



SHARDA
UNIVERSITY
Beyond Boundaries

DEPARTMENT OF
BIOTECHNOLOGY



SCHOOL OF ENGINEERING
AND TECHNOLOGY

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.

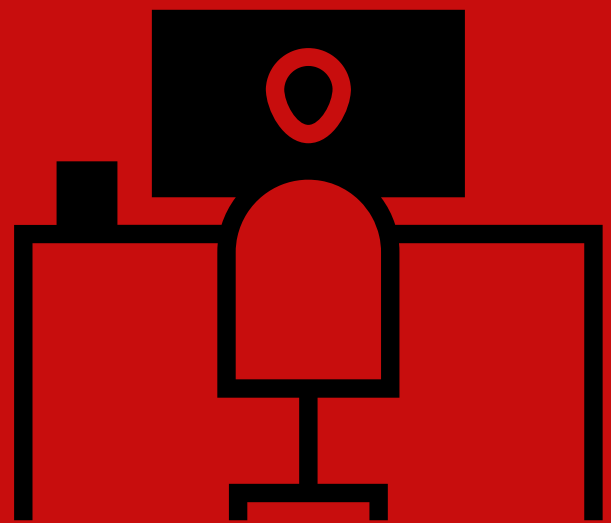
M4: To motivate and train students for industrial practices, higher studies, lifelong learning skills, and entrepreneurship.

ENTREPRENEURSHIP



B.Tech student Mr. Sumit Kumar Singh (Batch 2010-2014), of Biotechnology Engineering and Technology had started his company named DIOSIV FOODS PVT LTD., Ghaziabad.

Kargesh Kumar, B.Tech student of Biotechnology Department, School of Engineering and Technology, has started a Firm Prominent Scientific, Co dealing in Analytical Chemicals and molecular biology products and services serving Scientists across the country.



Hackathon 2019

As part of the Winter Carnival, commemorating the 28th Foundation Anniversary of the GNIDA, Sharda University in association with GNIDA, organized a 24-hour long hackathon titled "Technovation Hackathon" on Jan 26-27, 2019. This event brought together almost 400 students from over 30 educational institutions from Delhi-NCR and other parts of the country. The participants worked in small groups of 3-5 students, to solve any thematic problem from any one of the 4 major themes of the event: Waste Management, Security & Surveillance, Smart Transportation & Traffic Management, and Energy Efficiency & Green Energy.



Prizes worth 3 lakh were awarded to the winners including the top prize of Rs. 50,000/-. CEO-GNIDA Shri Narender Bhooshan presided the awards ceremony, accompanied by the Chancellor- Sh. P.K. Gupta and Pro-Chancellor - Sh. Y. K. Gupta of Sharda University. All the dignitaries were all praises for the efforts put together by the participants and more details of several of these ideas have been requested by the GNIDA for potential implementation. The organizing team of the event constituted the Heads of engineering dept., headed by the Dean-SET, and ably supported by faculty, staff and students of SET.



WASTE MANAGEMENT WINNERS



First Winner: Team No. 151/Fruit Filter of Sharda University (30000 Rs)

- 1.Pravesh Rawat (Collected Cheque on behalf of team)
- 2.Vaishnawi Wats
- 3.Alvira Faitma
- 4.Somya Singh

Second Winner: Team No. 142/Tech Driver of Dronacharya Group of Institution (20000 Rs)

- 1.Devid Negi (Collected Cheque on behalf of team)
- 2.Chandini

Third Winner: Team No. 03/TheRecylo of Sharda University (10000Rs)

- 1.Neha Kandpal (Collected Cheque on behalf of team)
- 2.Ritu Rani
- 3.Arif Sattar
- 4.Geetanjali Anand
- 5.Waish Karan
- 6.Vartika Jain

STUDENT ACHIEVEMENT

Pandit Deen Dayal Upadhyay Manch, in association with Manyavar Kanshiram Govt. Degree College, Ghaziabad organized a one day National Seminar on Plastic Waste Free India on January 29, 2019. Students of Biotechnology (SET), Sharda University, Greater Noida participated and won prizes in following categories:-

1. Technical Session, Oral Presentation-

I Prize - Ankit Khugshal & Raksha Anand (Oral Presentation)

II Prize - Akshay Kr. Arya, Ankit Kumar, Rameez J. Khan, Rajat Kr. Jha, Aparna Srivastava, Hamza Nizamuddin (Poster presentation)

III Prize - Ankita Singh (Oral Presentation)

2. Poster Making Competition

First Prize - Sovik Chaudhary, Shraddha Sahu, Nancy Gupta, Shubham Srivastava



BIOTECHNOLOGY ENGINEERING

EXTERNAL RESEARCH FUNDS

Dr. Sachin Teotia has received sanction of Rs Fifty-eight Lakhs, from SERB, Ministry of Science and Technology for his project entitled "Increasing seed oil content in Indian mustard by depressing acetyl CoA carboxylase through silencing of inhibitors"

PUBLICATIONS

Prof. Rita Singh Majumdar published a book entitled "Encyclopaedia of Indian Medicinal Plants: 2019", Write and Print Publications, New Delhi.

