



PG Prospectus 2025-26 PUB KAMRUP COLLEGE



Programmes offered
M.Sc/M.Voc/Integrated M.Sc
Affiliated to
Assam Science and Technology University

Pub Kamrup College

Accredited with grade 'B++' by NAAC

Estd.1972



PG PROSPECTUS 2025-26

Baihata Chariali, Kamrup, Assam, Pin-781381

Website: www.pubkamrupcollege.co.in

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Our VISION

Pub Kamrup College envisions being one of the pioneer educational institutions of the State. It aims to impart quality education to the students from all sections of the society and thereby, enable them to meet the needs and challenges of time. The college envisages erecting the proper platform for the students and the taught to mould intellectually and morally, combined with social commitment for building social order and discipline amidst the plurality and diversity of religion and culture of the nation.

It envisages on value-based education, all-round development of the students, gender equality and women empowerment, skills development, upliftment of the society especially the surrounding villages and communities and socio-economically disadvantaged sections.

. Promoting Academic and co-curricular activities through innovation, diversity and flexibility as the vision of the college.

This vision can be achieved only by disseminating Universal Knowledge through teaching-learning process

Our MISSION

Pub Kamrup College has been working with the mission to provide quality education to the young generation to prepare them as responsible citizen of the nation to face the challenges of time. Thus our missions are:

1. Give high quality, affordable education and the best of everything in rural areas with the focus on All-round development of students.
2. Build strong moral foundation by giving value-based education and create quality human resources and leaders with discipline, skills, confidence, courage and integrity.
3. Eradicate ignorance, illiteracy and poverty from the society and uplift, support, and empower the weak and help bring changes in the surrounding villages and community.
4. Promote gender equality and women empowerment.
5. Propagate and promote peace, unity, respect, tolerance and love through inter- community living and cultural exchange.



Greetings from Pub Kamrup College



Welcome to the Pub Kamrup College community. As representatives of our institution, including students, teachers, stakeholders, and our esteemed Governing Body, I extend a warm welcome to all aspirants for the upcoming academic session of 2025-'26.

As you know, Pub Kamrup College, affiliated to the first university of the north east, the prestigious Gauhati University is an institution of general higher education with Humanities and Sciences as its core disciplines, added with a few self financed professional courses. In our college, the +2 (Higher Secondary) classes in both the streams are still existent until the govt. implements its policies and promises to curb it to amalgamate these classes to the higher secondary schools.

In addition to our existing UG programmes, Pub Kamrup College is also offering postgraduate courses under Assam Science and Technology University (ASTU). These include M.Sc programs in Biophysics, Physics, Computer Science, Zoology, M.Voc in FPQM, and an Integrated M.Sc in Biophysics.

Our institution has undergone revitalization, bolstering faculty, infrastructure, and the socio-emotional fabric to deliver holistic, learner-centered education. We believe in universal and inclusive education as the cornerstone for nurturing well-rounded, communities and a prosperous nation.

Pub Kamrup College holds a strategic advantage due to its locality, serving as a beacon of education in the greater Baihata Chariali area and neighboring districts of Assam. This advantageous location fosters community engagement and provides students with unique opportunities for experiential learning and practical exposure to local socio-economic dynamics.

High-quality higher education, aligned with the landscapes of knowledge and employment, is our constant endeavor. Guided by the principles of the Sustainable Development Goals (SDGs) — People, Planet, Prosperity, Peace, and Partnership — we aim to contribute to national development as outlined in the New Education Policy 2020.

Although resource constraints are a challenge, our collective efforts, supported by dedicated colleagues, stakeholders, students, and the visionary Governing Body, ensure resilience and progress. We remain unwavering in our commitment to quality education, always striving to meet unlimited demands with limited resources.

In a grand culmination of its illustrious history, Pub Kamrup College celebrated its Golden Jubilee with a spectacular closing ceremony held from November 17th to 19th, 2023. This momentous occasion marked fifty years of excellence in education and service to the community, reflecting on the college's rich legacy and achievements.

Equipped with ICT-enabled classrooms, a well-stocked library, state-of-the-art facilities including a computer laboratory, indoor stadium, and gymnasium, we strive to provide technology-based, inclusive education in a disciplined and vibrant environment.

In the academic session 2023-24, Pub Kamrup College had admitted the first batch of FYUGP (Four Year Undergraduate Program) students under Gauhati University, following the guidelines set forth in the New Education Policy (NEP) of 2020. Assam Science and Technology University (ASTU) is also set to commence admissions under NEP 2020 guidelines through the eSamarth portal for various programs from academic session 2025-'26.

I am privileged to be part of the Pub Kamrup College family, supported by dedicated teachers, staff, and an active Governing Body. Welcome once again to Pub Kamrup College for the academic session of 2025-'26.

Regards

Dr Bhupen Kumar Sarma
Principal



About the college

Pub Kamrup College, located at Baihata Chariali, Kamrup- Assam is an institution of general higher education with a limited number of professional and add-on courses. This College was established in 1972 as a result of decade-long popular craving and unrelenting effort for such an institute. The College fraternity as well as the locality at large is grateful to the concerned doyens for their able guidance and leadership in the act of initiation of the College. There are a total of 50 permanent teaching positions (8 lying vacant); in addition to which a good number of guest faculties are engaged in all curriculum available in the College.

Baihata Chariali, though semi-urban in nature, is a busy centre of trade, academic activities, and of communication. It is the junction point of two National Highways- 15 and 27. The Madan Kamdev Devalaya (remnant of the 10th- 12th century shrine, now a govt. recognized tourist spot) is at a distance of 2 kms from the College

The new visualization in the changing scenario: Education is elemental for reaching at full human potential as well as for developing an equitable and just society, and promoting national development. Our country has envisioned making India a leader on the global stage in terms of economic growth, social justice and equality, scientific advancement, national integration, and cultural preservation. Only a universal high-quality education can guarantee development and maximization of India's rich talents and resources for the good of the individual, the society, the country, and the world.

Pub Kamrup College has been made ready for high-quality higher education catering to the needs of learners coming from a diverse background in terms of both economic and socio-political concerns. Necessary infrastructural, pedagogical, administrative and psycho-social rearrangements have been designed in response to the lofty goals and SDGs proclaimed in NEP, 2020. We will, in our part, leave no stone unturned to contribute to the national agenda of getting promoted to a global study destination

NAAC Accreditation: The College was awarded 'B⁺⁺' Grade with CGPA 2.80 in its 3rd cycle of assessment during 24 – 25 January, 2023.

Infrastructure:

i) Total land area: 6.07 acres.

ii) Total built-up area: 2.55 acres.

iii) Laboratories: All teaching departments with practical curriculum are equipped with quality laboratory facilities. The laboratory of the DBT

sponsored Advanced Level Biotech Hub is an added apparatus for scientific experiments in the college. The laboratory of the Computer Science Department is a recognized laboratory for Ph.D. research.

