

Introduction

India is a hotspot for Biotech Industry. It is estimated that Biotech sector in India is estimated to grow by 30.46 percent CAGR by 2025 and, India is among the top 12 biotech destinations in the world and ranks third in the Asia-Pacific region. The biotechnology industry holds the potential to revolutionize the Indian economy itself and drive the country's growth agenda for decades to come. However, the sector is still at a nascent stage compared to the developed biotechnology economies. The growth and development of the sector rests on taking steps to address the challenges in the current system. This will require generation of need-based competent academic manpower as well as expert in the field of biotechnology, who would be able to undertake basic and strategic biotechnological research to achieve a robust, and reliant growth in Indian economy.

ASPEE SHAKILAM Biotechnology Institute was established in April 2012 with the financial aid of Department of Agriculture and Co-operation, Government of Gujarat at Surat to make provisions for imparting education, conducting research and providing extension services in Biotechnology. There are 3 divisions (Plant Biotechnology, Microbial and Environmental Biotechnology and Animal Biotechnology) and 1 section (Bioinformatics). This institute offers courses focusing on the inter relationships between plant, animals, microbes and environments; thereby provide multiple pathways to the academic, professional, and entrepreneurship.

Stepping-stones of ASPEE SHAKILAM Biotechnology Institute

- ASPEE SHAKILAM Biotechnology Institute was set up the first Agricultural Biotechnology College in the State established in April-2012 with the financial aid of Department of Agriculture and Co-operation, Government of Gujarat with a vision to impart agricultural Biotechnology education.
- The well-known industrialist of India, Shri Sharad Lallubhai Patel, Managing Director, ASPEE, Mumbai generously donated an amount of Rs. 5 Crores. for the infrastructure development of the Institute. Also, SHAKILAM foundation awards 4 scholarship to newly admitted students for four years, B. Sc. (Agril. Biotechnology)/B. Tech. (Biotechnology) degree course of ASPEE SHAKILAM Biotechnology Institute, NAU, Surat. Thus, the Institute was named as ASPEE SHAKILAM Biotechnology Institute.
- The course curriculum was also modified and implemented as per the guidelines of 5th Deans committee of ICAR with effect from the academic year 2017-18 and renamed Bachelor degree as B. Tech. (Biotechnology).

Objective:

1. To provide graduate level quality education in Agricultural Biotechnology for creating experts / scientists in Plant Tissue Culture and Genetic Transformation, Molecular Biology, Microbiology, Immunology and other contemporary areas allied to Agricultural Biotechnology.
2. Fostering research in biotechnology.
3. Undertaking field and extension programmes.
4. To create skilled Women resources in the field of Plant Tissue Culture.
5. To carryout research to generate technology and provide technical advice to farmers and entrepreneurs.