

School of **BASIC SCIENCES**



ज्ञान-विज्ञान विभूतये
UGC RECOGNISED



AICTE APPROVED



AIU
MEMBER



PCI
APPROVED



**KAZIRANGA
UNIVERSITY**

KNOWLEDGE & BEYOND



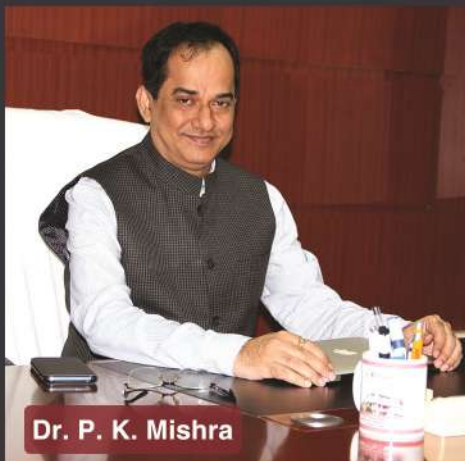
The Assam

Kaziranga University

Sprawling across 50 acres of nature-enhanced campus, The Assam Kaziranga University (KU) is a multifaceted educational centre of excellence. It was established under the Assam Private Universities Act, 2007 (Act No. XII of 2007) as a University as defined by Section 2 (f) of the University Grants Commission Act, 1956 and approved by AICTE. KU believes in the ideology of holistically combining the serenity of a natural environment with international quality educational facilities.

It comprises of the following Schools:

- School of Basic Sciences
- School of Engineering & Technology
- School of Social Sciences
- School of Business
- School of Computing Sciences
- School of Health Sciences



Dr. P. K. Mishra

Our Vice Chancellor

Dr. P. K. Mishra has a PhD in Chemistry from Utkal University, Bhubaneswar, with a vast Research Experience from Bhabha Atomic Research Centre, Mumbai and Saha Institute of Nuclear Physics, Kolkata. He has several publications in National/International Journals of repute. He has the distinction of joining the prestigious International Visitors Leadership Programme IVLP 2007 organized by the Department of State, USA in 2007.

He has over 25 years of experience in academic, research & management. He is the co-founder and first Pro-Chancellor of KIIT University, Bhubaneswar; co-founder of Knowledge Trust & TITE, Bhubaneswar & co-founder and Ex-Chairman of Kalinga Software Private Ltd., Bhubaneswar.

He has assisted high net worth individuals and organizations to establish and manage high quality educational institutes & universities - Don Bosco University, Gauhati, Assam [2008]; Techno India NJR Institute of Technology, Udaipur, Rajasthan [2008] & Kaziranga University, Jorhat, Assam [2012].

Our Faculty Members

Dr. Jayanta K Sarmah

Professor & Dean
PhD Chemistry, G.U.

Dr. Biju Kumar Dutta

Associate Professor &
Associate Dean,
PhD Mathematics, NERIST

Dr. Swati Baruah

Associate Professor &
Associate Dean,
PhD Physics, T.U.
Post Doc, IPR, Ahmedabad

Dr. Prasanta Jyoti Goutam

HoD, Associate Professor
PhD Chemistry, IIT Guwahati

Dr. Dimpal Jyoti Mahanta

HoD, Assistant Professor
PhD Mathematics, T.U.

Dr. Madhuryya Deka

HoD, Associate Professor
PhD Physics, T.U.

Dr. Nabajyoti Saikia

Associate Professor
PhD Chemistry, D.U.
Post Doc, Europe

Dr. Rekha Rani Dutta

Assistant Professor
PhD Chemistry, T.U.

Dr. Satyabrata Gogoi

Assistant Professor
PhD Chemistry, T.U.
Post Doc, CSIR-NEIST,
Jorhat

Dr. Lipika Khatanar

Assistant Professor
PhD Biotechnology, AAU

Dr. Sarfraz Ahmed

Assistant Professor
PhD Mathematics, KU

Dr. Munu Borah

Assistant Professor
PhD AcSIR- National Physical
Laboratory, New Delhi

Dr. Ardhendu Sekhar Khound

Assistant Professor
PhD Mathematics, D.U.

Dr. Manoshi Kotoky

Assistant Professor
MPhil, PhD D.U.

