

SREE BUDDHA COLLEGE OF ENGINEERING, PATTOOR, ALAPPUZHA (AUTONOMOUS)



**Event Date : 12th and 15th July,
2024**

Place:

Sree Buddha College of Engineering
(Autonomous), Pattoor P.O.
Alappuzha dist, Kerala

**FOR STUDENTS OF 10th TO 12th
STANDARD**



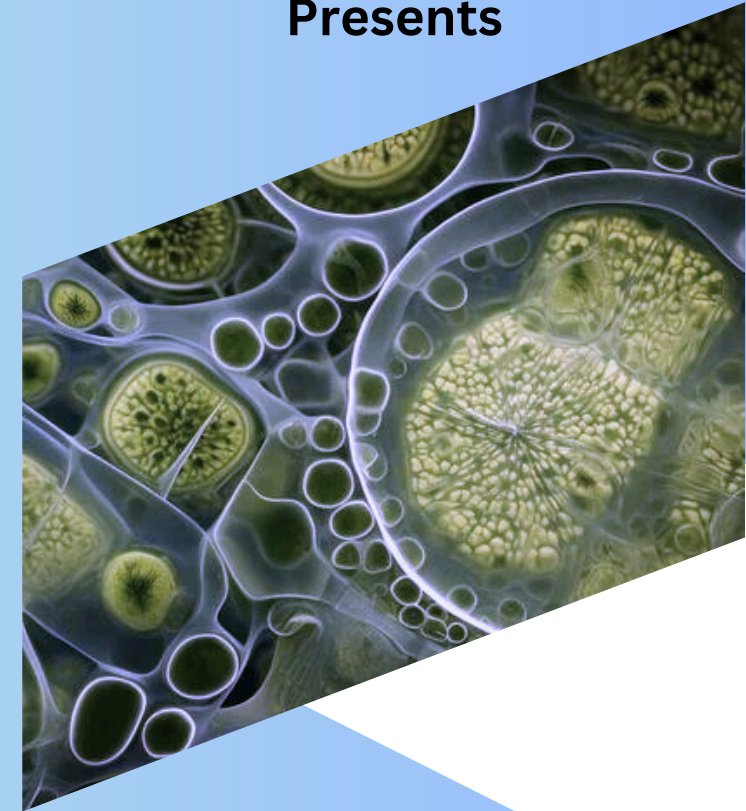
**Sponsored by
Biotech Research
Society of India
(BRSI)**

Registration Link :

<https://forms.gle/5mHZ1JA5EH8NnoYb6>

BRSI certificates will be provided

**Department of Biotechnology
and Biochemical Engineering
Presents**



**Biotechnology
Popularization and Skill
Development Program
for School Children**

No Registration Fee

ABOUT THE PROGRAMME

Biotechnology Popularization and Skill Development Program for school children, the initiative is to introduce young minds to the fascinating world of biotechnology, fostering their interest and understanding of this vital field. Through interactive workshops, demonstrations, and hands-on activities, we aspire to ignite their curiosity and inspire the next generation of biotechnologists. The Biotech Research Society of India [BRSI] is to promote the R&D in biotechnology, bring interaction between the academic institutes and biotech industries, interact with the industries and help them in resolving their problems as well make them aware with the new developments in the biotech sector.

ABOUT THE INSTITUTION

Sree Buddha College of Engineering, established in 2002 by the Sree Buddha Educational Society, a charitable organization promoted by the Sree Buddha foundation, is an AICTE approved institution affiliated to APJ Abdul Kalam Technological University. The institute offers UG and PG programmes in Biotechnology & Biochemical Engineering, Food Technology, Civil, Mechanical, Electrical and Electronics, Electronics and Communication, Computer Science and Engineering, and Artificial Intelligence and Machine Learning. Besides receiving several honours, the college is also reaccredited by the National Assessment and Accreditation Council (NAAC) with B+ recognized under Section 2(f) of the UGC Act and 4 departments accredited with NBA.

Situated in the rural area of Pattoor, Alappuzha district of Kerala, the college aims to provide quality engineering education to aspiring candidates from similar backgrounds

ABOUT THE DEPARTMENT

The Department of BT & BCE Started in 2002 established an unparalleled reputation in teaching and research. The department has accredited by National Board of Accreditation (NBA). We are offering 4-year B.Tech (Biotechnology & Biochemical Engineering), 2-year M.Tech (BT & BCE) courses and PhD in Biotechnology and allied fields. The highly competent and experienced faculty members, with PhDs have inspired excellence, innovation and strong entrepreneurial skills.

The key areas of research & development activities of the department focus on biosensors and nano-biotechnology, molecular diagnostics, genetic engineering, biochemical engineering, bioprocessing and biofuel technology. The graduates show peer-recognized expertise, sustained learning and adapting to an ever-changing domain of professional development and entrepreneurship.



PROGRAM COMMITTEE

Dr. Malu Ravi

Dr. Shilpa Lekshmi L

Dr. Tamilmani Jayabalan

Dr. Bindhya K P

Ms. Rincy Susan Raju

Ms. Chinchu Elezebeth

Ms. Athulya Krishnan

Ms. Gopika Ajit

PROGRAM SCHEDULE

12th July 2024

9.30-10.30 am	Lecture 1 : Introduction to Biotechnology
10.30-10.45 am	Tea break
10.45-12.45 am	Lecture 2 : Common Techniques used in various Scientific and industrial fields, including Chemistry, Biochemistry, and Engineering
12.45 -1.30 pm	Lunch break
1.30- 4.30 pm	Hands-on experience with basic laboratory equipment, Microbial Culture Techniques, Hands-on experience with Techniques such as Extraction, Filtration etc.

15th July 2024

9.30-10.30 am	Lecture 3 : DNA Extraction
10.30-10.45 am	Tea break
10.45-12.45 am	Hands-on extraction of DNA from plant or animal cells, Gel Electrophoresis, Principles and techniques of separating DNA fragments, DNA Visualization, Staining and Visualizing DNA bands on gels
12.45 -1.30 pm	Lunch break
1.30- 4.30 pm	Practical Exposure on Environmental Biotechnology, Assessment and Evaluation





FOR FURTHER DETAILS

Sree Buddha College of Engineering,
Pattoor P.O. Alappuzha dist., Kerala

Phone number:

Prof. Meera Bai S : 9446589673

Dr. Shamnamol G K: 9544016387

website : www.sbce.ac.in

INSTRUCTIONS

- A maximum of 2 students can be selected from one school.
- This is a two day program comprising of lectures from eminent experts in various domains of biotechnology, hands on workshop and lab visits.
- Tea, snacks and lunch will be provided.

PARTICIPANTS

The target participants are meritorious schoolchildren from 10th to 12th grade, and registration is purely on a first-come, first-served basis.

CONVENOR

Prof. Meera Bai S

Head of the Department

Dr. Shamnamol G K

Associate Professor

Dr. Archana Rajendran,

Assistant Professor

Department of Biotechnology and Biochemical Engineering,
Sree Buddha College of Engineering, Pattoor, Alappuzha
Kerala, India.

Last date of registration 9th July 2024