

PROGRAMME SCHEDULE

DAY - 1 Protein isolation - 28.09.18 (FRIDAY)

SCHEDULED TIME	EVENTS
9.00 am - 9.30 am	Registration & Inaugural function
9.30 am - 10.15 am	General talk on protein isolation and purification techniques
10.15 am - 11.15 am	Detailed explanation about "Extraction, Characterization of acid Protease from Zingiber officinale"
11.15 am - 11.30 am	Tea / Coffee Break
11.30 am - 1.00 pm	Extraction Methods
1.00 pm - 2.00 pm	Lunch Break
2.00 pm - 3.15 pm	Purification Methods
3.15 pm - 3.30 pm	Tea / Coffee Break
3.30 pm - 4.30 pm	Desalting techniques - Dialysis

DAY - 2 Protein purification and identification - 29.09.18 (SATURDAY)

SCHEDULED TIME	EVENTS
9.00 am - 10.00 am	Introduction to Purification techniques
10.30 am - 11.15 am	Chromatography techniques explanation - Ion exchange chromatography
11.15 am - 11.30 am	Tea / Coffee Break
11.30 am - 1.00 pm	Protein estimation by Lowery's method
1.00 pm - 2.00 pm	Lunch Break
2.00 pm - 3.15 pm	Confirmation Of Protease by SDS PAGE and Western blotting
3.15 pm - 3.30 pm	Tea / Coffee Break
3.30 pm - 4.30 pm	Valendiction and certificate distribution

TWO DAYS HANDS ON TRAINING ON
**"APPLICATION OF BIOINFORMATICS TOOLS AND
 TECHNIQUES FOR DRUG DESIGNING" - (ABTTDD - 2018)**
 &
**"UNDERSTANDING THE KEY BENEFITS OF
 CORE BIOTECHNIQUES"**

28th - 29th September, 2018

ORGANIZED BY
 DEPARTMENT OF BIOTECHNOLOGY
 FACULTY OF ENGINEERING



Envision | Enlighten | Enrich

KARPAGAM
 ACADEMY OF HIGHER EDUCATION

(Deemed to be University)

(Established Under Section 3 of UGC Act, 1956)

Karpagam Academy of Higher Education
 (Deemed to be University)
 (Established Under Section 3 of UGC Act 1956)
 Pollachi Main Road, Echanari Post
 Coimbatore - 641 021, INDIA
 Phone : 0422 - 2980011 - 14
 Fax : 0422 - 2980022 - 23
 Email : info@karpagam.com
 Web : www.kahedu.edu.in

ABOUT THE INSTITUTION

Karpagam Academy of Higher Education (KAHE) established under Section 3 of UGC Act 1956 is approved by Ministry of Human Resource Development, Government of India, with the aim of providing excellent educational facilities by imparting practical knowledge and skills to the youth. Dr. R. Vasanthakumar, the President of the trust is a philanthropist, industrialist, entrepreneur and culture promoter. Karpagam Academy of Higher Education (KAHE) is setting new benchmarks in the educational sphere and is dedicated for enabling, enlightening and enriching the students mind

ABOUT THE DEPARTMENT

The B.Tech Biotechnology programme was started by the institution in the year 2013. The department mainly focuses on understanding and delivering the concepts of biotechnology in the developing young minds. The department has excellent infrastructure with well equipped Microbiology, Plant Tissue Culture, Animal Cell Culture and an Instrumentation Lab with instruments like HPLC, GC, PCR (Real-Time PCR), ELISA Reader and an IR-Spectrometer are available for learning and research activities of students.

BENEFITS OF THE PROGRAMME

Application of bioinformatics tools & techniques for drug designing has emerged to be the vital concept in research and development. To understand the key benefits of core biotechniques is of much importance for the students who aspires to work and carryout research. This event would facilitate hands on training in both aspects and the students will be able to procure complete knowledge about the techniques.

KEY SPEAKERS

- 1) Dr. R. Thilagavathi,
professor & Head,
Department of Biotechnology,
Faculty of Engineering.
- 2) Mr. S. Adam,
Assistant professor,
Department of Biotechnology,
Faculty of Engineering,
KAHE.
- 3) Ms. P. Yasodha,
Assistant professor,
Department of Biotechnology
Faculty of Engineering,
KAHE.