Teaching, Research and Organisation

Teaching: *The entire College fraternity is single-mindedly devoted to the task of nurturing the career and character building efforts of students coming from diverse economic background, social milieu and academic environment. At present the number of regular students in the college is 3446. Well-planned teaching, path-finding counselling, frequent use of ICT tools, upgraded classroom and readily available handouts are the basic methods and amenities that the fundamental teaching- learning process is enriched with.*

The teachers of the college do realize their key role to play in the knowledge landscape in the present scenario while shaping our next generation of citizens. They always try to contribute with high quality teaching and single minded devotion in other duties to deliver their public service as teachers. They atone and enrich their subject knowledge through regular research publications in reputed journals, and in book forms. Extensive use of technology like smart class, use of ICT and other technological advances is one of the top priorities among the teachers. The number of full time teacher in the college at present is 61.

Research: *Research is considered a co requisite for high-quality higher education. With proper focus on this area, the laboratories in various departments have been upgraded to meet up the demand of the new*

curricular needs. The DBT funded Advanced level Biotech Hub in the college, established in 2011 is an added vista in the research landscape of the college. The laboratories of the Computer Science Department and Biophysics of the college have been recognized as a Ph.D. research laboratory by Gauhati University. The vocational courses in the college are courses contributing to the research and innovation, especially in the fields of food science and computer software. Addition of B.Voc and M.Voc in Food Processing and Quality Management and B.Voc in Software Development and System Administration have proved to be innovative chapters in the entire district, namely Kamrup. This department has developed specific innovative culture among student communities. Even the election to the students' body of the college is conducted through a Computerized Voting System with unique software developed by student of the vocational course in Software Development and System Administration. The Teaching Fraternity of Pub Kamrup College is earnestly engaged in various forms of research works in different fields and areas. A good number of teachers of the College are pursuing Ph.D. works; some others have already attained Ph.D. and M.Phil. degrees. The teachers endeavour to promote academic excellence in the College by holding departmental seminars, symposia and workshops of State and National status. Teachers of the College are frequently engaged in subject related Research Projects. Students are provided the opportunity of availing exposure to reputed institutions, sites of cultural, environmental, historical and archaeological importance in order to acquaint them with the potential areas of specialized higher studies and research.

Name of the teacher having guideship:

- 1. Dr Manash Barthakur**
- 2. Dr Julie Saikia**
- 3. Dr Navajyoti Choudhury**
- 4. Dr Dipak Konwar**

Organization:

The College believes in achieving targets through a process of decentralized committee structure. The IQAC (Internal Quality Assurance Cell) of the college which was established in 2004 is the major organization to maintain and enhance the overall quality of the College. In addition to the IQAC the college has constituted the following cells for a smooth functioning.

- 1. Academic Committee**
- 2. Academic Monitoring Committee**
- 3. Pub Kamrup College Teachers' Unit (A unit of Assam College Teachers' Association-ACTA)**
- 4. Pub Kamrup College Unit of Assam College Employees' Association**
- 5. Women Cell, Pub Kamrup College**
- 6. Science Forum, Pub Kamrup College**
- 7. Pub Kamrup College Students' Union**
- 8. Extension Education Cell**
- 9. Skill Hub**
- 10. Extension activity Cell**
- 11. Mentor-Mentee Cell**
- 12. Placement Cell**
- 13. PKC Media Cell**
- 14. Centre for Career Guidance and Training**
- 15. Grievance Redressal Cell**

- 16. Anti Ragging Cell**
- 17. SC/ST/OBC Cell**
- 18. Internal Committee of PKC**
- 19. Research and Development Cell**
- 20. National Service Scheme (NSS)**
- 21. Rover and Ranger**
- 22. Eco Club PKC**
- 23. Committee of Cultural Development**
- 24. Sports Management and Development Cell**
- 25. Sankardev Adhyayan Kendra (Centre for Sankardev Studies)**
- 26. Centre for Skill and Entrepreneurship**
- 27. Traditional Knowledge Hub**



Pub Kamrup College Library: A Knowledge Centre

Pub Kamrup College Library is an academic library and inseparable part of Pub Kamrup College, established in 1972, and has been serving its members from its inception. This Library is providing various services to its users and trying to expand the wings of its services. The total area of the Library is approx 552 sqm with extended reading room facility.

Collection: *Pub Kamrup College Library tries to provide the users with the best sort of qualitative and quantitative documents that can be done with the available financial sources and supports. The Library holds approx 32000 numbers of books accessioned in the register.*

Besides its normal book collection the Library holds a number of e-resources. The Library subscribes 12 numbers of regional News papers (Daily/ Weekly), and 9 Magazines on regular basis. Moreover a number of



rare manuscripts and other archival items are also collected and preserved in its museum.

Journal Section: *The Library has a subscription to 15 print journals of international and national repute, which are displayed in the Journal Section with a separate reading arrangement.*

Institutional Membership: *Pub Kamrup College Library is an Institutional Life Member of National Book Trust's organisation i.e. NBT Book Club.*



Awards: *The Library provides two awards to its student-users annually:*

- i) **Best Reading Room User Award:** *As an attempt to encourage the student readers, Pub Kamrup College Library confers this award on the student who utilizes the Reading Room for the longest period in the academic session.*
- ii) **Best Borrower Award:** *This award goes to the student who borrows the maximum number of library documents in an academic year.*

Services & Facilities:

- | | |
|------------------------|-----------------------------|
| a) Reading Room | b) Book Bank |
| c) Jnankosh | d) Computerized Circulation |
| e) OPAC | f) NLIST |
| g) Open Access Journal | h) Reprographic Service |
| i) Digital Library | |

Library Staff

Librarian: Dr. Nirmal Ranjan Mazumder

*Library Assistant: 1. Prasanat Rajbongshi
2. Aparna Deka*

*Library Bearers: 1. Dhiren Sharma
2. Biswajit kakati*

Hostel:

Hostel facilities are there for both girls and boys with limited intake capacity.

Both the Girls Hostel and Boys Hostel are well-furnished, hygienic, and modern and has a healthy academic ambience. The PKC office furnishes all the relevant and necessary information regarding Rules & Regulations, Admission process and fee-structure of the Hostel. Application forms for hostel accommodation can be collected from the college office.

