NEWSLETTER

JULY

2016

Noida Institute of Engineering & Technology

DEPARTMENT OF BIOTECHNOLOGY

HOD'S PROFILE



Dr. Ravi Kant Singh received his M.Tech degree in Biotechnology from IET, Lucknow and later on he obtained his Ph.D. degree in Biotechnology from Uttar Pradesh Technical University, Lucknow in the year 2008. Dr. Singh has completed his M.Tech dissertation work from Developmental Toxicology Division of Indian Institute of Toxicology Research (IITR), Lucknow and Ph.D. research work from Biochemical Reaction Engineering Lab of Indian Institute of Technology, Roorkee. He has more than 16 years of teaching experience in teaching undergraduate and postgraduate engineering students. His areas of interest and specialization include Biochemical Engineering, Bioprocess Engineering, Bioreactor Design & Analysis and Environmental Biotechnology. He has published more than 30 research papers in refereed journals and more than 10 research papers in various national and international conferences. He has also guided more than 12 M.Tech. Dissertations and 03 Ph.D. Research works. He is a technical reviewer & editorial member of various international journals. He is senior member of Board of Studies (BOS) of Biotechnology & an approved supervisor in Biotechnology at Dr. A.P.J. Abdul Kalam Technical University, Lucknow. He is an expert consultant to many organizations & industries in India in the fields of Environment Biotechnology & Bioprocess Engineering. He is a lifetime member of Association of Biotechnology and Pharmacy, India and Association of Microbiologist of India, India and The Indian Society of Human Genetics.

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.

HIGHLIGHTS OF THE SEMESTER











- Scientific Paper presentation by the students in the department was scheduled on **15.10.2016 (Saturday), with a** cash prize of **Rs. 1000 with an objective to explore the current state-of-knowledge and research in various domains.**

- NIET,Gr.Noida organized an industrial visit to the **Mother Dairy Plant, Patparganj,New Delhi** , to boost the studies and promote multidisciplinary research in this field .

- Under the National Mission on Education through ICT on 23-08-2016 department of Biotechnology organised a workshop on **“VIRTUAL-LABS” conducted by IIT,Delhi.**

- A one day **Industrial Visit to Institute for Industrial Research & Toxicology (IIRT), Ghaziabad was** scheduled in an effort to boost the studies and promote multidisciplinary research.

- Mr. Rohit Satyam bagged the **Story Mirror certificate** for his extraordinary and amazing story writing skill.

- Ms. Srishti Gupta presented a poster on the topic of **"Whey based probiotic drinks".**

- Ms. Arunima Yadav & Ms. P. Asawari presented a poster on the topic **"Zika Virus" .**

- Mr.Rupesh Sharma and Ms. Mitalee Krishna presented a poster on the topic **"Stem cell regeneration" .**

- **Stupendous performance** by the students in the **ACADEMIC SESSION 2015-16 II Year Ruby Bam** (1413354036) with **81.35 % , III Year Shrishti Gupta** (1313354027) with **87.35 %, IV Year Divyani Pal** (1213354007) with **81.78 .**





PEOs

PEO1: To acquire knowledge and develop understanding by providing high quality education through andragogical tools.

PEO2: To develop industry aligned skill in order to minimize the gap between industry and academia.

PEO3: 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.



An Industrial visit was organized by **NIET,Gr. Noida** for the students of **B.Tech (Biotechnology)**, 3rd Semester to the **Mother Dairy Plant**, **Patparganj, New Delhi** on **1st Oct,2016** . Two faculty members **Ms. Meenu Agrawal** & **Mr. Rahul Garg** accompanied **40** students for the industrial visit.



A one day Industrial Visit to Institute for Industrial Research & Toxicology (IIRT), Ghaziabad was organised by Department of Biotechnology, N.I.E.T. Greater Noida on **September 16, 2016** for the students of **B.Tech (Biotechnology) final year**. IIRT "Institute for Industrial Research and Toxicology", a unit of Sanbio Tech Pvt. Limited registered under Ministry of Environment & Forest, Government of India .

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