



E-NEWSLETTER

Department of Biotechnology

ABOUT NIET

Noida Institute of Engineering & Technology (NIET), Greater Noida was established in the year 2001. It is the first Autonomous Institute of AKTU. Greater Noida is a hub of global MNCs. The eminent visionaries of City Educational & Social Welfare Society, Meerut, started NIET with a vision to provide value based higher education. NIET has been awarded 43rd Rank in Pharmacy & 171 Rank in Engineering in National Institutional Ranking Framework (NIRF) in 2021 as awarded by Ministry of HRD, Government of India. Institute is accredited by NAAC with CGPA of 3.23 on four-point scale at 'A' Grade and NBA for (BT, CSE, ECE, ME, IT, and B. Pharm). NIET was awarded by PTC as its 1st Centre of Excellence institute in India in 2018 to have established labs on industry 4.0. NIET has added another feather to its cap in the year 2020 with "Best PTC COE in India" award. NIET has been associated with PTC University since 2015 and has well modernized Smart Manufacturing Labs, Automation Lab, Product Design & Development Lab, Validation Lab, Reverse Engineering Lab, Rapid prototyping Lab, Robotics Lab, IOT Lab, Virtual Reality Lab and Augmented Reality Lab. The institute covers an area of 13.9 acres with lush green ambience. The Institute excels in all the parameters earmarked by AKTU, Lucknow (U.P.), AICTE and MHRD, Govt. of India, New Delhi. NIET Gr. Noida recognized in the band of "EXCELLENT" under the category Colleges/Institutes (Private)/self-financed (Technical) in ARIIA 2021. NIET is also awarded with DIAMOND subject rating in Engineering 2021 by QS IGAUGE.



ABOUT THE DEPARTMENT

The Department of Biotechnology was established in the year 2012, approved by All India Council For Technical Education (AICTE), MHRD, Govt. of India. The department is NBA accredited and has well qualified teachers with a broad research experience. The department offers bachelor and master's degree in biotechnology. The department has well-equipped labs and infrastructure which are regularly upgraded for carrying out innovative projects and R&D activities. The students are enthusiastic and highly motivated. The Department of Biotechnology has always been known for creating an ambience where scholars flourishes. Faculty members of the department are not only engaged in trending technology research but are also 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 trans-formative 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.

STUDENTS CORNER

Academics (2020-2021) Toppers

1st Year Topper

Aviral Singh

2nd Year Topper

Shristi Aggarwal

3rd Year Topper

Ravneet Kaur

4th Year Topper

Shivansh Verma

DEPARTMENT ACHIEVEMENTS

1- The department received maximum cash prize of Rs. 2,49,000 among the other departments for the Research Publications.

2-Three new faculty intake with specialization in emergent technologies.

3- Dr. Pratibha Pandey Assistant Professor of Department of Biotechnology received star performer of the year (Research) award from NIET.

4- The department has got 40 research publications in high indexed SCI/SCOPUS Journals of Biotechnology/Life sciences.

5- 85% students of batch 2017-2021 got placed in top MNC's across India.

NEW FACULTY INTAKE



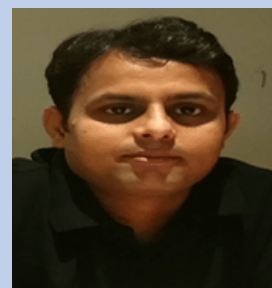
Dr. Harmanpreet Meehnian
Assistant Professor
Bioinformatics

Dr. Raman Rao
Assistant Professor
Bioprocess Engineering



Mr. Ramish Maqsood
Assistant Professor
Bioprocess and Enzyme Engineering

Mr. Satya Prakash
Assistant Professor
Molecular biology



SPORTS EVENTS

AKTU Zonal Sports Fest

Students of the Department of Biotechnology, NIET participated in AKTU Zonal sports 2021-2022 held in ITS Engineering college, Greater Noida. It was a two days event (22nd - 23rd November) which includes different sports competition such as basketball, badminton, volleyball, chess, table-tennis, kho-kho, football and athletics. Twelve students (Anushka Vashishtha, Simran Singh, Nishi Mathur, Akanksha Karpathak, Mansi Singh, Abhishek Mishra, Meghna Soni, Shalini Singh, Megha Singh, Mansi Singh, Shivangi Maurya, Priyanka Rajput) from Department of Biotechnology participated in the competition, out of which four students won the prize.

Athletics – Shivangi Maurya (3rd Year) & Simran Singh (2nd Year) Won GOLD Medal

Volleyball – Nishi Mathur & Akanksha Kar Pathak students of (2nd Year) Won SILVER Medal



COURSERA COURSES

Coursera is an online learning platform with thousands of courses, including professional certificate programs and bachelor's and master's degree programs. NIET ties up with coursera to deliver online learning and works in curating professional pathways with a set of courses targeting in-demand professions and job opportunities. Faculty members and students of Department of Biotechnology are enrolled with the following courses:

- Introduction to Artificial Intelligence (AI) by IBM
- Fundamentals of Immunology: T cells and signalling by RICE University
- Genomics: Decoding the universal language of life by University of Illinois
- Introduction to Genetics and Evolution by Duke University
- Bioinformatics Methods 1 by University of Toronto
- Programming for Everybody (Getting Started with Python) by University of Michigan
- Human Centered Design for Inclusive Innovation by University of Toronto
- Genes and Human Condition (From Behaviours to biotechnology) by University of MARYLAND



FOUNDER'S DAY

NIET organised founders' day on 1st November 2021 which was graced by the presence of our Managing Director and Founder of NIET, Dr. O.P. Agarwal, Executive Vice President, Mr. Raman Batra & Director NIET, Dr. Vinod M Kapse. Faculty members of the Department of Biotechnology got felicitated by Dr. O.P. Agarwal and Mr. Raman Batra for their research publications. Dr. Pankaj Kumar Tyagi, Dr. Rashmi Mishra, Dr. Arvind Kumar, Ms. Meenu Agarwal, Dr. Pratibha Pandey, Dr. Fahad Khan and Ms. Shweta Sharma received cash prizes for their valuable research contribution.