Capacity for Girls' Hostel: 86

Capacity for Boys Hostel: 40



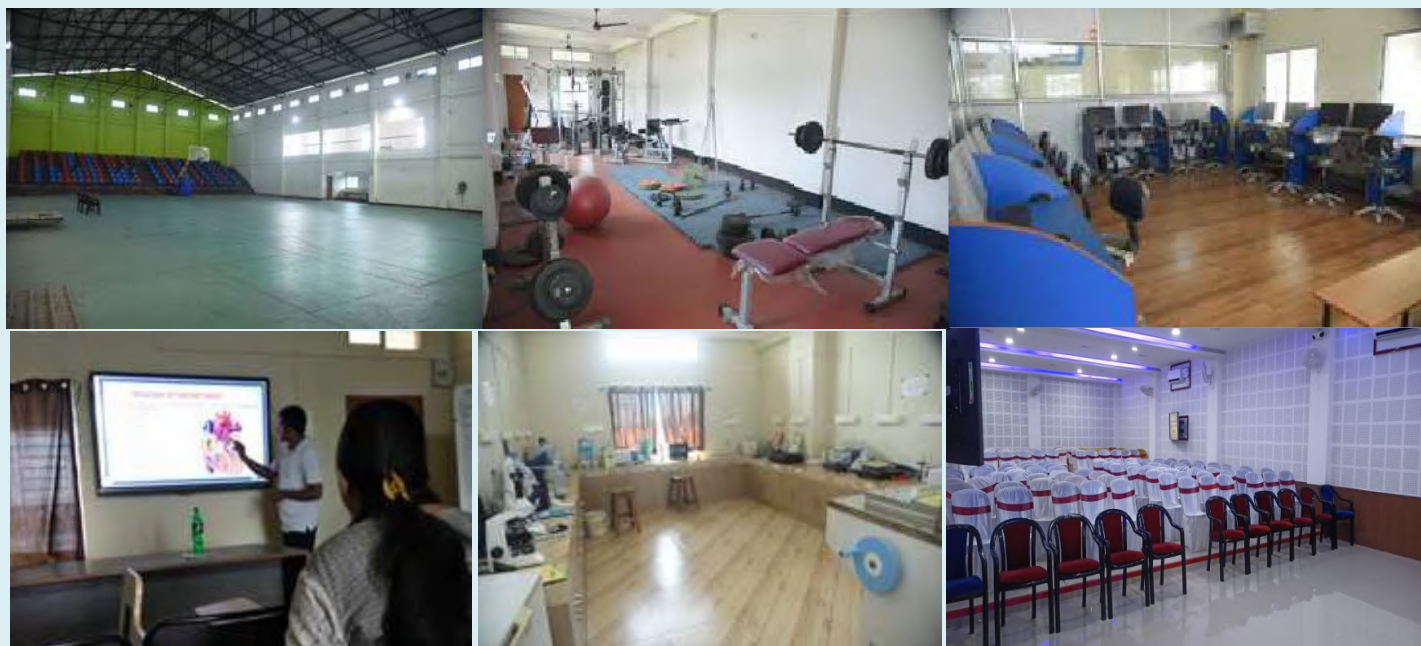
Facilities

- *Regular interaction with eminent personalities, academicians, scientists, administrators & researchers from different areas*
- *Computerized student feedback system*
- *Well stocked library enriched with diverse collection of books, rare manuscripts, national and international journals, magazines & e-resources*
- *Uninterrupted power supply added with DG set and Solar Power Plant*
- *Sophisticated Biotech Laboratory*
- *Campus-wide internet connectivity*
- *Regular exposure for students through educational tour to leading academic & research institutes of the nation, and places of natural, historical & archaeological importance*
- *Assignment of fieldwork/project work on areas of local importance*
- *Summer research project for students*



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- *Encouragement in extra & co-curricular activities*
- *Regular student-exchange programme with other institutions*
- *CCTV surveillance*
- *Student counselling*
- *Job & career avenue display*
- *Air conditioned computer learning center for students*
- *State-of-the-art conference hall*
- *Digital classroom*
- *Printing press*
- *Multi gym*
- *Indoor stadium*
- *Regular practice of different indoor games*



Programmes offered (Self-financed)

The following programmes are offered in the College under Assam Science and Technology University (ASTU)

<i>SL No</i>	<i>Courses</i>	<i>Intake Capacity</i>
1	<i>Integrated M.Sc in Biophysics</i>	20
2	<i>M.Sc in Biophysics</i>	15
3	<i>M.Sc in Computer Science</i>	30
4	<i>M.Sc in Physics</i>	27
5	<i>M.Sc in Zoology</i>	25
6	<i>M.Voc in Food Processing and Quality Management (FPQM)</i>	15



Fee Structure (Self-financed)

<i>For Semester I</i>	<i>Admission Fee</i>	<i>Semester Fee</i>
<i>Integrated M.Sc in Biophysics</i>	<i>Rs 4000/-</i>	<i>Rs 8,000/-</i>
<i>M.Sc in Biophysics</i>	<i>Rs 3000/-</i>	<i>Rs 22,000/-</i>
<i>M.Sc in Computer Science</i>	<i>Rs 5000/-</i>	<i>Rs 30,000/-</i>
<i>M.Sc in Physics</i>	<i>Rs 5000/-</i>	<i>Rs 30,000/-</i>
<i>M.Sc in Zoology</i>	<i>Rs 5000/-</i>	<i>Rs 30,000/-</i>
<i>M.Voc in Food Processing and Quality Management (FPQM)</i>	<i>Rs 3000/-</i>	<i>Rs 22,000/-</i>

Subsequent Semester (Per semester)

<i>Integrated M.Sc in Biophysics</i>		<i>Rs 8,000/-</i>
<i>M.Sc in Biophysics</i>		<i>Rs 22,000/-</i>
<i>M.Sc in Computer Science</i>		<i>Rs 30,000/-</i>
<i>M.Sc in Physics</i>		<i>Rs 30,000/-</i>
<i>M.Sc in Zoology</i>		<i>Rs 30,000/-</i>
<i>M.Voc in Food Processing and Quality Management (FPQM)</i>		<i>Rs 22,000/-</i>

Department of Biophysics



Biophysics is an emerging interdisciplinary field that integrates principles from physics, chemistry, biotechnology, mathematics, and computer science to explore complex biological questions at molecular, cellular, organelle, and systems levels. Though deeply rooted in physical sciences, biophysics finds its application across a broad spectrum, including medicine, biology, agriculture, industry, and environmental science.

Biophysicists utilize advanced techniques such as spectroscopy, imaging technologies, X-ray crystallography, computational modeling, artificial intelligence, and simulations to investigate biological systems. Their research focuses on uncovering physical principles underlying biological processes and developing innovative, problem-solving approaches in life sciences.

Mission

To foster interdisciplinary education, disseminate modern scientific knowledge, inspire early research interest through hands-on learning, and encourage talented students to pursue higher studies in Biophysics.

Vision

To promote the establishment of Biophysics departments in academic institutions, nurture future scientists, and contribute to societal and environmental well-being through scientific advancements in medicine, agriculture, and allied sciences.

Programmes Offered

Offered under Assam Science and Technology University (ASTU), the department provides two academic programmes:

<u>Programme</u>	<u>Duration</u>	<u>Eligibility</u>
<i>Integrated M.Sc.in Biophysics Intake: 20</i>	<i>5 Years</i>	<i>Higher Secondary with Physics, Chemistry, Biology and Mathematics; 45% aggregate marks.</i>
<i>M.Sc. in Biophysics Intake: 15</i>	<i>2 Years</i>	<i>Graduation in Biophysics or allied subjects like Physics, Chemistry, Life Sciences, Microbiology, etc 45% aggregate marks.</i>

Departmental Overview

Established in 2017, the Department of Biophysics at Pub Kamrup College holds the distinction of being the first of its kind in North East India. It was founded with the vision of igniting curiosity and excellence among students in the field of Biophysics by providing comprehensive training that blends physics, chemistry, biology, and mathematics.

