

NEWSLETTER:



VISION OF THE INSTITUTION

To make the institution one of our nations great engineering schools recognized nationally and internationally for excellence in teaching, research and public service. We seek to be the preferred destination for students, practitioners seeking an engineering education, employers hiring engineering graduates and organizations seeking engineering knowledge.

MISSION OF THE INSTITUTION

To provide an encouraging environment to develop the intellectual capacity, critical thinking, creativity and problem-solving ability of the students.

VISION OF THE DEPARTMENT

To cultivate scientific and technical manpower in Biotechnology to solve various problems and challenges faced by industry and academia for the betterment of society.

MISSION OF THE DEPARTMENT

- Provide an academic environment that emphasizes critical thinking.
- Equip students with knowledge and practical skills required for the industry and academia
- Constitute Institute-Industry relationship via implant training programs and projects and establish a centre of excellence (COE) in the frontier areas of biotechnology



PROGRAMME OUTCOMES:

Engineering Graduates will be able to:

PO1	a	Engineering knowledge: Apply the knowledge of mathematics, science, engineering, fundamentals, and an engineering specialization to the solution of complex engineering problems.
PO2	b	Problem analysis: Identify, formulate, review research literature ,and analyze complex engineering problems reaching substantiated conclusions using first principles of mathematics, natural sciences, and engineering sciences.
PO3	c	Design/development of solutions: Design solutions for complex engineering problems and design system components or processes that meet the specified needs with appropriate consideration for the public health and safety, and the cultural, societal, and environmental considerations.
PO4	d	Conduct investigations of complex problems: Use research-based knowledge and research methods including design of experiments, analysis and interpretation of data, and synthesis of the information to provide valid conclusions.
PO5	e	Modern tool usage: Create, select, and apply appropriate techniques, resources, and modern engineering and IT tools including prediction and modelling to complex engineering activities with an Understanding of the limitations.
PO6	f	The engineer and society: Apply reasoning informed by the contextual knowledge to assess societal, health, safety, legal and cultural issues and the consequent responsibilities relevant to the professional engineering practice.
PO7	g	Environment and sustainability: Understand the impact of the professional engineering solutions in societal and environmental contexts, and demonstrate the knowledge of, and need for sustainable development.
PO8	h	Ethics: Apply ethical principles and commit to professional ethics and responsibilities and norms of the engineering practice.
PO9	i	Individual and teamwork: Function effectively as an individual, and as a member or leader in diverse teams, and in multidisciplinary settings.
PO10	j	Communication: Communicate effectively on complex engineering activities with the engineering Community and with society at large, such as, being able to comprehend and write effective reports and design documentation, make effective presentations, and give and receive clear instructions.
PO11	k	Project management and finance: Demonstrate knowledge and understanding of the engineering and management principles and apply these to one's own work, as a member and leader in a team, to manage projects and in multidisciplinary environments.
PO12	l	Life-long learning: Recognize the need for, and have the preparation and ability to engage in independent and life-long learning in the broadest context of technological change.

PROGRAM SPECIFIC OBJECTIVES (PSOs):

PSO1	Knowledge and hands on training to solve engineering and scientific problems.
PSO2	Ability to work in interdisciplinary areas of science and technology towards industrial and academic research applications.
PSO3	Infer the potentials and impact of biotechnological innovations for finding sustainable ethical solutions to issues pertaining to health, environment and agriculture



DEPARTMENT PROFILE LABORATORY DETAILS:

The Department of Biotechnology was established in the year 2016. The department has well qualified and supportive faculty members and a strong focus on quality teaching for the students at all levels. The department has well equipped lab facility with sophisticated instruments such as Gel Documentation, PCR, UV-VIS spectrophotometer, Ultra-sonicator. The department has highly qualified and well experienced faculty with Doctorate degree in the field of Biotechnology and they are actively engaged in research and constantly publish

papers in International and National Journals. The Department regularly conducts International Conferences and other programs for the benefit of both teaching and student community.

EVENTS:

- On 04.01.2022 Dr. MD. Mamun Bin IbneReaz, Professor, The National University of Malaysia, Malaysia took webinar on how to write research journal. First he started by telling how important research is in the field of biotechnology. He gave many useful tips to write and frame appropriate research journal. He taught how and where keywords should be used. He also listed what all must be the contents present in abstract, acknowledgements, introduction, main body and conclusion. This session was very useful.



- On 02.02.2022 Mr. Vikram Varma, HR Talent Acquisition Partner at Avantor came to lecture about Biotechnology Career Enhancement Programme. The event starts with the welcome address by the principal and introduction about the guest. The speaker starts his speech with the introduction of importance of choosing appropriate carrier to become successful. He listed various useful tips and strategies excel in the field by building our profile. The session was very interesting and useful. The session ended with the vote of thanks by the president.



- On 16.03.2022 Mr Ashok Wilson Dsouza, Senior Business Intelligence Analyst, Atlantic Data Bureau Services Pvt. Ltd Mangalore lectured about python programming. The session starts with the Greeting of bouquet by the principal has started with a welcome gathering by the staff members of bio technology department. 90% of the students attended the Guest lecture.

The speaker has started his speech with interactive by asking questions to students and then he started his speech by telling why and how programming is important for biotechnologist. It created awareness among students that coding skills are very much essential for successful carrier. He made students understand the basics of python language and gave them many lecture notes on the same. The session ended with the vote of thanks by the HOD of the department of bio technology followed by National anthem.



