

## 1. Skilling of Students

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- a. Department of Biotechnology organized a one-day Industrial visit to the Sewage treatment Plant, Badshahpur, Faridabad, on 15<sup>th</sup> September 2022. The objective of this visit was to provide exposure to an aspect of environmental sciences to the students of Biotechnology and Microbiology. A total of 35 students pursuing B.Tech Biotechnology, M.Sc Biotechnology, M.Sc. Microbiology, and B.Sc (Hons.) Microbiology attended this industrial visit. The industrial visit was coordinated by Dr. Kanchan Bhardwaj, Associate professor, Biotechnology and accompanied by Dr. Rashmi Rameshwari, Associate professor, Biotechnology and Dr. Preeti Nandal, Assistant Professor, Biotechnology. Students. During the visit, students learnt about the units of sewage treatment plant and various chemical & biological processes used in the treatment of sewage water.



- b. Students of the Biotechnology Department, MRIIRS visited Translational Health Science and Technology Institute (THSTI), Faridabad on 22<sup>nd</sup> August 2022 for a one-day Workshop on “**Roadmap for Patent Creation**”. The workshop was organized by THSTI, Faridabad in Collaboration with Cell for IPR Promotion and Management (CIPAM) Ministry of Commerce and Industry (Govt. of India). The event was attended by 34 students of the final year B. Tech., M. Tech., MSc. Biotech and MSc Microbiology programs and two faculty members, Dr. Sabiha Imran and Dr. Kanchan Bhardwaj. Participants were issued certificates. The event was coordinated by Dr. Kanchan Bhardwaj, Associate professor, Biotechnology.



- c. Some of the fast-learning students were encouraged and guided by the faculty members of the department to participate in a quiz-competition, organized by the Translational Health Science and Technology Institute, Faridabad, on the occasion of National Science Day on 28<sup>th</sup> February 2022. Our students won second prize in the quiz competition. In addition, some of the students were also guided for short term internships in the areas of their interest.



- d. Faculty members of the Biotechnology Department has been mentoring students for developing their Bio-entrepreneurship skills. Following teams of students and mentors received support for their projects of commercial value, under the NewGen IEDC scheme of DST, India.
- (i) Muskan (Student of the M.Tech Biotechnology program), Kavita (Student of the M. Sc Biotechnology program), Priyanka (Student of the M. Sc Biotechnology program) and Dr. Sabiha Imran, Professor Biotechnology (mentor).
  - (ii) Anjali Maurya, Jaya Bahaduri and Dr. Sabiha Imran, Professor Biotechnology (mentor).
  - (iii) Sasanka Kalita, Kunal Dagar, Nishta Madan, Deepak, Priti Bhowmik and Dr. Nidhi Didwania, Professor Biotechnology (mentor).
  - (iv) Rahul Saini, Ashish Dhariwal (Students of the M.Tech Biotechnology program) and Dr. Kanchan Bhardwaj, Associate Professor Biotechnology (mentor).
  - (v) Pragya Vats, Anjali Tyagi (Students of the M.Sc. Biotechnology program) and Dr. Kanchan Bhardwaj, Associate Professor Biotechnology (mentor).

## 2. Trainings Conducted

Following technical training sessions were coordinated by Dr. Kanchan Bhardwaj, Associate Professor, Biotechnology in association with the BIRAC Bio-NEST Bio-incubator, RCB, Faridabad. Students of both, Biotechnology and Microbiology programs attended these trainings and received certificates.

**Training 1:** A Hands-on Workshop on “Microbial Techniques” on 16<sup>th</sup> June and 17<sup>th</sup> June 2022

**Training 2:** Workshop on “Real-Time PCR” on 14<sup>th</sup> July 2022

**Training 3:** A Workshop on “New Age Diagnostics” on 23<sup>rd</sup> September 2022



### 3. Guest lectures

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On 22<sup>nd</sup> September 2022, Department of Biotechnology, FET, MRIIRS organized guest lectures in Offline mode, by Dr. M. D. Kausar Neyaz, Ph.D, General Manager (R&D) at NextGen Life Sciences., Pvt. Ltd. And Dr. Nagma Abbasi, Ph.D, Founder and CEO, NextGen Life Sciences, Pvt. Ltd. During the first session, Dr. Nagma Abbasi discussed her views on Science in contemporary India and its scope and further, enriched the interactions by giving examples from personal experience. She also discussed her journey in Science. The next session by Dr. Kausar Neyaz, concentrated on “HPV and Cancer: Prevention Efforts in India”. Towards the end, Dr. Kausar Neyaz invited students for summer and dissertation training and also introduced various training modules. The event was coordinated by Dr. Manu Solanki, professor, Biotechnology and Dr. Jayant Maini, Assistant Professor, Biotechnology.



Visit to THSTI facility and Interaction with the Executive Director - Jan 2023