Academic Focus Areas

The curriculum blends theoretical instruction with rigorous practical training. Core focus areas include:

- *Molecular and Cellular Biophysics*
- *Radiation and Medical Biophysics*
- *Biophysical Techniques*
- *Bioenergetics*
- *Cancer Biology*
- *Bioinformatics & Molecular Modelling*
- *Biomolecular Spectroscopy & Crystallography*
- *Neuroscience*
- *Nanobiophysics*



Guest lectures, seminars, and project-based learning form an integral part of the programme. Experts from premier institutions regularly engage with students to provide insights into cutting-edge research.

Departmental Facilities

Infrastructure: The department occupies a full floor in the Science Building, equipped with

- 4 dedicated classrooms
- 3 fully-equipped laboratories
- 1 seminar room (36-seater) with LCD presentation facilities

Library: A departmental library hosts over 120 specialized books in Biophysics. Students also have access to the central college library.



The equipments available in our departments are-



UV-Spectrophotometer



Microscope



Digital water bath



Centrifuge



BOD incubator



Laminar flow



Gel electrophoresis



GM counter

Faculty Details

The faculty of the Department is primarily responsible for organizing lectures and practicals for M.Sc./integrated M.Sc in Biophysics programme.

<i>No. of present faculties</i>	<i>03</i>
<i>No. of faculties from other department</i>	<i>04</i>
<i>Lab bearers</i>	<i>01</i>

Name and designation of present faculties

1. Dr. Prantu Dutta, M.Sc.(AU), B.Ed. (GU), Ph.D. (GU)

Assistant Professor and HoD

Research Area: Nano materials, Neuro Science, Waste to value added products

2. Dr. Anowar Hussain, M.Sc.(DU), Ph.D.(TU), HOPE, Fellow(JSPS), PDF(IASST)

Assistant Professor

Research Area: Carcino genesis, Cancer chemo prevention and Therapeutics, Drug delivery

3. Mr. Debajit Buragohain, M.Tech.(TU)

Assistant Professor

Research Area: Biosensor, Artificial intelligence and Big data

Students' Internships, Workshops & Hands-on Training

The Department of Biophysics at Pub Kamrup College actively promotes experiential learning by encouraging students to participate in internships, workshops, and hands-on training sessions at reputed institutions in India. These engagements enhance practical knowledge, research skills, and interdisciplinary collaboration



Students' progression to higher education

Our alumni have successfully ventured into higher education and professional sectors, reflecting the department's emphasis on academic excellence and practical competency.

A significant number of our graduates have pursued doctoral research in leading national institutions. Our students have secured admissions and research fellowships at:

- *Tezpur University,*
- *IIT–Guwahati,*
- *North East Institute of Science and Technology (NEIST), Jorhat*
- *Institute of Advanced Study in Science and Technology (IASST), Guwahati etc*

Student Achievements

We proudly celebrate the accomplishments of our one student (Integrated M.Sc.):

- Selected for SURGE2024 workshop at IISER Pune*
- Chosen as one of only 14 nationwide recipients of the PRISM Fellowship2025 by NCBS, Bangal*

Government Placement

- Graduates from the department have joined in government organizations in roles related to, education, and research. Job roles include:*
- Junior Research Fellows (JRFs) in Government-funded Research Projects*
- Research Assistants*
- Scientific Officers in APSC*
- Junior District Administrative Assistant*
- Graduate Teacher in School and Coaching Institutes*

Success Highlights

Some of M.Sc. graduates have cleared competitive examinations such as CSIR-UGC NET, DBT-JRF, and GATE.

Our students are presently engaged in doctoral research, clinical trials, academic teaching, and private R&D labs, making meaningful contributions to scientific and societal progress.

Career Scope

Biophysics opens a wide array of career opportunities due to the increasing demand for scientific solutions to biological challenges. Fields include:

- *Medical and Clinical Biophysics*
- *Bioengineering & Nanotechnology*
- *Systems Biology*
- *Nutritional Biophysics*
- *Agrophysics*
- *Forensic & Applied Biophysics*
- *Biochemistry*

Graduates can pursue careers in academia, healthcare, biotechnology, agriculture, research institutions, and environmental sciences or continue with doctoral and post-doctoral studies globally.

Contact for Communication:

Dr. Prantu Dutta

Assistant Professor & HoD

Department of Biophysics

E-mail: pkcbiophysics@gmail.com

Phone: 8471930552



Department of Computer Science



Name of the Department: Computer Science

Year of inception: 2005

Vision:

Providing Holistic, affordable and Quality Education within the reach of all

Mission:

Equipping the students with knowledge and skills to prepare themselves becoming domain expertise, identifying their hidden talents and providing opportunities to realize their full potentials and thus shape them into entrepreneurs, future leaders and above all good human beings.

Programmes offered:

- 1. Bachelor of Science(Honours) in Computer Science, affiliated to GU*
- 2. Bachelor of Science (Regular) in Computer Science, affiliated to GU*
- 3. Bachelor of Computer Application (BCA), affiliated to GU*
- 4. Bachelor of Vocation in Information Technology, affiliated to GU*
- 5. Master of Science in Computer Science, affiliated to ASTU*

Intake Capacity: 30

Eligibility:

Bachelor's degree in Computer Science, Information Technology (B.Sc. Major/Pass) or in a related field (BCA/B.Voc IT) with at least 50% marks from a UGC-recognized university.

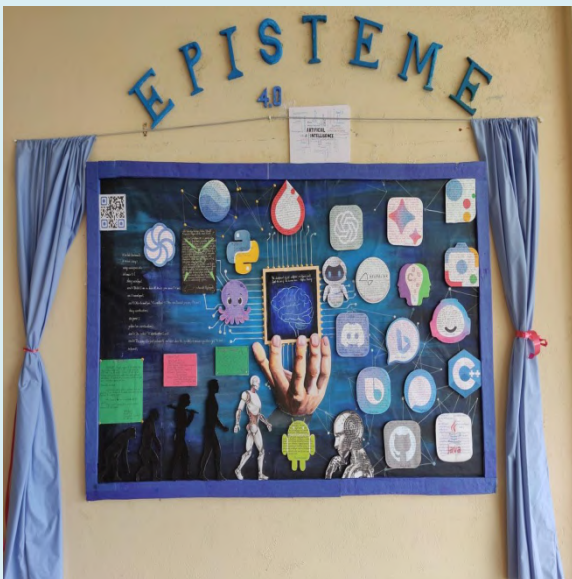
Faculty Details

<i>No. of present faculties</i>	<i>06</i>
<i>Lab bearers</i>	<i>01</i>

Faculty Profile:

