



**16,17 March
2018**

KSCSTE
Sponsored
National Seminar

on
**Molecular Tools
&
Disease Detection**

Jointly Organised by

KSCSTE

&

**DEPARTMENT OF
BIOTECHNOLOGY ENGINEERING**

SAHRDAYA

College of Engineering and Technology, Thrissur

Co - Sponsored By:

NAGAMADOM AYURVEDICS

About the College

Sahrdaya College of engineering is an institution of higher learning that offers both UG and PG programmes. The college is affiliated to Kerala technological university and is approved by AICTE, New Delhi and by government of Kerala.

Sahrdaya College of engineering and technology was established in 2002 with an aim to impart a career focused professional training and engineers with moral and ethical values. The institution provides exemplary learning environment that encourages excellence and innovation situated amidst serene green ambience, Sahrdaya celebrates the radiance of pristine nature. The students from the college have proved themselves at several national and international competitions and got placed in reputed companies worldwide. Thus Sahrdaya incentives the holistic development of its students.

About the Department

Our department is the centre of excellence in the field of Biotechnology. The department of biotechnology engineers offers B.Tech in Biotechnology Engineering and M.Tech in Industrial Biotechnology. The courses aim at imparting quality education to students to deliver biotechnological solutions for several health and environment related issues pertaining to mankind and take up career challenges in this field as well. The students are trained to thrive in biotechnology industry and allied fields. Equal importance is given to both theoretical and practical outcome based learning.

The department is equipped with high calibre faculty members who maintain interactive rapport with students. Frequent workshops and seminars are conducted with the students about latest technologies in the field. The faculty also undertake rigorous faculty development programmes to equip and deliver the latest developments in the area. The department has been constantly receiving funded projects from government and non-government organization. Our students have taken part and won many prizes in various State, National and International level conferences and project competitions.

About the Programme

Detection and accurate identification of harmful pathogens in plants as well as animals is very essential to improve the strategies for controlling and curing diseases. The early detection and identification of pathogens provides the basis for understanding their biology and appropriate strategies to diagnose and control the disease as well. Of late molecular tools have given several promising leads in the detection of several infection in plants as well as animals. It is a recent revolutionary progress which uses a collection of techniques to analyze biological markers in the genome and proteome these test are useful in case of infectious disease ,oncology, human leucocyte antigen typing. Molecular diagnostics use techniques like genomic hybridization and microarray which provide more efficient ways of detection than conventional methods like analyzing the number and appearance of chromosomes for diseases like downs syndrome. In the case of infectious disease and where the number of microorganisms are very few the use of PCRs for molecular diagnostics saves time than by conventional microbiology techniques. Molecular diagnostic detect specific sequence in DNA or RNA that may or may not be associated with diseases, including single nucleotide polymorphism (SNP). An insight to these techniques has been leading the younger generation to develop several new strategies to develop improved diagnostic tools.

Eligibility

Under Graduates , Post Graduates and Research Scholars are eligible to participate.

Registration Fees

UG Students	: Rs 200/-
PG Students / Research Scholars	: Rs 300/-
Faculty Members	: Rs 400/-
Industry Personnel	: Rs 500/-

Important Dates

Last Date of Submission of
registration forms : 5th March 2018

Accomodation

Accomodation if necessary can be provided at college hostel on payment basis.

Conatct Persons

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