

Hands on Structural Bioinformatics and Data Mining Techniques (24-9-18 to 26-09-2018)

A training programme on “Hands on Structural Bioinformatics and Data Mining Techniques” was organized by DBT funded project Establishment of Bioinformatics Infrastructural Facilities for Biology Teaching through Bioinformatics Centre, College of Fisheries, Central Agricultural University (I), Lembucherra Tripura during 24-9-2018 to 26-9-2018. The objective of this training programme was to train M.F.Sc and Ph.D. student by providing practical exposure on structural bioinformatics techniques as well as on data mining techniques applied to bioinformatics and analysis of big data. Total twenty four participants including 17 M.FSc final year and 7 Ph.D. students were registered for the training programme.

After registration of the participants, pre-training evaluation has been conducted to understand the level of knowledge of the participants in the field of biotechnology and bioinformatics. In this training programme several topics such as Introduction to Bioinformatics and phylogenetic tree analysis, demonstration structure prediction (primary, secondary and tertiary) using GOR-IV, PSIPRED, Swiss-Prot and RAMPAGE servers, Search techniques and ASFA database, introduction to NCBI, EMBL, PubMed databases, BLAST etc., Identification of protein and physico-chemical properties of selected protein using Expassy prot param, Molecular docking using discover studio software, , Insilco Primer Designing and its applications, Interface of molecular biology and bioinformatics simulation: Hands on GROMACS software, demonstration of R software, data mining techniques etc. The selected resources person was faculties, women scientist, research scholars and invited faculty other college of Tripura.





Glimpse of classes and practical demonstration during the training programme

During valedictory programme of the training on 26-09-2018 at 4 PM the coordinator of the training programme Dr. A.D. Upadhyay briefed about the purpose of training, participants and the coverage of the topics. Thereafter Dr. Pramod Kumar Pandey, Dean, College of Fisheries, CAU(I), Lembucherra Tripura has taken feedback from the trainees participants regarding knowledge gain from the training, utility and further scope of improvements in such type of training programmes for the students. The certificate was provided to all the participants of the training programme. The programme was ended with vote of thanks given by Coordinator of training programme.



Glimpse of valedictory function