<i>Sl.No.</i>	<i>Name</i>	<i>Qualification</i>	<i>Designation</i>	<i>Area of Specialization</i>
<i>1</i>	<i>Pratul Kalita</i>	<i>MCA, Pursuing PhD</i>	<i>HoD & Assistant Professor</i>	<i>Cyber Security, Machine Translation</i>
<i>2</i>	<i>Dhanjit Das</i>	<i>M.Sc, Pursuing PhD</i>	<i>Assistant Professor</i>	
<i>3</i>	<i>Rahul Lahkar</i>	<i>B.Tech, M.Tech, SET Qualified, Pursuing PhD</i>	<i>Assistant Professor</i>	<i>Machine learning, Computer Vision</i>
<i>4</i>	<i>Latika Deka</i>	<i>B.Sc (CS), MCA, Pursuing PhD</i>	<i>Assistant Professor</i>	<i>Machine learning</i>
<i>5</i>	<i>Bandana Deka</i>	<i>M.Sc IT, B.Ed</i>	<i>Assistant Professor</i>	
<i>6</i>	<i>Jyotishman Das</i>	<i>BCA, MCA</i>	<i>Assistant Professor</i>	

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Department of Food Processing and Quality Management



The department of Food Processing and Quality Management (FPQM) at Pub Kamrup College is one of the two departments under Vocational Programme. The department was established in the year 2015. The Department was established with the vision of promoting academic excellence and skill-based learning in one of the most vital sectors of the Indian economy—food and agro-processing. With rapid developments in the food industry, the department aims to produce skilled professionals who are capable of contributing to both industry and research. The department offers both undergraduate and postgraduate vocational programs under the National Skill Qualification Framework (NSQF). These programs blend theoretical knowledge with hands-on training, industrial exposure, and entrepreneurship development.

Mission

- *To impart knowledge and skills in preservation, processing, production and value addition of food products*
- *To innovate in product and process development and ensure food quality and safety*
- *To provide quality education through integration of knowledge in various avenues of food processing technology*
- *To promote and uphold food standards, food laws and regulations for providing a safe food market for the consumers*

Vision

To create trained and skilled students, proficient in the technological aspects of Food Processing, matching the need of burgeoning food industry to fill the skill gap.

Programmes Offered

- *Bachelor of Vocation (FYUGP B.Voc) in Food Processing and Quality Management*
(Affiliated to Gauhati University)
Intake capacity: 50
Eligibility: HS in any stream(Arts/Science/Commerce/Vocational)

- ***Master of Vocation (M.Voc) in Food Processing and Quality Management***
(Affiliated to Assam science and Technology University)

Intake capacity: 15

Eligibility:

B.Voc in Food Processing and Quality Management/Food Processing Technology /or any other related trade

OR

B.Sc in Food Science/Food Technology/Life Science/Biotechnology/Microbiology or any other related subjects

Faculty Details:

The faculty of the Department is primarily responsible for organizing lectures and practicals for B.Voc & M.Voc in FPQM programme.

<i>No. of present faculties</i>	<i>03</i>
<i>Lab bearers</i>	<i>01</i>

Name and designation of present faculties

- 1. Jishnu Deka, M.Tech,UGC-NET ,Assistant Professor and HoD***
- 2. Mridusmita Deka, M.Voc, Assistant Professor***
- 3. Hemanta Deka, M.Tech,Assistant Professor***

Industrial Linkages & Collaborations

-
- The presentation slide on the screen contains the following text:
- Maiti et al., 2020, developed a novel gelatin-chitosan ink based on chitosan, PVA, methacrylate from jambhala (*Chorizanthe* genus) that has satisfactory rheology and FTIR results revealed that methacrylate ink is compatible with chitosan.
- Figure. Color change of Ink based on chitosan and methacrylate ink on methacrylate ink on chitosan.
- The figure shows a 4x4 grid of 16 images of a pink, heart-shaped object. The images are labeled as follows:
- Row 1: (1,1) Control, (1,2) 10% Chitosan, (1,3) 20% Chitosan, (1,4) 30% Chitosan
 - Row 2: (2,1) 10% Methacrylate, (2,2) 20% Methacrylate, (2,3) 30% Methacrylate, (2,4) 40% Methacrylate
 - Row 3: (3,1) 10% Chitosan + 10% Methacrylate, (3,2) 20% Chitosan + 10% Methacrylate, (3,3) 30% Chitosan + 10% Methacrylate, (3,4) 40% Chitosan + 10% Methacrylate
 - Row 4: (4,1) 10% Chitosan + 20% Methacrylate, (4,2) 20% Chitosan + 20% Methacrylate, (4,3) 30% Chitosan + 20% Methacrylate, (4,4) 40% Chitosan + 20% Methacrylate
- The legend indicates that the color change is from pink to green.

Career Opportunities

Graduates from the Department of Food Processing are well-prepared for employment and higher studies in areas such as:

-

PG Prospectus, 2025-26



DEPARTMENT OF PHYSICS



Name of the Department: Physics

Year of inception: 1986

Vision:

The department envisages being a center of excellence in Physics education and research, nurturing inquisitive mind and empowering students to contribute meaningfully to science, technology and society.

Mission:

- To impart quality education in Physics through innovative teaching and practical learning*
- To foster scientific temper, critical thinking, and problem-solving skills among students*
- To engage with the community and promote the relevance of physics in addressing real-world challenges*

Courses offered:

- 10+2 (Science)
- UG
- PG (since 2019)

Faculty profile:

<i>Sl.No.</i>	<i>Name</i>	<i>Highest Qualification</i>	<i>Designation</i>	<i>Area of Specialization</i>
<i>1</i>	<i>Dr. Julie Saikia</i>	<i>Ph.D.</i>	<i>HoD & Associate Professor</i>	<i>Nuclear Physics and Cosmic Radiation</i>
<i>2</i>	<i>Dr. Navajyoti Choudhury</i>	<i>Ph.D.</i>	<i>Associate Professor</i>	<i>Particle Physics</i>
<i>3</i>	<i>Dr. Bipul Deka</i>	<i>Ph.D.</i>	<i>Assistant Professor</i>	<i>Condensed Matter Physics and X-ray Crystallography</i>
<i>4</i>	<i>Dr. Samarjit Sarma</i>	<i>Ph.D.</i>	<i>Assistant Professor</i>	<i>Condensed Matter Physics</i>
<i>5</i>	<i>Mr. Kangkan Medhi</i>	<i>M.Sc.</i>	<i>Assistant Professor</i>	<i>Electronics</i>
<i>6</i>	<i>Dr. Pankaj Sarma</i>	<i>Ph.D.</i>	<i>Assistant Professor</i>	<i>Astrophysics</i>

Infrastructure facilities:

- *Class rooms: 05 (Two of them are equipped with ICT facilities)*
- *Laboratories: 04*
- *One computer laboratory with internet connectivity in six (06) computers*
- *Adequate equipments for practical courses*
- *One departmental library with 600 books*
- *Toilets: 05*

