

3RD ISSUE

AUGUST 2018

**DEPARTMENT OF
BIOTECHNOLOGY**

SCHOOL OF ENGINEERING AND TECHNOLOGY

Vision of the Department

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

Mission of the Department

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.

ORIENTATION PROGRAMME



ORIENTATION PROGRAMME FOR ALL ENGINEERING STUDENTS OF 1ST YEAR WAS ORGANIZED BY SCHOOL OF ENGINEERING AND TECHNOLOGY, SHARDA UNIVERSITY FROM 20TH AUGUST 2018 TO 21ST AUGUST 2108. THE AIM WAS TO FAMILIARIZE WITH THE CURRICULUM, RULES AND REGULATIONS, TEACHING METHODOLOGIES AND THE CO-SCHOLASTIC ACTIVITIES. THE PROGRAMME COMMENCED WITH A WARM WELCOME BY DEAN (SET), PROF. (DR.) PARMA NAND. ALONG WITH HOD CSE, PROF. (DR.) NITIN RAKESH, PROF. (DR.) BHIM SINGH, PROF. (DR.) RITA, DR. GAURAV SAINI, DR. PALLAVI GUPTA. HE ENCOURAGED HE STUDENTS ON THE NEW BEGINNING OF THEIR CAREERS AND MOTIVATED THEM FOR A BRIGHT CAREERS. IT WAS FOLLOWED BY PRESENTATIONS, STARTED BY MR. RUPESH JINDAL ON EXAMINATION AND ASSESSMENT PROCESS. MS. SUPRIYA KHAITAN WAS NEXT WHO GAVE BRIEF DESCRIPTION ON MENTOR-MENTEE PORTAL. THE STUDENTS WERE THEN SHOWN A BRIEF PRESENTATION ON MENTORSHIP PORTAL. THE STUDENTS WERE ACQUAINTED WITH THE OPPORTUNITIES THEY WILL BE RECEIVING UNDER THE MENTORSHIP PROGRAM. FURTHER, DR. RASHMI PRIYADARSHINI ON LMS/PEOPLESOFT AND THEN BY DR. DLN SHASTRI ON PLACEMENT AND FINALLY MR. VINAY VERMA, FIRST YEAR COORDINATOR, WHO WELCOMED THE STUDENTS AND GAVE THEM AN INTRODUCTION REGARDING THE ACADEMIC DISCIPLINES.

THE SECOND DAY OF ORIENTATION PROGRAM ORGANIZED WITH THE CLEAR OBJECTIVE OF INDUSTRY INTERACTION. THE GOAL IS TO PRODUCE SKILLED, GLOBALLY COMPETENT PROFESSIONALS THROUGH QUALITY TECHNICAL EDUCATION AND TO PREPARE THEM FOR IMMEDIATE EMPLOYMENT. INDUSTRIES ENGROSS THESE KNOWLEDGEABLE PROFESSIONALS AND ENHANCE ITS PRODUCTION CAPABILITIES BY CONTRIBUTING THE LATEST TECHNOLOGIES.

THE SESSION WAS ADDRESSED BY SENIOR INDUSTRY GUESTS FROM DIVERSE AREAS:

1. MR. K. K.KANJI (BCE, PGDM, MRICS), DIRECTOR OF PROJECTS (LOTUS GREENS DEVELOPERS PVT. LTD.)
2. MS. SONIA MANCHANDA (COO FOUNDER), AIRSOFT.
3. MR. ALOK KUMAR MITTAL (GROUP MANAGER), ST MICROELECTRONICS



CAREER COUNSELING: PLACEMENT ACTIVITY

A SESSION ON CAREER COUNSELING FOR ALL ENGINEERING STUDENTS OF 3RD AND 4TH YEAR WAS ORGANIZED BY SCHOOL OF ENGINEERING AND TECHNOLOGY, SHARDA UNIVERSITY FROM 8TH AUGUST TO 14TH AUGUST 2018. THE SESSION WAS ADDRESSED BY GUESTS FROM VARIED INDUSTRY. THEY SHARED THEIR VALUABLE EXPERIENCES WITH STUDENTS AND STUDENTS ASKED THEM NUMBER OF DOUBTS ABOUT INTERVIEW REQUIREMENT, SKILLS, QUALITY OF ENGINEER REQUIRED TO WORK ON FIELD ETC.

CAREER COUNSELLING SPEAKERS DETAILS

Name of the Company	Executive Details	Potential Subjects/Areas to Focus
Lifecell	Yogesh Yadav EVP	Food technology & Lab Testing
AES Labs	Shalini Tripathi SESGM	Ayurvedic cosmetics- quality
Shanaz Hussain	Ajay Kumar CCGM	Bio Technology Consultancy
Dhanuka Group	Preeti Thakur	Agrochemical





ON 21ST AUGUST 2018 AN INDUSTRIAL TALK WAS ORGANIZED TO MAKE THE NEWLY INDUCTED STUDENTS AWARE OF THE SCOPE OF THEIR PROGRAMME. EXPERT CAME FROM ADANI WILMER LIMITED TO DELIVER A TALK ON "CURRENT SCENARIO OF FOOD INDUSTRIES AND FOOD PROCESSING IN INDIA" TO ENCOURAGE AND INSPIRE THE YOUNG MINDS. THIS WAS ALSO ATTENDED BY OUR B.TECH FINAL YEAR STUDENTS.

