About Nagaland University

Nagaland University, the 13th Central University and the only Central University in Nagaland was established based on the Act of Parliament of India and received the assent of the President of India on 20th October 1989 as THE NAGALAND UNIVERSITY ACT 1989 (No. 35 of 1989) and came into force as notified in THE GAZETTE OF INDIA EXTRAORDINARY PART-II SECTION-1 in October 1989 published by the Ministry of Law and Justice (Legislative Department), New Delhi. The University came into being on September 6, 1994 having jurisdiction over the entire state of Nagaland. Prior to this, Nagaland had been in the catchment area of North Eastern Hill University (NEHU), with Kohima designated as one of the campuses of NEHU along with SASRD-Medziphema. With the establishment of Nagaland University, the two erstwhile campuses inherited from NEHU as well as the colleges affiliated to it fell within the jurisdiction of Nagaland University. The nascent University had to go through many teething problems initially. The Headquarters of the University, i.e. Lumami, as per the Act could not immediately accommodate the needful so as to start functioning as Headquarters. Hence, for nearly a decade and half Nagaland University had been functioning from Kohima as the interim Headquarters of the University. Meanwhile, the establishment of the academic departments was sanctioned by the Government in the year 1997. All the new departments had to be located at Lumami and started functioning with Kohima still as the interim Headquarters. Constructional activities started earnestly making it fit for academic pursuits at the Headquarters in the best possible way. Upon the completion of new constructions to a reasonable stage, the shifting of interim arrangement at Kohima to Lumami took place in the mid year of 2010. At present the University has three campuses, viz. (i) Headquarters at Lumami in Zunheboto district (ii) Kohima Campus at Meriema in Kohima district (iii) Medziphema Campus (School of Agricultural Sciences) at Medziphema in Dimapur district. The erstwhile temporary campus at Dimapur (School of Engineering & Technology) has been shifted to Kohima in 2024. There are 44 departments offering Undergraduate and Postgraduate and Ph.D. programmes in different disciplines of Arts, Commerce, Sciences, Agricultural Sciences, Engineering & Technology and Management streams. There are 69 colleges from all over the state of Nagaland currently affiliated to Nagaland University.

Department of Information Technology

The Department of Information Technology focuses on training students in the creation of computer-based information systems for efficient storage, processing, analysing and dissemination of information to cater to the needs of the people in making the decision-making process more effective. With the objective to foster innovative thinking among students and faculty in the field of IT, the department orients students with the skills required in the IT industry, motivates them in the field of research, and equips them with cutting-edge IT software. The thrust areas of research include Information Systems Development, Computer Networks, Distributed Systems, Web Technology, Programming, Image Processing, Knowledge Representation, Artificial Neural Networks, Ontology Dynamic, Natural Language Processing, and Machine Learning.

Aim of the Conference

The objective of the International Conference on Intelligent Computing, Bioinformatics and Healthcare Technologies (ICIBHT) is to bring together researchers, academicians, healthcare professionals, engineers, students and industry experts working in intelligent computing and the life sciences on a common platform for sharing knowledge, ideas and innovative research. The conference aims to foster interdisciplinary discussion on artificial intelligence, machine learning and data-driven technologies and their applications in bioinformatics, computational biology, healthcare and related life-science domains. A pre-conference research workshop for PhD scholars, M.Tech/M.E. students and final-year undergraduate students will also be held.

Conference Topics

Track 1: Bioinformatics & Computational Biology

- Computational genomics and proteomics
- Sequence Analysis
- Transcriptomics and multi-omics
- System biology
- Structural bioinformatics
- Molecular modelling
- Phylogenetics
- Biological Databases
- Computational drug discovery

Track 2: Artificial Intelligence and Machine Learning for Life Sciences

- Machine learning and deep learning
- Explainable AI
- Generative AI
- Multimodal learning
- Transfer learning
- Federated learning
- Computational intelligence
- AI for biological data analysis

Track 3: Medical Image Processing and Biomedical Vision

- Medical image processing
- Computer vision
- Medical image segmentation
- Histopathological image analysis
- Radiomics
- Digital pathology
- Biomedical imaging
- AI-assisted diagnosis

Track 4: Healthcare AI and Biomedical Data Analytics

- Clinical decision-support systems
- Disease diagnosis and prediction
- Prognostic modelling
- Survival analysis
- Biomedical signal processing
- Electronic health records
- Healthcare data mining
- Precision medicine
- Multimodal healthcare AI
- Trustworthy and explainable healthcare AI

Track 5: Intelligent Computing & Communication Networks

- Intelligent communication systems
- AI-enabled networks
- Internet of Things
- Healthcare IoT
- Wireless sensor networks
- AIoT
- Cyber-physical systems
- Intelligent edge networks

Track 6: Cloud, Edge and Fog Computing

- Cloud computing
- Edge computing
- Fog computing
- Edge intelligence
- Distributed AI
- Federated learning
- Healthcare cloud computing
- Resource optimization

Track 7: AI and Computational Technologies for Agriculture

- Precision agriculture
- Smart farming
- Crop disease detection
- Agricultural image processing
- Remote sensing
- Agricultural IoT
- Crop prediction
- AI for agricultural biotechnology
- Computational plant science

Track 8: Emerging and Interdisciplinary Technologies

- Data science and big-data analytics
- Knowledge discovery
- Optimization and evolutionary computation
- Digital twins
- Privacy-preserving AI
- Responsible and trustworthy AI
- Blockchain applications
- Human-AI interaction
- Emerging computational technologies

Important Dates

Paper submission deadline:	To be announced
Notification of acceptance:	To be announced
Last date of registration:	To be announced
Camera-ready deadline:	To be announced
Pre-Conference Workshop:	To be announced
Conference Date:	September 23-24th, 2027

1st International Conference on Intelligent Computing, Bioinformatics and Healthcare Technologies (ICIBHT 2027)

Scheduled from

September 23-24th, 2027

Organized by

Department of Information Technology, School of Engineering and Technology, Nagaland University , Kohima Campus, Meriema -797004, India.

University Website

https://kohima.nagalanduniversity.ac.in/

Conference Website

https://icibht2027.nagalanduniversity.ac.in/

All submissions are to be submitted by

https://cmt3.research.microsoft.com/

Publication Information

All submitted papers will undergo double-blind peer review by at least three independent experts. Selected high-quality, peer-reviewed papers will be proposed for publication in the conference proceedings, subject to approval by the publisher.

Keywords

Artificial Intelligence · Machine Learning · Bioinformatics · Computational Biology · Healthcare Informatics · Medical Image Processing · Intelligent Computing · Biomedical Data Analytics

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Registration Type	Registration Fee
Conference Proceedings	To be announced

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