



DNAwesome NEWSLETTER

VISION

To become a global centre for higher learning in pursuit of academic excellence, innovation, and entrepreneurship in various disciplines of Biotechnology.

MISSION

M1: To adapt and update students with rapidly changing technologies through self-improvement with continuous learning and professional ethics.

M2: To enable students for community-collaborative learning processes beyond classrooms in various disciplines of biotechnology.

M3: To conduct cutting-edge multi-disciplinary research in plant, animal, medical, industrial, microbial, and environmental biotechnology.

M4: To motivate and train students for industrial practices, higher studies, lifelong learning skills, and entrepreneurship.



School of Engineering and Technology organized 5-day Orientation Programs from 19th-23rd August 2019 for Department of Biotechnology, Civil Engineering, Computer Science & Engineering, Electronics and Communication Engineering and Mechanical Engineering. The orientation is aimed to Welcome the Budding Engineers and Introducing all the distinct activities of the School/Department. Various Industry Leaders are invited in the Orientation Program to motivate and provide insights of Industrial requirements. The Chief Guest of the orientation program was Shri Narendra Bhooshan (IAS), CEO, GNIDA along with Mr. Pradyumna Pandey, Head HR, JK Tyre, Mr. Abhijit Chakraborty, Head HR, NGSL (NTPC & GE Company), Mr. Raju Foujdar, CHRO, Aqualite Footwear, Praveer Priyadarshi, Former CPO, Jindal Steel are among the key industry interface who interacted with new batch of engineering graduates of all the streams.

During the address of Shri Narendra Bhooshan, he recalled his own experiences as a new student at the Punjab Engineering College in the year 1986 and discussed how times have changed and how information is helping the people in all aspects of life. Shri. Bhooshan detailed the various activities and processes within Greater Noida in association with students of Sharda University who contributed to innovative solution like Pari Chowk and others. Sharda University is a knowledge partner of the GNIDA and students of Sharda University are already working with the GNIDA on solving the traffic problems and beautification of the city. Shri Bhooshan discussed further avenues of cooperation and emphasised on the necessity of innovation.

He motivated the students to identify the challenges, participate in events like Hackathon and go beyond the curriculum to provide solutions to the problems faced by the society. Shri Pradeep Kumar Gupta, the Chancellor of Sharda University, discussed the necessity of interdisciplinary research and manufacturing sector in the growth of the country and urged the students to come forward as entrepreneurs. The pro-chancellor, Shri Y. K. Gupta, congratulated the students on making a new beginning and used the examples of Indian scientific achievements such as the Chandrayaan 2 to motivate the students to be better engineers and achievers. Prof. Parma Nand, Dean, School of Engineering and Technology motivated the students and thank the CEO for his time and encouragement among the students. The programme was attended by over 800 students and parents. Dean SET, Prof. Parma Nand also introduced the academic and research aspects of the school. All the Head of Departments, Dr. Amit K Singh, Dr. Gaurav Saini, Prof Nitin Rakesh, Dr. Prema nand Pany and Prof. Bhim Singh conducted department wise orientation of respective students and introduced the Teaching, Learning, Innovation, Research, Clubs and Students Centric Activities to all the budding engineers. This is one of the most successful and fruitful orientation which provided complete knowledge and understanding to the new batch of students.



**"Unity is strength...
when there is
teamwork and collaboration,
wonderful things
can be achieved."
- Mattie J.T. Stepanek**

**Mevlana Exchange Program: Karabük University (KBU),
Turkey**

Student's Achievement

- Arjun Bhatta (B.Tech-Biotech 2018 pass out batch) Ph.D Admission in Max Plank Institute, Germany
- Sakshi Singh (B.Tech-Biotech 2018 pass out batch) Ludwig Maximilian University, Munich, Germany
- Rasindu Rajnaike (B.Tech Biotech 2016 Pass out) Ph.D admission in University of Houston, Texas USA.
- Nikita Sharma BTY 3rd year Manisa Celal Bayor University Turkey

Talent wins games, but
teamwork and
intelligence win
championships.”

Michael Jordan

Smart Indoor AQI

Mr. Jacob Ajala, Mr. Ashutosh Srivastav and Mr. Faizan Akthar participated in IBM Hackathon and won second position. The project is now backed by Greater Noida Authority for commercial production. This project allows us to monitor and check live air quality pollution in a closed area through IOT. System uses air sensors to sense presence of harmful gases/compounds in the air and constantly transmit this data providing more than 10 parameter and send to authorities in case of fire or extreme emergencies.



