Punyü, M.Sc. | <i>Assistant Professor</i> |

B.Sc. Programme in Zoology

Semester	Course	Course Name	Credits
I	Core 1	Non-chordates I: Protista to Pseudocoelomates	4
		Non-chordates I: Protista to Pseudocoelomates Practical	2
	Core 2	Principles of Ecology	4
		Principles of Ecology Practical	2
	AECC 1	English Communication / Teryidie / Hindi	2
	GE	Generic Elective I Theory	4/5
Generic Elective I Practical / Tutorial		2/1	
II	Core 3	Non-chordates II: Coelomates	4
		Non-chordates II: Coelomates Practical	2
	Core 4	Cell Biology	4
		Cell Biology Practical	2
	AECC 2	Environmental Science	2
	GE 2	Generic Elective II Theory	4/5
Generic Elective II Practical / Tutorial		2/1	
III	Core 5	Diversity of chordates	4
		Diversity of chordates Practical	2
	Core 6	Physiology: Controlling and Coordinating Systems	4
		Physiology: Controlling and Coordinating Systems Practical	2
	Core 7	Fundamentals of Biochemistry	4
		Fundamentals of Biochemistry Practical	2
SEC 1	Skill Enhancement Course I	2	
GE 3	Generic Elective III Theory	4/5	
	Generic Elective III Practical / Tutorial	2/1	
IV	Core 8	Comparative Anatomy of Vertebrates	4
		Comparative Anatomy of Vertebrates Practical	2
	Core 9	Physiology: Life Sustaining Systems	4
		Physiology: Life Sustaining Systems Practical	2
	Core 10	Biochemistry of Metabolic Processes	4
		Biochemistry of Metabolic Processes Practical	2
SEC 2	Skill Enhancement Course II	2	
GE 4	Generic Elective IV Theory	4/5	
	Generic Elective IV Practical / Tutorial	2/1	
V	Core 11	Molecular Biology	4
		Molecular Biology Practical	2
	Core 12	Principles of Genetics	4
		Principles of Genetics Practical	2
	DSE 1	Discipline Specific Elective I	4
		Discipline Specific Elective I Lab / Practical	2
DSE 2	Discipline Specific Elective II	4	
	Discipline Specific Elective II Lab / Practical	2	
VI	Core 13	Developmental Biology	4
		Developmental Biology Practical	2
	Core 14	Evolutionary Biology	4
		Evolutionary Biology Practical	2
	DSE 3	Discipline Specific Elective III	4
		Discipline Specific Elective III Lab / Practical	2
DSE 4	Discipline Specific Elective IV	4	
	Discipline Specific Elective IV Lab / Practical	2	



ZOOLOGY

M.Sc. Programme in Zoology

Semester	Course	Course Name	Credits
I	Core	Cell Biology & Immunology	4
	Core	Cell Biology & Immunology Practical	2
	Core	Biological Chemistry & Molecular Biology	4
	Core	Biological Chemistry & Molecular Biology Practical	2
	Core	Animal Physiology	4
	Core	Animal Physiology Practical	2
II	Core	Genetics & Developmental Biology	4
	Core	Genetics & Developmental Biology Practical	2
	Core	Parasitology & Insect Physiology	4
	Core	Parasitology & Insect Physiology Practical	2
	Open	Techniques in Biology	4
	Open	Techniques in Biology Practical	2
III	Core	Endocrinology & Reproductive Biology	4
	Core	Endocrinology & Reproductive Biology Practical	2
	Core	Aquatic Biology & Fisheries	4
	Core	Aquatic Biology & Fisheries Practical	2
	Open	Animal Diversity	4
	Open	Animal Diversity Practical	2
IV	Core	Biosystematics, Evolution & Ecology	4
	Core	Biosystematics, Evolution & Ecology Practical	2
	Core	Special Paper *	4
	Core	Special Paper * Practical	2
	Core	Dissertation	4
	Core	Dissertation Practical / Viva	2