CHILDREN'S DAY CELEBRATION

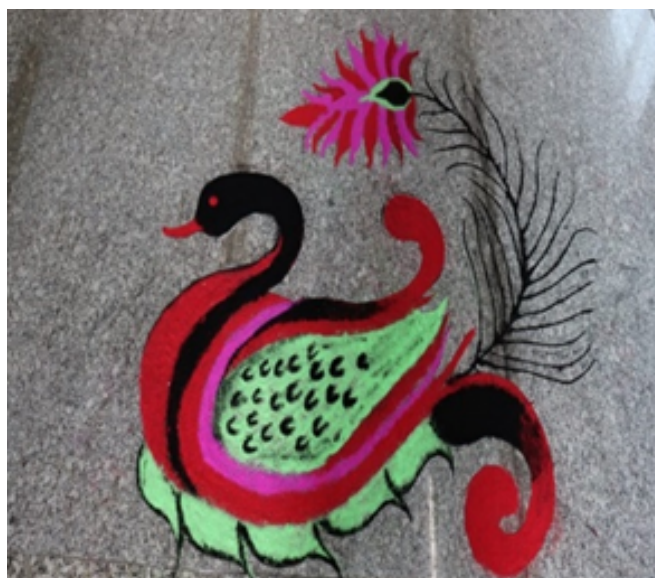
On 13th November 2021, the faculties of Department of Biotechnology visited Prathmik Vidyalaya, Neemka village, Greater Noida to celebrate Children's Day with the students. To highlight the importance of the day an informative speech was delivered by the teachers on that auspicious occasion. Different sports activities were organized, and students got felicitated by the faculty members through certificates and medals. Gifts and chocolates were distributed to the students.

BIOVENT

The Department of Biotechnology organized a cultural event 'BIOVENT' on 11th December, 2021. Active participation of the students were seen. The event was coordinated by the students of second year and Mr. Ramish Maqsood, DSW Co-ordinator. All the faculty members praise students for their efforts and lovely performances

Rangoli Making

Rangoli is an art form originating in the Indian subcontinent, in which patterns are created on the floor or a tabletop using materials such as powdered lime stone, red ochre, dry rice flour, and coloured rocks. The rangoli's most important element is being colourful. The students put their best foot forward and took part in the competition with zest. Innovation and creation are the words that best describes their efforts. The students participated were Harshita Dubey, Harshita Yadav, Aditi Verma, Pari Sikarwar and Lakshya Chauhan of second year



Singing

Singing is the act of producing musical sounds with the voice and augments regular speech using both tonality and rhythm. Students of biotechnology department came up with their melodious voices which in the run attracted the audience as such. All the young maestros who took part in the competition made the competition a great success. The students participated were Nandini Dwivedi, Prachi Tonger, Vaibhav, Md. Fedaul Mustafa, Aviral Singh, Aditya Vikram and Hariom Kumar of second year



Dance

Dance, the movement of the body in a rhythmic way, usually to music and within a given space, for the purpose of expressing an idea or emotion, releasing energy, or simply taking delight in the movement itself. The biotech students set the floor on fire with their energetic performance. The students participated were Tanya Srivastava, Prachi Tonger, Hariom and Vaibhav of second year

Poetry

Poetry is a form of literature that uses aesthetic and often rhythmic qualities of language – such as phonaesthetics, sound symbolism, and metre – to evoke meanings in addition to, or in place of, a prosaic ostensible meaning. The biotech students share their thoughts through their poetry by talking about the importance of education in life. The students participated were Anjali Awasthi, Aviral Singh and Shivam Chauhan of second year



FAREWELL TO FINAL YEAR STUDENTS

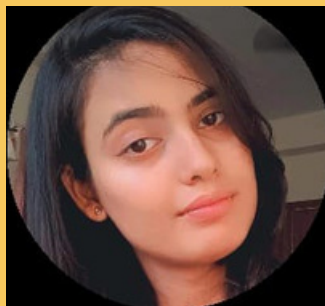
The Department of Biotechnology, NIET organized a Farewell Party on 11th December 2021 for the B.Tech 4th Year students of the batch 2016-21. Many activities such as dance, singing, poetry and drama were organized for the students to commemorate the college days. Faculty members wished students for their brighter future with great opportunities.



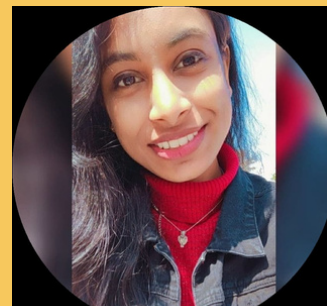
EDITORIAL TEAM



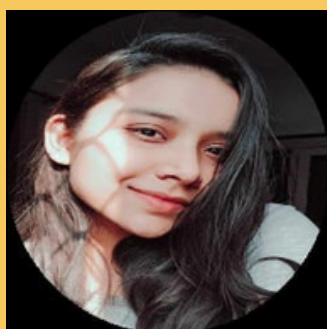
Mr. Ramish Maqsood
Chief Editor



Simran Singh
2nd Year Student Co-ordinator



Shalini Singh
2nd Year Student Co-ordinator



Samiksha Saxena
2nd Year Student Co-ordinator



Shivam Chauhan
2nd Year Student Co-ordinator