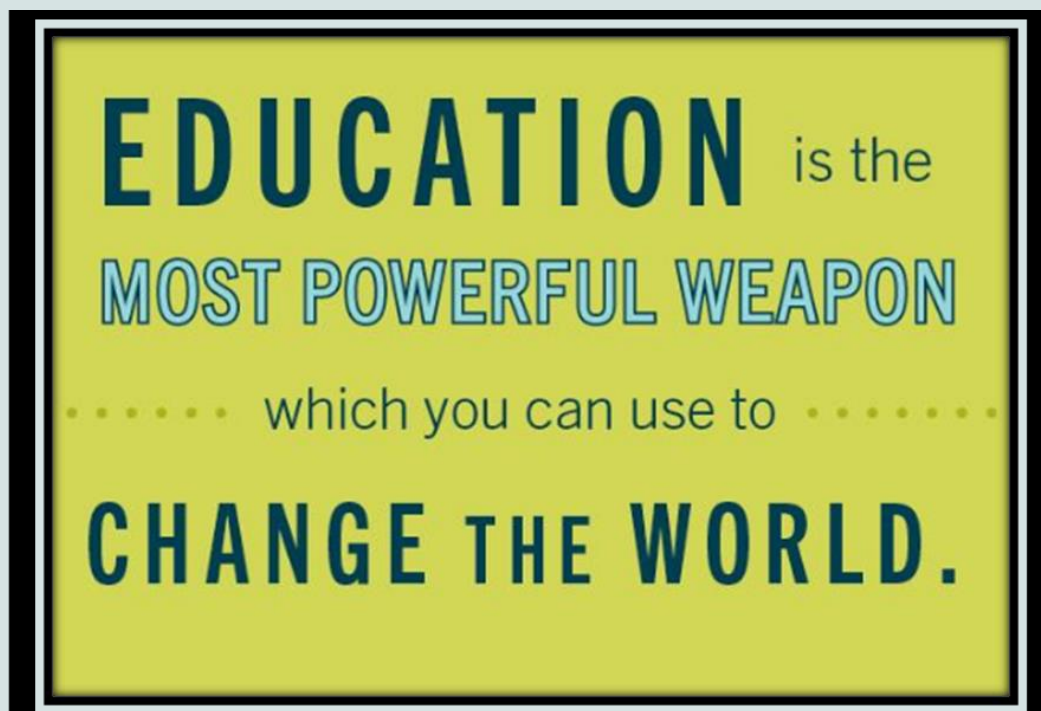
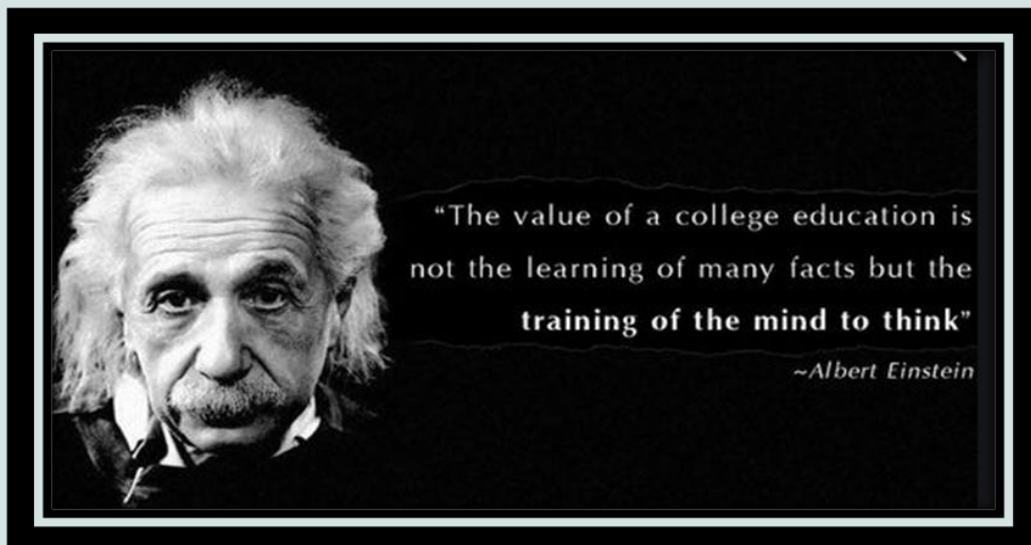
Consultancy

We have the Department of Industry Interface. Under this department, the following activities are performed: - Collaboration with Industry associations like IIA Collaboration with “DN Enterprises “for Industry aided Projects Collaboration with Govt. Of India institutions like MSME Ministry, NIESBUD Doing Consultancy Projects like –

