



ABOUT THE DEPARTMENT

The Department of Biotechnology, approved by All India Council For Technical Education (AICTE), MHRD, Govt. of India, affiliated to AKTU, Lucknow and accredited by the NBA, New Delhi was established in year 2001. Department offers bachelors program with an initial intake of 60 and master program in biotechnology. Well-equipped labs and the infrastructure are regularly upgraded not only to serve the purpose of the curriculum described but also to facilitate the carrying out of innovative projects to challenge the fast- changing needs of the society besides undertaking R&D activities. A good collection of more than 8500 books and 350 journals in the institute Library covering all the areas of specialization helped to enhance and harness the potential of the students. The biotechnology department has always been known for creating an ambiance where scholarship flourishes. Faculty member of our department are not only engaged in trending technology research but are also very passionate about the teaching and learning process.

VISION AND MISSION

VISION-

To become a prime influencer in the field of Biotechnology and provide a vibrant learning environment to the students that will have a transformative impact on the society in terms of academics, research, and entrepreneurship.

MISSION-

M1:- To create educational experience targeted on a deep understanding of interdisciplinary sciences & engineering with the focus on development of industry aligned skills.

M2:- To expertise in research, innovation and entrepreneurship supporting the overall growth of the biotechnology academia and industry.

M3:- To inculcate leadership qualities in students to handle competitive edge, social & ethical challenges for a better world.

DEPARTMENT INITIATIVE

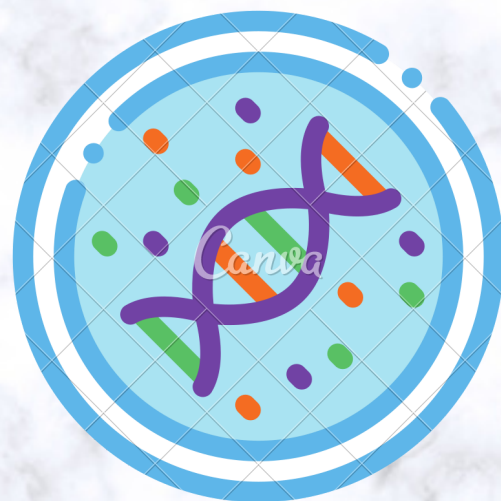
*** The Department is starting a new diploma course in clinical embryology for the effective career of the students.**

DEPARTMENT ACHIEVEMENTS

1- The department has got several research publications during the odd semester of session 2022-2023 and many are still in review phase.

2- Two new faculties intake for smooth run of the department.

3- 50% of students got placed in various MNC's across India and many more companies are still visiting for the placement drive.

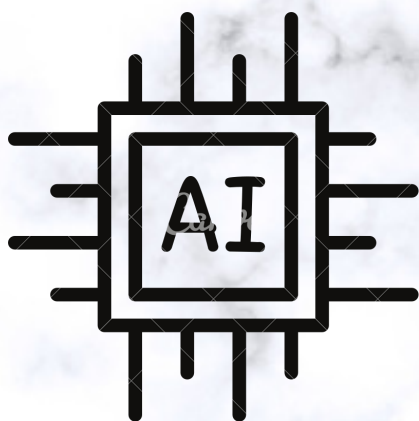
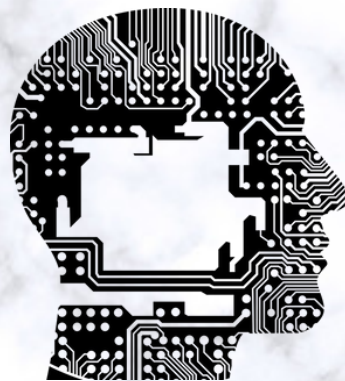


GUEST TALK

Program/Activity Name: Online session on “Applications of AI and Machine Learning in Bioinformatics and Biotechnology”

Theme: “Applications of AI and Machine Learning in Bioinformatics and Biotechnology”

The Department of Biotechnology in Association with NIET-IIC organized an Online Session entitled “Applications of AI and Machine Learning in Bioinformatics and Biotechnology” on 29th July 2022. The session was delivered by Dr. Uma Kumari, Founder and Senior Bioinformatics Scientist in Bioinformatics Project and Research Institute and Assistant Professor of Biotech and Bioinformatics Department at Ranchi University. The guest talk went from discussing about the job prospects of Bioinformatics and Biotechnology; the need of job roles in market and industries- Software Developer, Data Analyst, Bioinformatician, Professors, etc. The guest talk was more aligned towards AI-ML and Data Science applications in Biotechnology. The talk was highly motivated and provided very informative knowledge to the students for the upcoming scenario of computational biology.



GUEST TALK

Program/Activity Name: Offline session on “Journey from Mechanical Engineer to a Young Social Entrepreneur”

Theme: “Journey from Mechanical Engineer to a Young Social Entrepreneur”

The Department of Biotechnology organized an Offline Session entitled “Journey from Mechanical Engineer to a Young Social Entrepreneur” on 23rd August 2022. The session was delivered by Mr. Ankit Tripathi, Co-founder UNEAKO. UNEAKO is an amalgamation of “UNIQUE” & “ECO” which means providing eco-friendly and sustainable products in never seen before avatar. The session was started by pinning on the point of observation on our daily life. He told about his journey how he become an entrepreneur by observing the mountain of garbage and taken an initiative of making “Kabad se Jugad”. He told about the products that they create which are eco-friendly in nature and are utilized by peoples in their daily life. The guest talk was highly motivating to the students and enables students to emphasize more towards their observations and utilize waste materials to produce some value-added products at commercial level.



