

JUNE 2018

# NEWSLETTER

*Noida Institute of Engineering & Technology*

## DEPARTMENT OF BIOTECHNOLOGY

### 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.

### EVP'S MESSAGE



Providing ample opportunities in engineering education is one of the most fundamental obligations we owe to our students. We are driven by the belief that every student deserves a high quality education. NIET provides an intersection of great challenge and great opportunity for the students to review their efforts and to analyze their achievements in research and development. Technology is evolving at a dizzying rate but our classrooms are designed to keep pace with it. Our Training and Placement cell consistently search the nooks and the corners to bring home every opportunity that could turn NIET student ready for the industry .

**Mr. Raman Batra**  
Executive Vice President

### AMD'S MESSAGE



Nurturing creativity and inspiring innovation are two pillars of today's education system and NIET being an engineering institution give utter importance to these attributes of education. To upscale the abilities of young minds and provide them proper incubation, the state-of-the-art Bioinformatics Facility for Research in Computational and Systems biology has been recently established. The application of IT and Computer science in the field of Biology and Biotechnology is enormous and I take delight in saying that the Facility is the reflection of the budding interest of students in this fields in the recent past.

**Dr. Neema Agarwal**  
Additional Managing Director

# Departmental Activities

## WINNERS ZONE



Mr Rohit Satyam was selected for SRISTI-BIRAC Appreciation award and received grant of Rs 1 Lac for continuing future work of Biotech Innovation Ignition School (BIIS)-2 project held at Ahmedabad on 26.02.18 .

- ▶ Ms. Vedika Chauhan, Mr. Rohit Satyam, Ms. Aditi Tiwari got **3rd prize** in Biotreasure Hunt at NIET.
- ▶ Ms. Manisha Kumari, Ms. Diksha Singh got **2nd prize** in Biotreasure Hunt at NIET.
- ▶ Ms. Shristi Singh got **3rd position** at Dr. Abdul Kalam Arts & Cultural Fest 2018 at GNIOT, Greater Noida .
- ▶ Ms. Bhawana Singhal got **2nd prize** in Modern Fuel (Technorbit 2k18) at NIET .
- ▶ Ms. Bhawana Singhal got **1st prize** in Water Rocketry (Technorbit 2k18) at NIET.
- ▶ Ms. Prerna Sood, Ms. Aditi Tiwari got **1st prize** in Sci-Charades .
- ▶ Mr. Rohit Satyam, Ms. Vasudha Singh got **3rd prize** in Sci-Charades.
- ▶ Ms. Prerna Sood and Ms. Ayushi Tiwari got **1st prize** in Time Game at NIET .
- ▶ Ms. Ayushi Tiwari received a **cash prize of Rs. 2000** for Essay Writing Competition conducted by Delhi Metro Rail Corporation.

Ms. Poornima Srivastava, Ms. Sakshi Pathak, Ms. Shivangi Verma, Ms. Manisha Kumari, Ms. Shalini Singh got **1st Prize** for smart village at IGNITE 2018, IILM .



Ms. Aritri Sarkar got **1st prize** in Extempore at Amity University Quizbee -2018.

Mr. Rohit Satyam got **2nd prize** in just a minute at Dr. Abdul Kalam Sports Fest 2018 (Zonal Level) conducted by NIET, Greater Noida .



Ms. Astha Kulshrestha got **3rd prize** in Water Rocketry at the event Ebullience 2k18 NIET, Greater Noida .



Ms. Priyanka Karan, Ms. Ayushi Tiwari, Ms. Aditi Tiwari got **1st prize** in Agar Art event under the Ebullience 2K18, NIET Greater Noida .

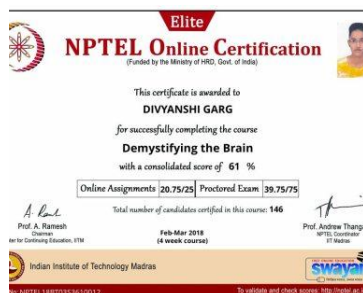
Ms. Vasudha Singh got **2nd prize** in Agar Art event under the Ebullience 2K18, NIET Greater Noida .