Achievements and activities

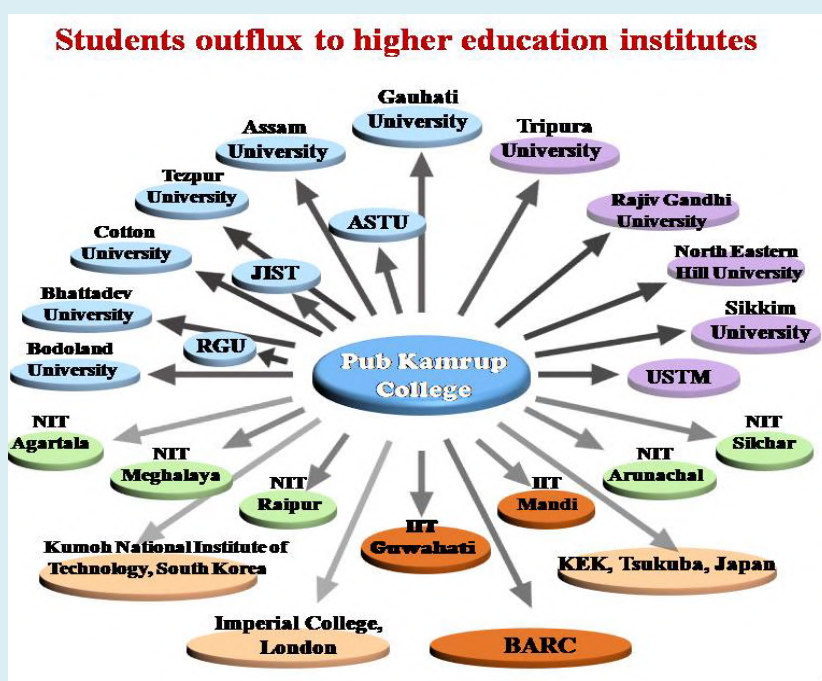
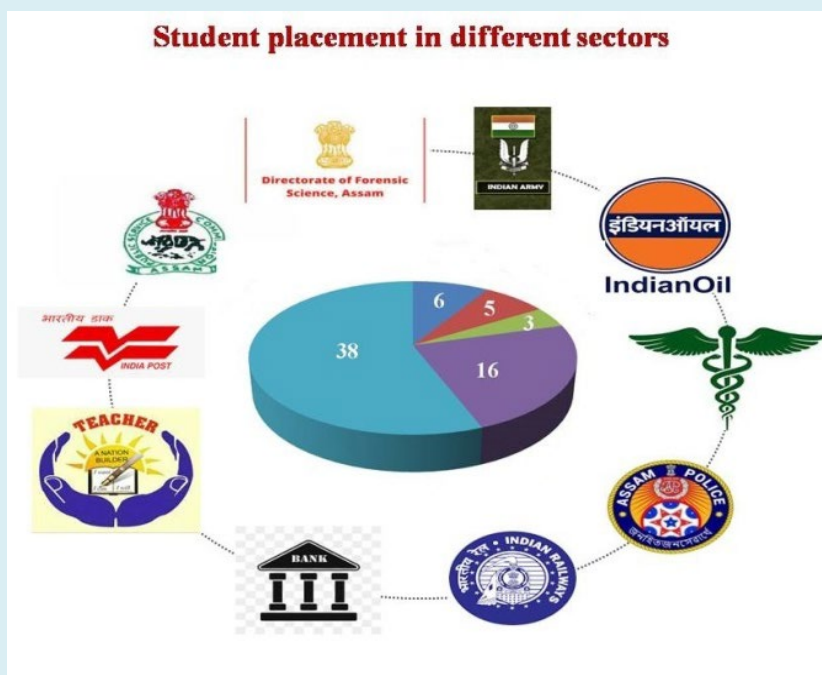
The Department of Physics takes immense pride in its consistent record of academic excellence and active engagement in scholarly pursuits. One

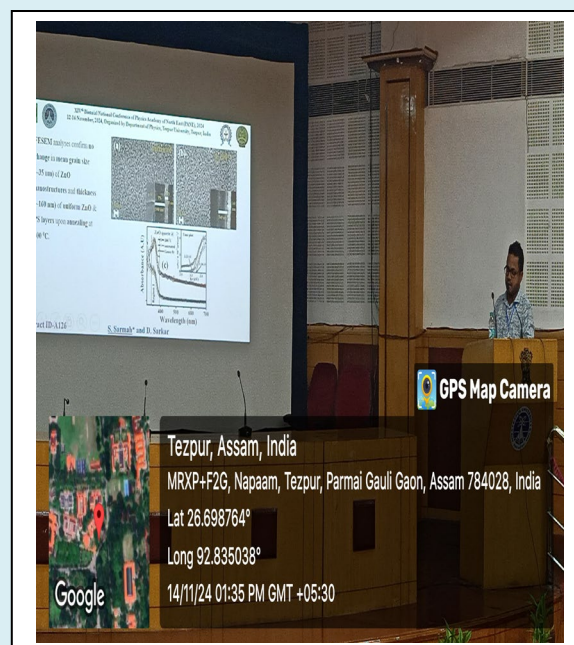
of the department's most notable achievements has been outstanding performance of its students in various national level examinations including JAM, GATE, NET and other competitive examinations. In the current academic year four students have qualified the IIT-JAM 2025 and two students qualified IIT-JAM 2024. Adding to these academic milestones, the department proudly acknowledges a large number of alumni who have obtained their Ph.D. degree and three of them have progressed to postdoctoral research position in Imperial College, London; Kumoh National Institute of Technology, South Korea, and Indian Institute of Technology Guwahati. A matter of great pride for the department is the recognition of our alumni Dr. Sagar Bhattarai who has been listed among the top 2% scientists worldwide by Stanford University- a prestigious achievement that underscores the global impact of our academic community. Adding to these accomplishments, Dr. Biraj Kakati and Dr. Jugal Lahkar have been appointed as faculty members of Tezpur Central University. Their appointments highlight the department's role in shaping future educators and researchers for premiere institutions.

Career Prospects and Placement

The department has earned a reputation for producing highly capable graduates. A significant number of alumni from the department have gone on to secure esteemed positions as Assistant Professor in college and universities across Assam and other parts of India. This highlights the department's focus on academic excellence and its success in preparing students for careers in higher education. Many former students have also joined research organizations and pursuing advanced studies in Physics and allied fields. The career progression

and placement data as shown below clearly show our relentless commitment for making a better life of our students.





DEPARTMENT OF ZOOLOGY



The Department of Zoology at Pub Kamrup College, situated in Baihata Chariali, Assam, was established on August 21, 1986, with an intermediate course in zoology. Subsequently, in 1989, the department commenced its degree course in zoology, initially offering a general program. This was further expanded in 1994 to include B.Sc. Zoology (Major). Notably, the department embarked upon its M.Sc. Zoology program in 2020. Presently, the department has well equipped laboratory facilities, departmental library, and zoological museum and ICT classrooms for undertaking teaching learning activities. The department organizes visits to various educational and research institutes, as well as field trips to national parks and sanctuaries, with the objective of providing students with immersive, hands-on learning experiences in diverse environments.