FACULTY PROFILE:

Dr. Shilpa Joy	M. Tech & PhD	Professor
Dr. J. Bindhu	M. Tech & PhD	Associate Professor
Dr. R.Arthe	MS(by research) & PhD	Assistant Professor
Mrs. S. Lakshmi Prabha	M. Tech	Assistant Professor
Mr. S. Vishnu	M. Tech	Assistant Professor
Mrs. T. Chitra Devi	M. Tech	Assistant Professor
Mr. M. A. K. Kalirajan	M. Tech	Assistant Professor
Mr. S. Gabriel	M. Tech	Assistant Professor
Ms. Divya Nair	M. Tech	Assistant Professor
Ms. D. Anitha Shree	M. Tech	Assistant Professor
Mrs.G.Srisugumathi	M. Tech	Assistant Professor
Ms. Sri Thatchayani	M. Tech	Assistant Professor
Ms. Broony Maria Tency	M. Tech	Assistant Professor
Dr. S. Vignesh Raj	M. Tech & PhD	Associate Professor
Dr.Peerzada Jeelani	M. Tech&PhD	Assistant Professor
Mrs.J.Srimathi devi	M. Tech&PhD	Assistant Professor
Ms.K.Geethanjali	M.Tech	Assistant Professor

STUDENT PARTICIPATION:

S.no	Date	Name of Student	Name of the Event	Place	Topic
1.	07.03.2022 TO 21.03.2022	SATHIS.K	INTERNSHIP	INTERNSHIP TRAINING	AAVIN SALEM DAIRY INDUSTRY
2.	07.03.2022 TO 21.03.2022	KAVIYA.T.S	INTERNSHIP	INTERNSHIP TRAINING	AAVIN SALEM DAIRY INDUSTRY
3.	07.03.2022 TO 21.03.2022	JANANI.B	INTERNSHIP	INTERNSHIP TRAINING	AAVIN SALEM DAIRY INDUSTRY
4.	07.03.2022 TO 21.03.2022	DEVIKA SUGUTHAN	INTERNSHIP	INTERNSHIP TRAINING	IVORY GULL CANDY COMPANY
5.	07.03.2022 TO 21.03.2022	LIZMIYA.U	INTERNSHIP	INTERNSHIP TRAINING	IVORY GULL CANDY COMPANY
6.	07.03.2022 TO 21.03.2022	NIKITHA SARA RAJU	INTERNSHIP	INTERNSHIP TRAINING	IVORY GULL CANDY COMPANY
7.	07.03.2022 TO 21.03.2022	DEVADHARSH INLS	INTERNSHIP	INTERNSHIP TRAINING	VJ BIOTECH
8.	07.03.2022 TO 21.03.2022	SAMRITHI.V	INTERNSHIP	INTERNSHIP TRAINING	VJ BIOTECH
9.	07.03.2022 TO 21.03.2022	THAMARAI SELVI.V	INTERNSHIP	INTERNSHIP TRAINING	VJ BIOTECH
10.	07.03.2022 TO 21.03.2022	HARISHVAR.S	INTERNSHIP	INTERNSHIP TRAINING	VJ BIOTECH
11.	07.03.2022 TO 21.03.2022	MOHAMMED SHANAWAZ.M Y	INTERNSHIP	INTERNSHIP TRAINING	VJ BIOTECH

SPORTS ACHIEVEMENT:

1. Hockey:

SI No	Name of the Games	Name of the trophy	Date	Achievement's
01	Anna University Men Hockey Team	South Zone Inter University Men Hockey Tournament-2021, Held at Bangalore University - Karnataka	26.12.2021 to 30.12.2021	Participation
02	Kanmanipachagoundan – I-Bio tech - Anna University Women Hockey Team	South Zone Inter University Women Hockey Tournament-2021, Held at Mangalore University - Karnataka	27.12.2021 to 31.12.2021	Participation

2. Cricket:

SI No	Name of the Games	Name of the trophy	Date	Achievement's
01	Inter District cricket Tournament	CIT Inter District Alumni Tournament – held at CIT	21.04.2022 to 22.04.2022	Winner
02	Inter District cricket Tournament	KGISL Coimbatore District Tournament	29.05.2022 to 30.05.2022	Winner

ALUMINI MEETING:

- ❖ On 21.04.2022, Jenovindonald. J from Biocon, Bangalore has facilitates the students. The meeting was arranged by the head of the Biotechnology

department. The students of Biotechnology 1st year, 2nd year and 3rd year were participated in the event. The speaker started his speech with the happy face and he started his speech Online lecture of opportunities in biotechnology, There are many career opportunities available in Research and Development, Pharmaceutical Companies, Hospitals, Diagnostic Centers Manufacturing Sector of Biotechnology, Academic Sector for students who want to make a career in Medical Biotechnology. Some of the Job Profiles for Graduates in Medical Biotechnology are Clinical Laboratory Technician, Biological Supplier Manufacturing, Environmental Technician, Food Safety Mechanism, Pharmaceutical Research Technician and he told many things about the job opportunity and working field which made the students interest and they asked many questions related to the job opportunity in biotechnology which made session interactive and The session ended with the great quotes by staff members of the department of bio technology. The session was very interactive and useful for the students to learn about the opportunities in Biotechnology field.