# Workshop And Seminar Zone

- ▶ Mr. Rohit Satyam, Mr. Prashant Kumar Singh , Ms. Purna Sood , Ms. Barkha Ghusain, Ms. Tanu Singh, Ms. Siddhi Agarwal, Ms. Poornima Srivastava, Ms. Shalini Singh, Ms. Aritri Sarkar , Mr. Rohit Panchal, Ms. Shivangi Verma had attended a Workshop on Recent Trends in Bioinformatics at Deen Dayal Upadhyay, University of Delhi.
- ▶ Mr. Debadri Ghosh , Ms. Himanshi Garg , Ms. Pooja Yadav, Mr. Aditya Pandit attended an International conference on advances in Bioscience & Biotechnology – 2018 at IIIT , NOIDA.
- ▶ Ms. Aditi Sharma participated in Anveshana 2018 Science & Engg Fair at Delhi NCR .
- ▶ Mr. Prashant Kumar Singh Participated in GIAN course on Molecular Dissection & Host Pathogen Interaction at IISER Bhopal .
- ▶ Ms. Bhawana Singhal attended a workshop on "Diagnostics of Infectious Diseases" at Dr. B R Ambedkar Centre for Biomedical Research.
- ▶ Ms. Jyoti Prajapati , Ms. Aditi Saxena ,Ms. Purna Sood , Ms. Amlan Kusum Samal contributed in the national level Smart India Hackthon at NIET As a volunteer.
- ▶ Mr. Rohit satyam , Mr. Darpan Baranwal ,Mr. Vipul Baliyan, Ms. Anjali Shukla , Mr. Abhishek Tiwari, Ms. Ayushi Tiwari, Ms. Pulkita Bansal ,Mr. Prashant Kumar Singh, Ms. Nishtha Singh, Ms. Tanu Singh, Ms. Shristi Singh, Ms. Purna Sood, Mr. Himanshu Jauhari attended a 7 days Workshop on "Synthesis of Nanoparticles" at Noida International University, Greater Noida.
- ▶ Ms. Pulkita Bansal attended a 'Science Conclave: Research on the Frontiers' at Miranda House, University of Delhi .

## Other Achievements



Ms. Divyanshi Garg was certified by the NPTEL Online Certificate on topic **Demystifying The Brain with 61%**.



**Mr Hitesh Joshi contributed as a speaker of a workshop on April 19, 2018 on 'Bioinformatics and Data Sciences' under the aegis of Dynamic NIETians Association (DNA). He was awarded for his contribution and meritorious service; the lecture unveiled the depth of his immense knowledge of Bioinformatics and its advancements.**



Ms . Purna Sood, Ms. Jyoti Prajapati and Ms. Amlan Kusum Samal participated in a basketball tournament at Sharda University .

# GATE Qualifiers



Congratulations to Ms Uroosa Warsi for securing an AIR-25 in the GATE-2018 Examinations .



Congratulations to Ms Ayushi Tyagi for securing an AIR-452 in the GATE-2018 Examinations .

**We congratulate you both for adding another success feather to the crown of NIET. Wishing you immense success in all endeavours of life.**



The department organised an industrial visit for the B. Tech 2016-2020 Batch students to Yakult Danone India Pvt. Ltd. at Sonapat, Haryana. The lectures focussed on the journey of Yakult Danone so far and the health benefits of a Probiotic drink.



A Guest Lecture on Synthetic Biology: Concepts, Opportunities & Challenges was delivered by

**Professor Pawan K. Dhar**

Dean, School of Biotechnology, Jawaharlal Nehru University (JNU), New Delhi. The lecture was highly motivating and the main topics of discussion were Human gene manipulation and vertical farming.

Department of Biotechnology organised 4 events (Sci-Charades , Agar Art , Biotreasure Hunt , Prashana Baan) in the Ebullience 2K18 Event , NIET Greater Noida.



# Picture Gallery



## EDITORIAL BOARD MEMBERS

- **Mr. Ankit Kumar**
- **Ms. Vineeta Singh**
- **Ms. Meenu Agrawal**
- **Mr. Rohit Satyam**
- **Mr. Prashant Kumar Singh**
- **Ms. Ayushi Tiwari**

## PEOs

**PEO 1:** To acquire knowledge and develop understanding by providing high quality education through andragogical tools.

**PEO 2:** To develop industry aligned skill in order to minimize the gap between industry and academia.

**PEO 3:** To inculcate the students with the social ethics for becoming a responsible citizen.

## PSOs

**PSO1:** To apply knowledge of basic sciences and biotechnological techniques

**PSO2:** To design, optimize, analyze & scale up bioprocesses to develop useful products with societal consideration.

**PSO3:** To generate, analyze & interpret biological data using insilico & other relevant approaches.

## LATEST NEWS

B.Tech- Biotech- In House 7 Day Training For Batch 2015-2019, Batch 2016-2020 and Batch 2017-2021, conducted by CMC PFS .

**(Between 1 to 10 July 2018 )**