

Training Programme Hands on Basic Tools and Techniques of Biotechnology and Bioinformatics 23 Feb to 01 March, 2018

A training programme on “Hands on Basic Tools And Techniques of Biotechnology and Bioinformatics ” was organized by DBT funded Bioinformatics Centre and Biotech Hub, College of Fisheries, Central Agricultural University(I), Lembucherra, Tripura, from 23 February to 01 March, 2018. The participants including 26 B.V.Sc final year students and a faculty of College of Veterinary Sciences and Animal Husbandry, R.K. Nagar, Tripura. The programme was initiated with the registration and pre-training evaluation and deliberation of a talk on Aquaculture Biotechnology by Dr. Pramod Kumar Pandey, Dean of the College. In his deliberation, Dr. Pramod Kumar Pandey, highlighted fisheries resources of the country, application of biotechnology in fisheries and aquaculture for the sustainable development and importance training programme for the veterinary science students.



In this training programme several topics such as RNA isolation DNA isolation, Gel electrophoresis and cDna synthesis Quantification, PCR techniques, Cloning and principle of real time PCR, Expressed Sequence Tag (EST) ,PCR Primer Designing, NCBI database and Computational tools for gene expression analysis. Sequence Alignment and Construction of phylogenetic Tree, SPSS software in experimental data analysis, Protein 3D Structure Prediction by Homology Modeling, database concept, database search technique and ASFA database etc. have been covered by the coordinators and other experts. As this training programme was on Hands on, hence trainees were exposed with practical demonstration of molecular techniques, Bioinformatics related software and databases.



Glimpse of classes and practical demonstration during the training programme

The post-training evaluation has been conducted to know the effectiveness of the training programme. It was found that the average performance of trainees in the pertaining evaluation was 7.5 (27.45%) out of total 20 marks. Whereas in post training evaluation their performance was 19.75 (65.75%) out of 30 marks. Further the majority of participants (65%) were rated this training programme as Good followed by very good by 23% and only 7% rated as average. The valedictory function of the programme was held on 01-03-2018 at 3.30 PM in the presence of Dr. D.L. Bijwal, Principal, CVSC&AH, Tripura, Dr. Pramod Kumar Pandey, Dean, COF CAU(I), DR. A.D. Upadhyay and Dr. J. Parhi, coordinators of BIF and Biotech Hub. The programme was concluded with certificate distribution to the participants.



Glimpse of valedictory function