GUEST TALK

Program/Activity Name: Talk on “Waste to wealth: A green and sustainable roadmap for conversion of solid waste to value added products and their applications”

Theme: Waste Management

The Department of Biotechnology, NIET in association with IIC organized a guest talk of Prof. Nanda Gopal Sahoo, FRSC, Professor, Kumaun University, Nainital, Uttarakhand on 10th November 2022. This guest talk let students know about the different strategies for the conversion of harmful waste materials into valuable added products. He elaborated the hazardous effect of different types of wastes such as plastic, graphene etc. on the environment. He particularly focusses on graphene as the inhalation of graphene oxide interrupts anxiety-related neuron signals without affecting the neurons or the surrounding cells. Students got to learn graphene into nanoparticles that can help in waste management. The talk was highly motivating and interesting for the students.



INDUSTRIAL VISIT

Program/Activity Name: Industrial visit at Moon Beverage Ltd. Ecotech III, Greater Noida, Uttar Pradesh

Theme: Coca-Cola manufacturing unit

The Students of second year visited Coca-Cola Happiness factory (Moon Beverage Ltd.), Greater Noida on 15th September 2022. Total 49 students, departed from college at 1:50 pm and returned at 5:00 pm. All the students were in formal attire, behaved well, and were appreciated by the industry staffs. During the visit, the company showed a small video on Coca-Cola, which included the history and present status of the brand. After the completion of the video, the students were taken to the factory unit for the better explanation of the production of different kinds of drinks such as coca-cola, sprite, limca, maaza etc. Finally, they elucidated their collaboration with other companies and the different types of bottles used to sell the drink. Overall, the students had an excellent exposure and were highly motivated to plan their careers in the industry.



Visit



INDUSTRIAL VISIT

Program/Activity Name: Industrial visit at MOON Beverages, Coca-Cola.

Theme: Food Beverages

On 21st September 2022, Department of Biotechnology of Noida Institute of Engineering and Technology, organized a one-day Industrial Visit to The Coca-Cola Company- Moon Beverages Ltd., Greater Noida for third year Biotechnology Students. The visit was started with basic introduction, followed by history and factual details, an overview of production unit and then moving into the main production plant. Along with the production unit, Moon Beverages Ltd. also houses an in-house Museum or Heritage Section in which the history of the Coca-Cola Company is foreseen- the posters, graffiti, banners and even the history of production of famous Coke Glass Bottles is depicted. In the end, the Fun-Zone was the place where the students seen the very famous Coke Studio's depiction, graffiti, gaming section, bottles representation, etc and followed by free drinks from the company was cherry on top.

Summarizing the day, this infotainment journey went fruitful and was perfect example of “Edutainment”, i.e., education with entertainment.

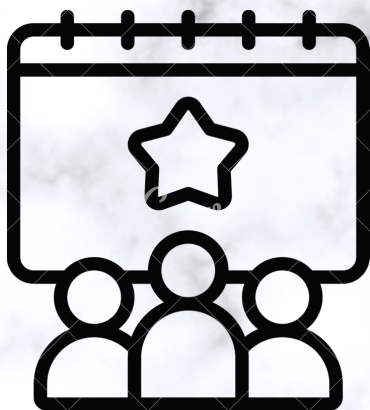


Technical and Non-Technical Event

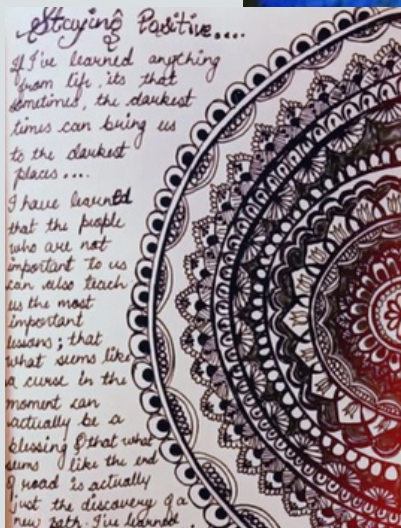
Program/Activity Name: BIOVENT

Theme: Social and Scientific

The Department of Biotechnology, NIET organized “BIOVENT” on 8th October 2022. The event consisted of various technical and non-technical events such as card-making, rangoli competition, fireless cooking, and quiz competition. The department faculties are accompanied by other department faculties as the judges for the different events. The event took place on the 4th floor in the Department of Biotechnology. Students from different branches such as B.Tech (CSE, ECE, Biotech, AIML, etc.) and B. Pharma participated in the events with full enthusiasm and joy. The event began with card-making followed by fireless cooking and Rangoli making. Students used hues and flowers to make the department look pleasing. The last event was a quiz competition which was based on the current affairs, scientific, social, political, sports and cultural aspects. Contestants skillfully answered the questions. Students showcased their talents in all the respective domains and won prizes.



BEYOND CLASSROOM



EDITORIAL BOARD MEMBERS



Mr. Ramish Maqsood
Chief Editor



Aradhya Singh
Student Coordinator



Km. Pallavi Srivastava
Student Coordinator



Priyanshi Tiwari
Student Coordinator



Devansh Bhatnagar
Student Coordinator