Dedicated to providing quality education, the department is committed to foster the holistic development of its students. Most of the alumni of the department have successfully established themselves in different fields across the country. Department takes great pride in the achievements of its distinguished alumni. Their achievements inspire current students and future generations, shaping a legacy of excellence in the field of Zoology.

Courses Offered:

- *Bachelor of Science (Honours) in Zoology*
Affiliation: Gauhati University
Intake: 75
- *Master of Science in Zoology (Specialization in Fisheries & Aquaculture, Entomology)*
Affiliation: Assam Science and Technology University
Intake: 25
- *CERTIFICATE Course on SERICLUTURE*

FACULTY DETAILS:

<i>No. of present faculties</i>	<i>07</i>
<i>Lab bearers</i>	<i>02</i>

- *Dr Manash Barthakur, Associate Professor (Under lien)*
- *Miss Sarojmoni Sonowal, Assistant Professor (H.O.D)*
- *Mrs Richa Sharma, Assistant Professor*
- *Mrs Chayanika Devi, Assistant Professor*
- *Mr Manash Jyoti Kalita, Assistant Professor*

- *Miss Kankana Choudhury, Assistant Professor*
- *Niharika Kalita, Guest Faculty*

LABORATORY STAFFS

- *Mr Lohit Kakati (Laboratory bearer)*
- *Mr Mukul Ali (Laboratory Bearer)*

INFRASTRUCTURE AND FACILITIES:

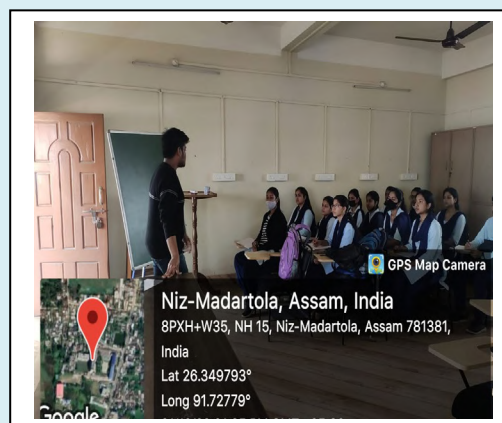
- *Library with 610 no. of books is available in the Departmental library.*
- *One computer with internet facility for staff and students*
- *Class Rooms with ICT facilities: One Room with LCD projector and one more Room with Digital Smart board facility available at the Department*
- *Laboratories: Two*

Departmental Achievements:

- *The First Prize in Wall-Magazine Competition, 2023 was awarded to the Department of Zoology (Bihangam) Topic - "Human-Animal Conflict".*
- *The Second Prize in Pub-Kamrup College Golden Jubilee Science Exhibition 2023 was awarded to the Department of Zoology along with a cash prize money of Rs. 3000.*
- *On 28th Feb, 2024, Department in collaboration with Eastern Karbi Anglong College organized a Quiz Competition on the occasion of National Science Day where 2nd and 3rd prize was awarded to Rajdeep Sarma and Sweetie Deka of B.Sc. 4th semester.*
- *On 50th Youth Festival -2024-2025, Department bagged 2nd prize in Chorus competition, 2nd prize in Boys Tug of War Competition, 1st prize in Girls Tug of War Competition and Champions Trophy in Boys Cricket Tournament.*



Vulture Convention- B.Sc 5th semester students visited Rani



Orientation program on civil service examination



Lecture and hands-on training on "Freshwater Pearl Culture for Entrepreneurship Development"



Students of BSc 5th semester visited College of Fishery at Raha, Nagaon



Observation of National Science Day, 2025



Seminar presentation by M.Sc students



Field visit to Mangaldai Sericulture by M.Sc 2nd semester students



Field visit to Debojit Barman Fish Seed & piglet Producer and supplier farm



Eri seed & sapling Distribution camp at Bamunigaon, Kamalpur



Training programme on Aquarium setup and ornamental fish keeping



Faculty Exchange programme under MoU between Pub Kamrup College and Eastern Karbi Anglong College



Talk on Soft skill and Personality Development by Dr. Seema Jyoti

ADMISSION RULES

Five year Integrated Post graduate programme:

For candidate seeking admission in Integrated M.Sc in Biophysics must pass Higher Secondary with Physics, Chemistry, Biology and Mathematics with 45% aggregate marks.

Admission to 1st semester Integrated M.Sc in Biophysics will be conducted via the common admission portal SAMARTH,

<https://assamadmission.samarth.ac.in>

A candidate seeking admission into Integrated M.Sc in Biophysics must apply through

<https://assamadmission.samarth.ac.in>

Two Year Post Graduate Course:

- *Application form for admission into Post graduate programme at Pub Kamrup College is to be filled online through the College website: **www.pubkamrupcollege.co.in***
- *Completed application form in all respects, must be submitted online on or before the last date of submission.*
- *Necessary documents must be uploaded online while submitting the form.*
- *Applications without relevant documents will be rejected.*
- *Refer to the college website for updates regarding admission related matters.*
- *Admission to the College is made strictly in order of merit (last qualifying examination).*

- *The candidate must take admission as per notified dates without fail or else will forfeit the claim to the seat.*
- *Merit lists and waiting list for admission will be available in the college portal*
- *College authority reserves the right for cancelling admission if any incorrect information or false documents are uploaded and the decision of the authority will be final.*

IMPORTANT INFORMATION TO STUDENTS

IDENTITY CARD

An identity card will be issued to every student after admission to the College. The card shall contain information of the holder along with a recent passport size photograph of the student duly endorsed by the Principal. The Identity Card is non-transferable. A student must keep the Identity Card with him/her and he/she must produce the same whenever asked for. Students must renew his/ her Identity Card at the end of each academic year positively.

LIBRARY Card

Library membership is compulsory for all students and each student will be issued library card after the admission.

EXAMINATIONS

The College follows the rules and regulations of Assam Science and Technology University for the Post Graduate Programmes. As such, a student's performance is strictly monitored through continuous assessment in the theory and practical courses. Internal assessment is based on Sessional Examinations, class tests, seminars, projects, class attendance etc. At the end of each semester a final external examination

is conducted as per the schedule fixed by the University. The final result of a student will be based on the total marks obtained in both internal and external examinations. Students must secure pass marks in both internal and external examinations separately.

ATTENDANCE

- Every student is expected to have 100% attendance in each subject in which he/she has registered in the beginning of the course. However, for shortage of attendance up to 25% maybe granted on on-duty, Medical or other genuine grounds. Such students must submit a certificate/document from the appropriate authority of the Head of the Institution, within a week after they return to the Institute. Certificates submitted after one week shall not be entertained on any account.*
- A student should have average attendance of 75% or more, taking both theory and practical classes together, for eligibility of appearing in the End-semester Examinations. No individual subject should have less than 65% of attendance.*
- Students with average attendance of 75% or more but less than 65% attendance in one or more subjects will be treated at non-collegiate (NC). NC students will be eligible to appear in the End-semester Examinations after paying fine as fixed by the University.*
- Students with less than 65% of average attendance shall be considered as Dis-Collegiate (DC) and shall not be allowed to appear the End-semester Examinations. No appeal in this regard will be entertained.*

College Uniform

Attending classes in prescribed uniform is mandatory for all the students. Specifications of uniform of the College are as stated below:

Students of all PG programmes will maintain a uniform dress code as specified-

- **Boys**

Long pants-shirt

Colours specification-

Pants-Grey colour

Shirt-Dark cream colour

- **Girls-**

Salwar-Kurta(formal)with dupatta

Colours specification-

Grey colour salwar and dupatta with dark cream colour Kurta

College badge:

- *Boys- The Badge is to be stitched on chest in the left side (on the pocket)*
- *Girls- The Badge is to be stitched on the right arm of the kurta*

The College Badge (s) can be collected on the day of admission on payment of specified price.

