

REPORT
ONE DAY WORKSHOP ON BIOINFORMATICS
DEPARTMENT OF BIOCHEMISTRY,
ISLAMIAH COLLEGE (AUTONOMOUS),
VANIYAMBADI- 635752

Faculty members, research scholars, and students of the Department of Biochemistry and Biotechnology actively participated in a one-day workshop on Bioinformatics organized by the Department of Biochemistry, Islamiah College (Autonomous), on Sunday, 18 December 2025. The programme commenced with the Invocation and **Thamizh Thai Valthu**. Dr. A. Gokulakrishnan, Assistant Professor and Head, Department of Biochemistry, delivered the welcome address.

Dr. T. Afsar Basha, Principal, Islamiah College (Autonomous), delivered the presidential address, emphasizing the significance of health and motivating students to contribute towards medical research. Dr. S. Shaik Khader Nawaz, Vice Principal (Academic), Islamiah College, highlighted the relevance of artificial intelligence in the healthcare sector. Dr. H. Jafar Ali, Associate Professor and Head, Department of Biotechnology, spoke on the need to adopt *in silico* approaches in life science research.



Technical Session I commenced at 11:30 a.m. Dr. M. P. Ashar Waheed, Assistant Professor, Department of Biochemistry, introduced the resource person by highlighting his contributions in the fields of molecular docking and functional annotation of proteins.



Dr. Syed Abuthakir, Research Associate (Senior), Institute of Systems Biology, The National University of Malaysia delivered a highly informative lecture on “*Functional annotation of hypothetical proteins using AI driven structure similarity approach*”.

Technical session II began by 2 pm. Dr. Syed Abuthakir, provided hands on training on protein structure prediction and annotation using the biological databases and bioinformatics tools such as NCBI, RCSB PDB and AlphaFold.



Based on the feedback collected from students through a Google Form, more than 80% of the participants reported that the workshop was highly relevant and useful. A substantial proportion of respondents also expressed interest in the organization of additional workshops in the future.

The kind cooperation extended by Dr. T. Afsar Basha, Principal; Dr. Syed Tahir Hussainy, Vice Principal (Administration); and Dr. S. Shaik Khader Nawaz, Vice Principal (Academic), under the patronship of the Secretary and Correspondent, Jb. C. Khaiser Ahmed Sb., along with the active involvement of the participants, faculty members, students, laboratory assistants, office staff, and volunteers, contributed significantly to the success of the workshop. The sessions were convened by Dr. A. Amjad Hussain and Dr. K. Muhammed Shariq. Mr. P. Mohammed Kashif proposed the vote of thanks. The workshop concluded with the National Anthem.

Total number of participants: **138**

Students: 118

Faculty Members: 20

Organizing Secretary
Dr. M. P. Ashar Waheed
Assistant Professor of Biochemistry

Convener
Dr. A. Gokulakrishnan
Head, Department of Biochemistry