



“Bioinformatics in Biotechnology”

A workshop on “Bioinformatics in Biotechnology” has been organized by the Dept.of Biotechnology, for Biotechnology Engineering students, as part of Research and Activity Development. Dr. Smitha Sunil Kumaran Nair, Head of Post Graduate studies, Middle East College has conducted the workshop on 25th October 2017 in the forenoon session. Under the banner of IEEE professional body, around 30 BE-Biotechnology students participated in the workshop.

The workshop began by introducing Dr.Smitha Nair to the students by Ms.Pragya Bradu,III semester Biotechnology student. The goal of the workshop was to create awareness on the scope of bioinformatics in Biotechnology. Dr.Smitha introduced the students to the world of Bioinformatics by linking the role of a Biotechnologist and a Computer Scientist. Further, she added the importance of storing the huge data obtained through invitro, invivo and insilico studies.

Students were exposed to various Biological databases like GenBank,Uniprot ,PDB etc.and some tools like Raswin & Swisspdb viewer. The students used all the databases online and interacted with the resource person, which increased their knowledge in applying them in bioinformatics research studies.

Dr.Smitha also added the relevance of aligning the sequences of both protein and nucleotides, by making the students to align the sequences given to them using JAligner tool. This hands on demonstration made the students more enthusiastic to further go deeper in the area of Bioinformatics.

Overall the workshop was very much informative and also interactive. All the students and faculty members of Biotechnology Department headed by Dr.Sharmila Queenthy thanked Dr.Smitha for her contribution and Prof.Dr.S.L. Gupta, Dean of WCAS for giving the opportunity for conducting the workshop.