One research paper by Dr. Garima Chauhan got accepted in PLOS Neglected Tropical Diseases. Title of the paper is "Cinnamomum cassia exhibits antileishmanial activity against Leishmania donovani infection in vitro and in vivo,"



AWARDS AND HONORS

Dr. Ram Saran Chaurasiya received Young Scientist Award in National Conference on "Recent Advances in Management of Health, Environment, Science and Technology" organized by MPCST Bhopal, M.P. India.



Students from Department of Biotechnology won First Prize (Rs. 30,000/-) in "Technovation Hackathon" organized Greater Noida Industrial Development Authority (GNIDA) in association with Sharda University, on 26-27 January 2019. Under the mentorship of Dr. Ram Saran Chaurasiya, they developed a 'Fruit Filter' for solid waste management under the sub theme "Waste Management". The students were Pravesh Rawat, Sonali Sharma, Tushita Bishnoi, Vaishnawi Wats, Alvira Fatima and, Somya Singh. The same group also won Second Prize (Rs. 2,000/-) in "Contrivance 2019" organized by SET, Sharda University, Greater Noida on 18-19 April 2019.



Prof. Rita S. Majumdar has chaired the technical session and delivered lecture as a key note speaker in the 2nd International Conference on “Environmental Pollution and Its Control (EPIC-2019)” during 18-19 February 2019 in Banswara (Rajasthan). It was organized by Government Engineering College, Banswara (Rajasthan) in association with BVM, Vidyanagar (Gujarat).

Dr. Ram Saran Chaurasiya received INSA Visiting Scientist Fellowship 2019 from Indian National Science Academy, New Delhi, India.

WORKSHOPS

Ms. Neha Mishra, Dr. Ram Saran Chaurasiya and Dr. Richa Sharma conducted a workshop on “Citations and bibliography management using ‘Endnote’ software”. The workshop was organized twice on 16th Feb and 6th Apr 2019 at Sharda University and was attended by Ph.D students and teachers.



PAPER PRESENTATION



Dr. Ram Saran Chaurasiya presented a paper on "Wealth from solid waste generated at agricultural/food processing level" in National Conference on "Recent Advances in Management of Health, Environment, Science and Technology" organized by MPCST Bhopal, M.P. India.

Mr. Mulegeta Gudisa Goro and Ms. Pragati Sahai, PhD Scholars (supervisor Dr. Vimlendu Bhushan Sinha) of the department participated in National Conference on Biotrendz: Technological advancement and challenges in the field of Biotechnology held on 23-24 April, 2019 at Noida Institute of Engineering and Technology, Greater Noida. Their work was appreciated by different participants of the conference and Ms. Pragati Sahai won the second position in oral presentation category along with a cash prize of Rs. 2000/-



FACULTY DEVELOPMENT PROGRAM

Dr. Ram Saran Chaurasiya attended an FDP on “How to plan, write and submit project proposals” Organized by Sharda University, Greater Noida, Uttar Pradesh, India on 31 January 2019.

Dr. Ram Saran Chaurasiya attended an FDP on “MOOC: What, Why and How” Organized by Sharda University, Greater Noida, Uttar Pradesh, India on March 30, 2019.

INDUSTRIAL VISITS



**INDUSTRIAL VISIT TO CHW FORGE,
GHAZIABAD ON 11.01.2019**

The Greater Noida Industrial Development Authority organized the event's four-day winter carnival, scheduled from 25 January to 28 January. The annual event, with a “SMART and HAPPY GREATER NOIDA” theme, included cultural programs, hackathons, and a science fair. In the Science fair, three colleges i.e., Sharda University, Shiv Nadar College, and IIMT participated at City Park Greater Noida. Every college displayed attractive working models, and charts. SET (Mechanical, Electronics, and Biotech) and SBSR (Agriculture) presented the alluring projects on behalf of Sharda University. The departments displayed more than three exclusive projects. Greater Noida authority appreciated our remarkable participation. During the event huge gathering of people showed their interest and appreciated the new concept of technology which is included in working projects like Solar Electrical Vehicle, Divya Shakti, Laser Gun counter, and many more. The students and the departmental support were provided for the event.



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