Special Paper *

1. Biochemical Adaptation & Metabolic Regulation
2. Fish Biology
3. Entomology
4. Limnology

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. Mr. Yanger Longkumer, M.Sc. | <i>Associate Professor
& Vice Principal</i> |
| 2. Mr. V. Zao, M.Sc. | <i>Associate Prof. & Head</i> |
| 3. Mr. Imlaba Longkumer, M.Sc. | <i>Associate Professor</i> |
| 4. Mrs. Anungla Pongen, M.Sc. | <i>Assoc. Prof. (on study leave)</i> |
| 5. Mr. Dziesevituo Angami, M.Sc. | <i>Assistant Professor</i> |
| 6. Dr. Limatemjen, M.Sc., Ph.D. | <i>Assistant Professor</i> |
| 7. Mrs. Katasinlieu, M.Sc. | <i>Assistant Professor</i> |
| 8. Mrs. Venolü Kezo, M.Sc. | <i>Assistant Professor</i> |
| 9. Dr. Vethselo Doulo, M.Sc., Ph.D., NET | <i>Assistant Professor</i> |
| 10. Mr. Ruokuosatuo Yhome, M.Sc. | <i>Asstt. Prof. (on deputation)</i> |
| 11. Mr. Ruokuovikho Tase, M.Sc. | <i>Assistant Professor</i> |
| 12. Ms. K. Vidila Jeng, M.Sc. | <i>Assistant Professor</i> |

EDUSAT

The main purpose of the EDUSAT network is to provide interactive satellite-based distance education system; this network provides satellite-based tele-education facilities to the end users.

- Satellite dedicated for providing education in various fields.
- Distance Education, telemedicine, farmer VRCs, etc.
- Has both Extended C-Band and Ku-band beams covering entire India.

Nagaland EDUSAT network with its HUB (satellite earth station) located at Kohima Science College, Jotsoma, having 50 Satellite Interactive Terminals (SIT) was established with the aim for providing Tele-education in various fields and distance education at different levels, telemedicine application and VRCs across the state. The HUB is a standard two-way broadband satellite communications system for Internet Protocol (IP) over Satellite. It is used for both Transmitting and receiving programs (signal) in the network.

The applications that system supports include:-

1. Internet Access and IP-based Services
2. Digital Media Streaming
3. Video Conferencing
4. Corporate Intranet and Extranets
5. Distance Education
6. Voice Over IP
7. Virtual Private Networks
8. IP Multicasting and Content Distribution
9. Point of Sale
10. Maritime and other Mobile Transport

EDUSAT HUB

- | | |
|-----------------------|----------------------------|
| 1. Er. Ketou Linyü | <i>HUB Engineer</i> |
| 2. Er. Neilhite Kapfo | <i>Technician</i> |
| 3. Mr. Kevete Lasuh | <i>Technical Assistant</i> |

Library

Mr. Noketo Pusa, M.Lib. & Inf. Sc. *Librarian*

Ministerial Staff

- | | |
|---------------------------------|--------------------------------------|
| 1. Mr. Ketholetuo Peseyie | <i>H.A.</i> |
| 2. Mr. Sankar Dutta | <i>U.D.A.</i> |
| 3. Mr. Lanu Jamir | <i>U.D.A.</i> |
| 4. Mr. Vemutha Chakhesang | <i>Accountant</i> |
| 5. Mrs. Teisovi-Ü | <i>Stenographer</i> |
| 6. Mrs. Temsulemla | <i>U.D.A.</i> |
| 7. Mrs. Neiserienuo Sekhose | <i>U.D.A.</i> |
| 8. Mrs. Sentijungla Imsong | <i>L.D.A.</i> |
| 9. Mrs. Imchanaro | <i>Typist</i> |
| 10. Mrs. Vikedono Justine Zinyü | <i>L.D.A. cum Computer Assistant</i> |
| 11. Mr. Amudo Nenuh | <i>L.D.A. cum Computer Assistant</i> |
| 12. Mr. I. Imliwapang | <i>L.D.A. cum Computer Assistant</i> |
| 13. Ms. Ruuvonuo Chielie | <i>L.D.A. cum Computer Assistant</i> |

