

Report on training programme

The Department of Biotechnology, Faculty of Arts, Science and Humanities, Karpagam Academy of Higher Education has organized a one day programme entitled "Hands-on Training on Biotechnological Techniques" specifically on "SDS-PAGE Gel Electrophoresis" for B.Sc and M.Sc (Zoology) students from Department of Zoology, Arulmigu Palani Andavar Arts College for Women, Palani during 22, December 2018.

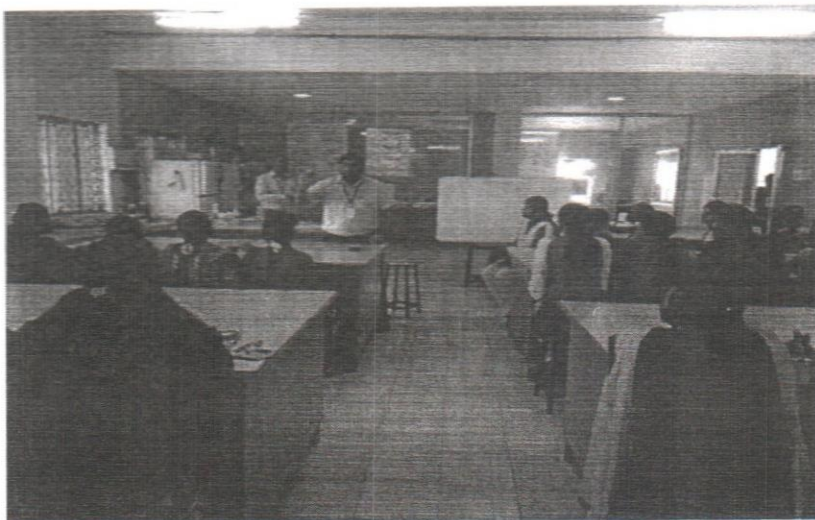
Forty Four students had participated in the workshop conducted in the Department. The programme was started with an **introduction of the department**, facilities available for higher studies, research projects, outcomes by **Dr. Prabu, G. R., Head & Convener, Department of Biotechnology, FASH, KAHE.**

The **technical sessions** were provided by the other faculty members, **Dr. Saranya, R. S., Dr. Sumayya, A.R., Dr. J. Anburaj, and Mr. Nishu Sekar, Assistant Professor, Department of Biotechnology, FASH, KAHE.**



Students were given hands-on-experience on the basic techniques involved in isolation and separation of proteins, DNA using electrophoresis techniques (Agarose Gel Electrophoresis and SDS-PAGE). The basic calculations needed for the preparation of solutions to be used in

these techniques were emphasized and the students were taught to prepare Normal solutions, Molar solutions, Buffers, conversion of 10X to 1 X concentration and adjustment of pH using acid and alkali.




This training programme provided a platform to the students for the use of equipments like Microfuge, Refrigerated Centrifuge, PCR, UV-Visible spectrophotometer.

The principle behind the techniques involved was briefed for each experiment and the students have gained an experience through this programme. The students were also exposed to the instrumental facilities available at Department of Biotechnology, FASH and Instrumentation facility for the use of all the advanced equipments relating to Biotechnology and life Science research field.

The students were also given an introduction about the higher study, PG and Research programme (Biotechnology and other Life Science courses) opportunities and encouraged the students to join in KAHE for higher studies.


Programme Organizing Secretary

(Dr. R.S. Saranya)


Programme Convener

(Dr. Prabu, G.R)