3 Projects under MSME Design Clinic Scheme

- 1: innocuous-Project
- 2: paramount-Project
- 3: precision-polymer-project

Organizing Paid Workshop like
“Export To 24 Countries” (Rs. 50000 Cheque
Order of ERP project worth Rs. 50,000)



Admission in Foreign Universities/IIM

1	Jaanvi Kaushik	BT	Hariowatt University, Scotland	2018	Master's programme
2	Eram Fatima	BT	ICT, Mumbai	2018	M.Tech in Bioprocess Technology
3	Nilisha Pokharal	BT	Marquette University, Wisconsin,	2018	Ph.D

Publications - Research Papers/Books

Departments BT

Year 2018-19

Number of Publications in Journals 26

Number of Publications in Interdisciplinary research/Conference 24

Number of Books authored by faculty 1

Number of Chapters in books authored by faculty 0

Patent Filed /Published/Awarded N/N/N

Biotechnology Engineering

Biotechnology makes its mark at Pathfinder Research and Training Foundation. A month-long summer training was conducted by Pathfinder Research and Training Foundation (PRTF), in collaboration with Sharda University, Greater Noida. Pathfinder Research and Training Foundation is a state-of-the-art platform for researchers to accomplish research activities related to drug discovery. The training was aimed at imparting basic skills to college students on the workflow and standard pipeline of drug discovery using in silico tools. The lectures were given by in-house faculty and guest lecturers of eminent scientists such as Dr. GPS Raghava, Professor and Head, Computational Biology; IITD.

It was organized under supervision of Dr. Aditya Arya, and Dr. Vivek Dhar Dwivedi, working as scientist at PRTF. Students from Department of Biotechnology, Sharda University, GLA University, Amity University and J.P. Institute participated in this unique summer training programme. It was an interactive session which also inculcated team spirit and bioinformatics skills in the students. Prof. (Dr.) Parma Nand, Dean, School of Engineering and Technology (SET), Sharda University said, "This unique summer programme imparts research skills in students and make them industry ready. We at Sharda University aim to bridge the gap between industry and academia through such training programs, lectures and practical sessions.

In today's competitive scenario, the focus of students should be on skill development and strength building rather than merely collecting diploma and degrees." At the end of this training, students have been trained enough to retrieve biological data from various repositories, perform molecular docking of proteins with small molecules and understand the basic pipeline of in silico drug discovery.

Dean, School of Engineering and Technology (SET) Prof. (Dr.) Parma Nand, was invited guest in the valedictory function where he enlightened the students with his motivating words, and inspired them to focus on skill building. Dr. Saurabh Kumar Jha (Assistant Professor), was faculty in-charge of organizing this whole event.



Biotechnology students win honors at Constitution Law Quiz & National Seminar on Plastic Waste Free India

Pandit Deen Dayal Upadhyay Manch, in association with Manyavar Kanshiram Govt. Degree College, Ghaziabad organized a day-long National Seminar on Plastic. Waste Free India on January 29, 2019, which witnessed overwhelming participation by students of Biotechnology (SET), Sharda University, Greater Noida. They won 1st, 2nd and 3rd prize in Technical Session.

Ankit Khugshal bagged the 1st prize, Akshay Kr. Arya, Ankit Kumar, Rameez J. Khan, Rajat Kr. Jha, Aparna Srivastava, and Hamza Nizamuddin stood second, followed by Ankita Singh at the third position. Souvik Chaudhary, Shraddha Sahu, Nancy Gupta and Shubham Srivastava won First Prize at the Poster Making Competition. Chairperson, Shri Vinod Sharma (National President of Deen Dayal Smiriti Manch) praised the performance of the students.

The event was coordinated by esteemed leader Prof. Parma Nand (Dean, School of Engineering and Technology, Sharda University) and was coordinated by Dr Pankaj Taneja (Associate Professor) and Dr Saurabh Kr. Jha (Assistant Professor), Department of Biotechnology (SET), Sharda University.

INSA Visiting Scientist Fellowship

Two of our faculty members received prestigious INSA Visiting Scientist fellowship for 60 days under INSA Visiting Scientist programme 2019. Dr. Ram Saran Chaurasiya received the fellowship and visited CSIR-Central Food Technological Research Institute to further his research, and Dr. Richa Sharma visited IISc Bangalore under this program.

Mr. Sagar Chauhan student of B.Tech Biotechnology batch 2015-19 got appointment in Foresight Biotech

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