Dr. Geetanjali Baruah

Assistant Professor
PhD Biotechnology, AAU

Dr. Pankaj Bora

Assistant Professor
PhD Physics, KU

Ms. Trishna Saikia

Teaching Assistant
MSc Mathematics, KU

School of Basic Sciences

The need for general education in basic sciences acts as a cornerstone in achieving scientific literacy which is quite essential in our nation's march towards progress and development.

The School of Basic Sciences (SBS) stands apart from other institutions of higher learning since it is committed towards imparting knowledge in pure sciences, which not only forms the basis for further academic pursuits in science and technology, but also lays the foundation for students to pursue a career in research and higher-level teaching. Our institution is complete with efficient undergraduate and post graduate courses in pure sciences, supported by competent faculties, an exhaustive library and well equipped laboratories.

Programmes & Eligibility Criteria

BSc - Chemistry



Passed H.S. (Science) with 50% marks in aggregate from an Approved Board.

Tuition Fee: Rs. 30,000 Per Semester

MSc - Physics



Passed B.Sc in Physics of minimum 3 years with 50% marks in aggregate from a Recognized University.

Tuition Fee: Rs. 30,000 Per Semester

MSc - Mathematics



Passed B.Sc with Mathematics as a mandatory subject with a minimum of 50% marks in aggregate from a Recognized University.

Tuition Fee: Rs. 25,000 Per Semester

MSc - Chemistry



Passed B.Sc in Chemistry of minimum 3 years with 50% marks in aggregate from a Recognized University.

Tuition Fee: Rs. 35,000 Per Semester

MSc - Biotechnology



Passed B.Sc in Botany, Zoology, Biotechnology, Microbiology, Agriculture & Life Science. Also graduates from Physical Sciences, BHMS, BPT & BPharm with 60% in H.S. & qualifying UG degree.

Tuition Fee: Rs. 30,000 Per Semester

Upto 100%

Merit Based Scholarship Scheme

Students Total Percentage (%) in Last Qualified Examination

- 95% & Above
- 90% - 94.99%
- 85% - 89.99%
- 80% - 84.99%
- Persons with Disability
- Ward of Defence Personnel

SCHOLARSHIP

Awarded on Tuition Fee

- 100% Scholarship
- 70% Scholarship
- 50% Scholarship
- 30% Scholarship

25% Scholarship

25% Scholarship

Sports Quota

Player Level

- National
- State
- District

SCHOLARSHIP

Awarded on Tuition Fee

- 100% Scholarship
- 70% Scholarship
- 30% Scholarship

**To avail continuous Scholarship for the remaining semesters, please refer to the Admission KIT*

PhD Programme

[Admission to Phd will be notified through a separate Advertisement]

Eligibility Criteria:

A Master's degree in Physics/ Chemistry/ Mathematics/ or equivalent, with a minimum of 60% marks (55% in case of Full-Time Sponsored candidates with a minimum of three years' professional experience, and SC/ST candidates) at Master's level or a Master's Degree with a minimum of 55% marks (50% in case of Full-Time Sponsored candidates with a minimum of three years' professional experience, and SC/ST candidates).

Selection: Candidates will be selected on the basis of their performance in KUEST conducted by the University followed by personal interview. Candidates who have cleared NET-JRF/LS of CSIR-UGC/GATE/GPAT cleared in last 2 years in the relevant subject shall be exempted from KUEST. They will however require to appear for the Personal Interview.

(Merit based Scholarship is not applicable for Phd Programme)

Value Added Offerings

- Mandatory Masters Research Projects leading to publications in Peer Reviewed Journal, Presentation in Seminars & Conferences, etc.
- Excellent Faculty Mentors.
- State-of-the-Art Infrastructure.
- In-house coaching for JAM/NET/GATE/GRE/TOEFL for Higher Studies.
- Research Internship at reputed Research Institutes/Universities.
- Collaboration with Academia & Industry of repute for Research & Development, Student & Faculty Exchange.
- Short term workshops for Soft Skill Development of the students.