INDUSTRY CONNECT AND CAREER COUNSELING

ON SEPTEMBER 19TH, 2018 (WEDNESDAY), THE DEPARTMENT OF BIOTECHNOLOGY ORGANIZED AN INTERACTIVE SESSION ON 'CAREER GUIDANCE'. MR. DHEERAJ PRATAP TOMAR (REGIONAL SALES MANAGER) AND MR. ATUL SISODIA (SENIOR RELATIONSHIP EXECUTIVE) FROM CRYOVIVA INDIA PVT. LTD. WERE INVITED FOR THIS SESSION AND INTERACTION. MR. SISODIA, ONE OF OUR EX-STUDENTS (2010-14 BATCH), INTERACTED EXTENSIVELY AT ONE TO ONE, WITH THE STUDENTS CLEARING THEIR DOUBTS REGARDING VARIOUS JOB PROFILES, WORK ENVIRONMENT, TYPES OF BIOTECH INDUSTRIES AND INTERVIEW BASICS IN VARIOUS BIOTECHNOLOGY INDUSTRIES. ABOUT 35 STUDENTS OF THE 4TH YEAR PARTICIPATED. AT THE END, THE SPEAKERS SHARED THEIR CONTACT DETAILS WITH THE STUDENTS AND WERE THANKED BY THE ORGANIZERS.



2ND NATIONAL CONFERENCE

Department of Biotechnology organized 2nd National Conference on "Advances in Biotechnology: An Interdisciplinary Approach" from 2nd to 3rd November 2018. Eminent scholars and students from ten different universities participated in it. Dr Sanchita Jindal, Adviser (Scientist G), Ministry of Environment, Forest and Climate Change, Govt. of India graced the inaugural ceremony as chief guest.



ABOUT 260 DELEGATES FROM DIFFERENT PARTS OF THE COUNTRY ATTENDED THIS NATIONAL CONFERENCE. ABOUT 16 INVITED SPEAKERS FROM REPUTED INSTITUTIONS AND 27 ORAL PRESENTATIONS WERE SELECTED OVERALL.

ABOUT 50 POSTERS WERE DISPLAYED FOR POSTER COMPETITION. FIVE ORAL PRESENTER AND 4 POSTER PRESENTERS WERE AWARDED FOR THEIR EXCELLENT PERFORMANCE.



INDUSTRIAL VISIT

Students of B.Tech Biotechnology, Vthterm, B.Sc Biotechnology term V, B.Sc (H) Biotechnology Vthterm, visited Yakult Danone, Sonepat Plant on 15, November, 2018. Yakult is a pioneer in Probiotic foods worldwide since 1935. Yakult has a global presence in 33 countries and regions. The students were introduced to the whole methodology of probiotic milk preparation.

They were accompanied by two of our faculty members, Dr. Pankaj Taneja and Dr. Sujata Pandit.

Expert lecture on "Career Uplift: Stem Cell & Regenerative Medicine"

Department of Biotechnology, SET (Sharda University) has Organized an Expert lecture on "Career Uplift: Stem Cell & Regenerative Medicine" in the area of Biotechnology on 26th November 2018. This Expert lecture organized in the leadership of Prof. Parma Nand (Dean SET) for career upliftment of B.Tech/M.Tech Students in the area of Stem Cell and Regenerative medicine. This area is an innovative and Research backbone in the field of Biotechnology in 21st century. According to Expert lecture Speaker Dr. Prabhu Mishra (CEO & Founder- StemGenn Therapeutics, India) told that Stem Cell Therapy has emerged as very promising technique in regenerative medicine and has gone through rapid advancements in the last few decades. It has now established itself as a major clinical care option and promises a lot of solutions for existing medical problems. The Convener and Co-ordinator's of this lecture are Prof. Parma Nand (Dean SET), Prof. Shahana Majumder (HOD, Department of Biotechnology) and Dr. Saurabh Kumar Jha, Assistant Professor (Department of Biotechnology).



CONFERENCES ATTENDED

DR. AMIT SINGH AND SEVEN STUDENTS FROM THE DEPARTMENT (B.TECH, M.TECH AND PH.D.) PARTICIPATED IN A NATIONAL CONFERENCE ON "EMERGING TRENDS IN NON-COMMUNICABLE DISEASES: ROAD TO PREVENTION AND CURE" HELD AT IMS GHAZIABAD UNIVERSITIES COURSES CAMPUS, GHAZIABAD, U.P. ON 17TH NOVEMBER, 2018. DR. AMIT KUMAR SINGH, THE ASSISTANT PROFESSOR OF SHARDA UNIVERSITY WAS INVITED AS THE CHAIRPERSON FOR THE TECHNICAL SESSION I.



MR. AKSHAY KUMAR AARYA FROM B.TECH BIOTECHNICAL ENGINEERING FINAL YEAR, GOT THE SECOND PRIZE IN ORIGINAL RESEARCH CATEGORY OF POSTER PRESENTATION

VIMLENDU BHUSHAN SINHA, ATUL GROVER, PATADE VIKAS YADAV, AND VEENA PANDE (2018) "SALT AND OSMOTIC STRESS RESPONSE OF TOBACCO PLANTS OVEREXPRESSING LEPIDIUM LATIFOLIUM L. RAN GTPASE GENE." INDIAN JOURNAL OF PLANT PHYSIOLOGY: 1-5

Editorial Board members

Faculty

Dr. Pankaj Taneja

Students

Bhawna Mishra

Saumya Rawat

Syed Juned Hazari