SKILL BASED TRAINING PROGRAMME REPORT FOR THE ODD SEM

2018-2019

- The main intention to organize skill based training programme was to give the students an additional knowledge on the key aspects of bioinformatic tools and drug discovery techniques.
- A skill based training on "Application of Bioinformatics Tools and Techniques for Drug Designing" - (ABTTDD-2018) was conducted on 28th september-2018 at Department of Biotechnology in Karpagam Academy of Higher Education.
- Dr.R.Thilagavathi, Head of the Department, Department of Biotechnology, delivered the inaugural speech to the participants. Ms.P.Yasodha-Assistant Professor (Organising secretary) and Mrs.M.Sundhara Dhivya conveyed the felicitation to the students.
- Hands on training was given to the participants and they had gained knowledge about Retrieving protein/ nucleotide sequence information from NCBI database, Accessing bibliographic/books database from NCBI, to reveal information about the nucleotide/protein sequences using embl database etc.,
- Around 12 students from third year-Department of Biotechnology(B.Tech) had participated and benefitted from the programme.

S.NO	NUMBER OF PARTICIPANTS	
	Skill based training in "Application of Bioinformatics Tools and Techniques for Drug Designing" - (ABTTDD-2018)	Total
1.	12	12



KARPAGAM
ACADEMY OF HIGHER EDUCATION

(Deemed to be University)

(Established Under Section 3 of UGC Act, 1956)

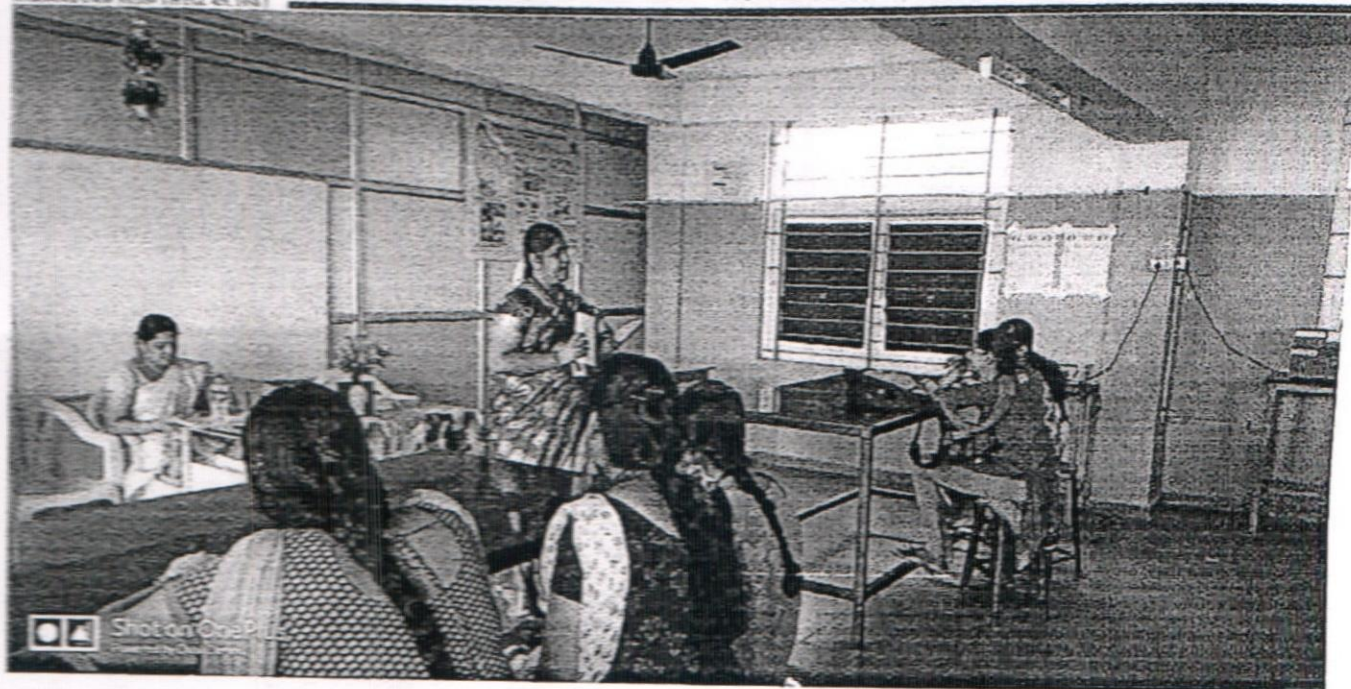
KARPAGAM ACADEMY OF HIGHER EDUCATION

(Deemed to be University)

(Established Under Section 3 of UGC Act, 1956)

Pollachi Main Road, Eachanari Post, Coimbatore - 641 021, Tamilnadu, India.

Phone : 0422 - 2980011 - 14, 6471113, 14 | Fax : 0422 - 2980022-23 | Email : info@karpagam.com



Dr.R.Thilagavathi-Head of the Department, Department of Biotechnology (FoE), delivered the inaugural address for Skill based training programme conducted on 28-09-2018.



Dr.R.Thilagavathi-Head of the Department, Department of Biotechnology (FoE), released the handouts to the participants.