College Canteen

College Canteen, funded by the PKC Teachers' Unit provides food and beverage at a nominal rate to the members of the College fraternity

Rules and Regulation

Discipline

- *The college lays great emphasis on behaviour of its students both in the college and outside. Discourtesy to seniors/elders/teachers/staff, use of abusive language, unruly behaviour, and vandalism is not tolerated. Such students will be warned to mend their ways and their parents/guardians are also informed.*
- *Ragging is strictly prohibited in the college; any violation shall lead to disciplinary action. If the violation is found to be serious in nature, action will be taken on the basis of established law. (Supreme Court Order May 2007).*
- *Use of tobacco of any kind and toxic substances is strictly prohibited in the college campus.*
- *Avoid gender prejudices.*
- *Avoid misuse of electricity.*

Guidelines for Students:

- *Follow the dress code (College Uniform) in college.*
- *This is your college. Keep it clean and green so that you and others may be proud of it.*
- *Aim at 100% attendance and unfailing punctuality.*

- *Inculcate good values and imbibe good qualities of honesty and sincerity. Cultivate good manners.*
- *Always behave in such a way that your parents and teachers feel proud of you.*
- *Do hard work. Your parents, society and the nation expect a lot from you.*
- *Don't miss the classes and keep regular contact with your teachers.*
- *Visit Library and news paper stand regularly.*
- *Allot time for sports activity in your daily schedule to stay fit and healthy.*
- *Always be sincere and honest in your work and life. Remember that each one of us has a goal in life. So identify your talent/interest and develop it relentlessly.*
- *Taking feedback about the college and teaching process is a regular process. You are to fill up and submit feedback forms whenever provided to you.*
- *Make it a habit of checking your emails regularly to find email notifications from the college*

Core Values:

“Service before Self” is the core value of Pub Kamrup College. To inculcate this value among the students and teachers programmes like social work are taken involving various wings of the college like NSS, Scouts and Guide, Alumni, Students Union etc.

Admission Schedule for session 2025-26

The form fill up and admission to various classes in Pub Kamrup College for the session 2025-26 will be held as per the following schedule:

<i>Class</i>	<i>Date of issue of forms</i>	<i>Last date of submission</i>	<i>Date of publication of merit list</i>	<i>Date of admission</i>
<i>Integrated M.Sc (Biophysics) 1st semester</i>	<i>To be done via Samarth portal</i>	<i>To be done via Samarth portal</i>	<i>To be done via Samarth portal</i>	<i>To be announced in college website</i>
<i>M.Sc Biophysics/ Physics/ Zoology/ Computer Science 1st semester</i>	<i>To be announced in college website</i>	<i>To be announced in college website</i>	<i>To be announced in college website</i>	<i>To be announced in college website</i>
<i>M.Voc FPQM 1st semester</i>	<i>To be announced in college website</i>	<i>To be announced in college website</i>	<i>To be announced in college website</i>	<i>To be announced in college website</i>



RAGGING FREE COLLEGE CAMPUS

Ragging is strictly prohibited inside the College campus. Ragging in any form will be treated as a criminal offence inviting stringent punishment under the UGC regulations No. F. 1-16/2009(CPP-II) dated 21.10.2009 and DHE, Assam notification dtd. 29th July 2003.



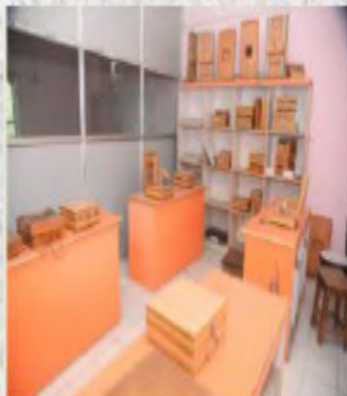
College Administration

PRINCIPAL : Dr Bhupen Kumar Sarma, M.Sc., LLB, Ph.D.

Vice-Principal : Mrs Rina Deka, MSc.

NAME OF THE EXISTING EMPLOYEE S OF PUB KAMRUP COLLEGE				
SLNo.	Name of Employees	Designation	Department	Remarks
1	Nalini Kanta Deka	UDA	Office	
2	Krishna Kt Boro	LDA	"	
3	Jutika Mahanta	"	"	
4	Shyam Pratim Deka	"	"	
5	Kishan Kumar Gautam	"	"	
6	Dhanjit Sarma	"	"	
7	Pinku Deka	"	"	
8	Prasanta Rajbongshi	"	Library	
9	Aparna Deka	Library Assistant	"	
10	Babita Das Deka	Office Assistant	Office	
11	Jagadish Das	Grd -IV	Office	
12	Dhiren Sarma	Grd-IV	Library	
13	Tilak Kakati	Bearer	Physics	
14	Jogeswar Das	"	"	
15	Anurit Kalita	"	Chemistry	
16	Mukul Ali	"	Zoology	
17	Lohit Kakati	"	"	
18	Ranju Deka	"	Geography	
19	Bhaban Das	"	Statistics	
20	Biswajit Kakati	"	Library	
21	Nipjyoti Deka	"	Geography & Press work	
22	Gagan Das	Grd -IV	Office	
23	Hrishikesh Das	Grd -IV	Office/IQAC	
24	Pranab Shyam	Grd IV	Office	
25	Ganga Das	Bearer	Chemistry	
26	Sujitabh Basumatary	"	Botany	
27	Prabin Kalita	"	Botany/Biophysics	
28	Dipu Kakati	Bearer	Computer/B. Voc.	
29	Jiten Deka	Operator	College Press	
30	Khargeswar Nath	Bearer	Biotech Hub	
31	Tabibar Rahman	Gate Keeper/Cleaner	Stadium/Hostel Gate	
32	Hirak Das	Bearer	IQAC	
33	Sagar Basfore	Sweeper	College campus	
34	Anowara Begum	Cleaner	Office/Classrooms	
35	Dipak Kakati	Cook	College Hostel	
36	Amarendra Dutta	"	"	
37	Noushad Ali	Night Chowkidar	"	
38	Bharati Deka	Ward Girl/Gate Keeper	Girls Hostel	
39	Bhannu Kakati	"	"	
40	Tazmur Ali	Cleaner	College Campus	







Pub Kamrup College
Baihata Chariali, Kamrup, Assam, Pin-781381
Website: www.pubkamrupcollege.co.in