Hostel Fee

Type	Admission Fee	Per Semester
4 Seater	Rs.10,000	Rs.35,000
3 Seater	Rs.10,000	Rs.42,500
2 Seater	Rs.10,000	Rs.55,000
* 2 Seater with AC	Rs.10,000	Rs.65,000

***Statutory Taxes Applicable | ***Admission to Hostels is for a minimum period of 1 Year*

Student Achievements



Anurag Dutta
MSc (Chemistry)
CSIR-NET Qualified
AIR-31 | NE-SLET Rank 1



Anurag Dehingia
MSc (Physics)
CSIR-NET
Rank - 165



Neha Khetawat
Int. MSc (Chemistry)
Qualified JAM



Abhijit Das
MSc (Physics)
NE-SLET Rank 7



Rohit Gautam
MSc (Physics)
NE-SLET Rank 15



Upasana Nath
MSc (Chemistry)
DST Inspire (IITG)



Ashim Kr. Sarmah
MSc (Mathematics)
Qualified GATE



Abhishek Baruah
MSc (Chemistry)
Qualified GATE
OIL, Duliajan



Lisamoni Kalita
MSc (Chemistry)
DST Inspire
Fellow



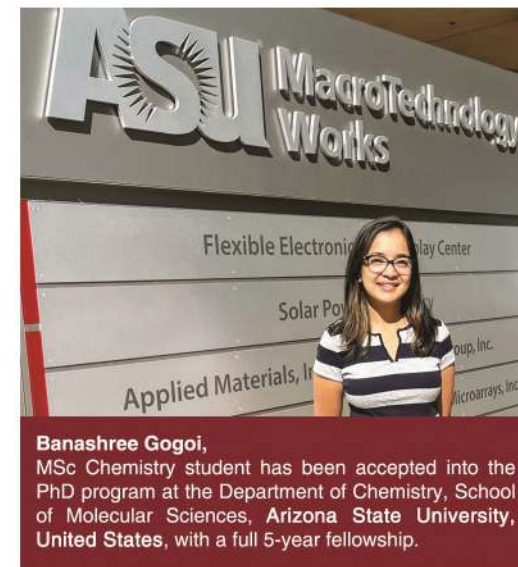
Kangkan Medhi
MSc (Physics)
Presented Paper in
ISC Conference 2019



Vishal Prajapati
MSc (Physics)
DST Inspire
Fellow



Rashmi Bora
MSc (Chemistry)
cleared TOEFL



Banashree Gogoi,
MSc Chemistry student has been accepted into the
PhD program at the Department of Chemistry, School
of Molecular Sciences, **Arizona State University**,
United States, with a full 5-year fellowship.

Faculty Achievements



“Dr. Nabajyoti Saikia

Associate Professor in the Department of Chemistry,
School of Basic Sciences was enlisted in the **GLOBAL LIST OF
TOP 2% OF SCIENTISTS**, as per the data compiled by Stanford
University, USA in 2021.



Dr. Swati Baruah

Associate Professor in the department of Physics was granted a research project on “A first principle numerical simulation of strongly coupled multi-ion plasma in the presence of an external magnetic field” funded by the Board of Research in nuclear sciences (BRNS), Department of Atomic Energy”.



Dr. Madhuryya Deka

Associate Professor in the department of Physics was granted a research project on “Development of novel cellulose-ceramic nanofiber based biodegradable polymer electrolyte for Li-ion batteries” by ASTEC, Assam.



Dr. Dimpal Jyoti Mahanta

HoD, Assistant Professor in the department of Mathematics published 2 books entitled “**The Schnute Growth Model - Introduction and Estimations**” and “**Ring Theory and Linear Algebra-I**”.



Dr. Sarfraz Ahmed

Assistant Professor in the department of Mathematics published a book entitled “**Application of Mathematical Model and Fuzzy Logic in Decision Making and Biological Science**”.



Dr. Satyabrata Gogoi

Assistant Professor in the department of Chemistry published a book entitled “**Carbon Dots in Agricultural Systems**” in ELSEVIER Publishers.

Career Development & Placement Cell



PLACEMENT

Placement cells have been established at strategic National & International locations with a view to guide, motivate, expose & train our aspiring leaders of tomorrow.



HIGHER STUDIES

KU provides on-campus GATE / CAT / GRE / TOEFL and various other coaching facilities for higher education in India & abroad.



ENTREPRENEURSHIP

Northeast Centre for Entrepreneurship (NECE) in association with EDII, Ahmedabad facilitates young minds to innovate, incubate & implement ideas.

Alumni Speaks

I completed my Masters of Science in Chemistry from Kaziranga University in July 2019. For those students that wish to do PhD research abroad, Kaziranga University is the ultimate school of choice. The staff will assist and guide you through all courses to help prepare you for any required entry exams such as IELTS, TOEFL, GRE, etc. The quality of education is beyond expertise as the faculty is dedicated to one on one assistance whenever the need arises. The department has very good connectivity with the leading research institute like CSIR, IIT.