Laboratory Assistants

- | | |
|-------------------------------|----------------------------|
| 1. Mr. Zhasakhoto Peseyie | <i>Zoology</i> |
| 2. Mrs. Vingukhono Nagi | <i>Botany</i> |
| 3. Mrs. Vidilhuno Peseyie | <i>Geology</i> |
| 4. Mrs. Khriellenino Suokhrie | <i>Geology</i> |
| 5. Mrs. Rokozhano Nisa | <i>Geography</i> |
| 6. Mr. Vizhato Peseyie | <i>Chemistry</i> |
| 7. Mr. Avizo Suokhrie | <i>Chemistry</i> |
| 8. Mr. Keneikiekho Nakhro | <i>Physics</i> |
| 9. Mr. Rhinyi | <i>Herbarium Assistant</i> |
| 10. Mr. Mhasilevi Peseyie | <i>Library Assistant</i> |

ACADEMIC CALENDAR 2017

Sl. No.	Event	Date	Day
1	Commencement of Even Semester	01/02/2017	Wed
2	Parting Social	11/03/2017	Sat
3	Submission of all Even Semester (B.Sc. & M.Sc.) Internal Assessment Marks	08/05/2017	Mon
4	Publication of Qualified List for all Even Semester (B.Sc. & M.Sc.)	12/05/2017	Fri
5	Form Filling for all Even End Semester Examinations (B.Sc. & M.Sc.)	15/05/2017 to 17/05/2017	Mon to Wed
6	Preparatory Leave for Even Semester Examinations (B.Sc. & M.Sc.)	15/05/2017 to 21/05/2017	Mon to Sun
7	B.Sc. & M.Sc. Even End Semester Examinations (Theory & Practical)	22/05/2017 to 10/06/2017	Mon to Sat
8	Commencement of Classes for Class XII	03/04/2017	Mon
9	Class XII Weekly Tests	01/05/2017 onwards	Mon
10	Commencement of Odd Semester	17/07/2017	Mon
11	Students' Union Election	03/08/2017 to 05/08/2017	Thu to Sat
12	Freshers' Social	12/08/2017	Sat
13	Submission of all Odd Semester (B.Sc. & M.Sc.) Internal Assessment Marks	23/10/2017	Mon
14	Publication of Qualified List for all Even Semester (B.Sc. & M.Sc.)	27/10/2017	Fri
15	Form Filling for all Odd End Semester Examinations (B.Sc. & M.Sc.)	30/10/2017 to 01/11/2017	Mon to Wed
16	Preparatory Leave for Odd Semester Examinations (B.Sc. & M.Sc.)	30/10/2017 to 12/11/2017	Mon to Sun
17	B.Sc. & M.Sc. Odd End Semester Examinations (Theory & Practical)	13/11/2017 to 02/12/2017	Mon to Sat
18	Class XII Selection Test	23/10/2017 to 03/11/2017	Mon to Fri
19	Conduct of English Listening and Speaking Test (Class XII)	20/10/2017 to 21/10/2017	Fri to Sat
20	Selection Test Result for Class XII	09/11/2017	Thu
21	Form Filling for Class XII	10/11/2017 to 11/11/2017	Fri to Sat
22	National Education Day	11/11/2017	Sat
23	Class XII Practical Examinations	04/12/2017 to 06/12/2017	Mon to Wed
24	Win Fest	07/12/2017 to 12/12/2017	Thu to Tue

The
COLLEGE ANTHEM

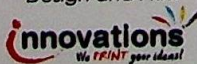
*Mr. Kiremwati Ao
Former Principal
Kohima Science College*

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.



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