Thank you very much for allowing me to express myself.

Bichitra Borah
*PhD Student (Chemistry),
The University of Iowa, Iowa City, USA*

It gives me immense pleasure to be a part of a reputed University like Kaziranga University and the KU family.

I had an excellent experience during my regular classes, weekly seminars and career development talks regarding experimental lab sessions; professors used to demonstrate every concept in detail. These helped me develop the mindset required to compete in today's global science race. Apart from this, I would like to highlight that the department is highly supportive in clearing our syllabus on time and doing proper and efficient revision.

Chinmoy Baruah
*Department of Chemistry, School of Natural Sciences
The University of Manchester*

It was a great pleasure for me to be a part of The Assam Kaziranga University for 2 years and each and every person concerned has played a vital role in completing my Master's degree. The supportive, friendly, encouraging and always smiling Professors of our Mathematics Department will always be irreplaceable in my heart. The curriculum that was constructed in each semester along with the seminars and programs like Science Day celebrations etc has helped us so much to broaden our knowledge in every way.

Wherever I will be, Kaziranga University, its memories will always be a part of me. Undeniably Kaziranga University is Knowledge and Beyond!!

Tanaz Parbeen
*Associate Data Analyst at PIT Solutions Pvt. Ltd.,
Trivandrum, Kerala*



The platform and all-round guidance I have received in KU throughout my tenure has always encouraged me to compete and perform in a higher level of which I have only imagined before. KU has transformed themselves as not only an institution but also as a brand where they have proven time and time again to shape their students' career in the highest possible manner.

Abdul Shabir
*Doctoral Student
Center for Reliability Sciences and Technologies, Chang Gung University, Taiwan*



It is my pleasure to recall the wonderful years I had spent under the auspices of the Department of Chemistry at Kaziranga University. While pursuing my M.Sc. at KU, I relished the experience of being part of a programme that emphasised career advancement as well as comprehensive skill development. KU has nurtured my aspirations and laid the foundations to achieve those. I would be always grateful to KU for helping me become the person I am today.

Nilutpal Bhuyan
*Assistant Professor, Department of Chemistry
D.C.B. Girls' College, Jorhat*



I feel very proud to be a part of this reputed institute of the entire North East India. I feel that the two years duration of my master's are the best moments of my life. One thing I must have to mention that our teachers are very supportive and helpful and they are trying to give their best in every aspect. I will forever be grateful to this University and I wish this institute plays a major role in the entire science community of India in the near future. Thank you!!

Sanjib Sarmah
*Research Scholar
Polymer & Functional Material Division, CSIR-IICT Hyderabad, Telengana*



I would like to appreciate and applaud myself on the first hand for being a student of the prestigious The Assam Kaziranga University for two years. Green lustrous environment filled with the supportive effort from the faculties make it the perfect student friendly environment that everyone desires. What KU offers is that additional endeavour to grow as an expertise right from the classrooms to the labs. Heartfelt gratitude is the only fairest blossom that I can offer at the end of my ever indebted alma mater.

Bipasha Saikia
MSc - Chemistry, DST Inspire, IIT-Guwahati



Research & Development

• Ongoing/Completed Research Projects: **18**

• Publications

 Books: **4**

 Journals: **200+**

 Conference: **30+**

 Book Chapters: **33+**

• PhD Programme

 Awarded: **4**

 Ongoing: **6**

• Patent: **1**

Our Knowledge Partners



Organizations for Internships & Placement



Distinguished Visitors, Workshops & Symposium



Bharat Ratna Prof. CNR Rao addressing students during PRUDENTIA, an initiative of SBS to inspire young minds into Research & Development



Prof. Ashok Ganguly, Director, INST, Mohali addressing students during PRUDENTIA, an initiative of SBS to inspire young minds into Research & Development



Bhatnagar Awardee Prof. Prasanta Goswami, Director NISTADS interacting with Faculty Members of SBS



Prof. Rajen Kr. Sinha, IITG inaugurating the Workshop on Fundamental Mathematics by Dept. of Mathematics



MoU Signing Ceremony between CSIR-NEIST & Kaziranga University



Workshop on Astronomy & Astrophysics in association with IUCAA-UGC



National Thematic Workshop on advances in Nanostructures Materials



Mini-Mathematics Training & Talent Search Programme by Dept. of Mathematics



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Mr. Bobby Roy

Chief Marketing Officer
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84860 34378

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Dibrugarh

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75770 17747

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