Brief Report on "Neozion– 2022"

Department of Biotechnology, CBIT

Date: 23.03.2022 to 24.03.2022

EVENT-1

Key-note address

Theme of the activity: Ignition of Young Minds with Innovative Ideas in Fermentation Technology Research

Resource Person: Dr. PRASAD ERNALA, Sr. Scientist / Technology specialist, Fermentation Technology Development Center, Dr. Reddys Laboratories-Hyderabad

Scope covered:

- *What is fermentation- Redefine*
- *Ideas and advancements in Fermentation technology*
- *Evolution and need for nano-biotechnology*
- *Bioscience v/s Bio-Business*

Outcome:

- *Students could understand the real definition of fermentation and latest innovation in the field*
- *Students had exposed the real-time Ideas and advancements in Fermentation technology*
- *Students could realize the future aspects of nano-biotechnology and its applications in various interdisciplinary fields*
- *Students understood the roles of Bioscience in Bio-Business*

Number of students and faculty attended:

Students: 150 ; Faculties: 13

Photographs:

EVENT-2

Paper Presentation

Theme of the activity: **Innovation trends in Biotechnology**

Scope covered:

Food Biotechnology, Nano Biotechnology, Plant Biotechnology, Algal Biotechnology, Animal Biotechnology, Environmental Biotechnology

Outcome:

- *Students understand the need and apply knowledge of Biotechnology to solve problems in the areas of Medicine, Agriculture, Fermentation technology, Food processing and Environment, and develop entrepreneurial ideas.*
- *Ability to present their project work through written, oral, and visual presentations.*
- *Exhibit an ability to work independently and collaboratively.*

Number of students and faculty attended:

Students: 54 ; Faculties: 5

Photographs:

EVENT-3

Poster Presentation

Theme of the activity: **Innovation trends in Biotechnology**

Scope covered:

Food Biotechnology, Nano Biotechnology, Plant Biotechnology, Algal Biotechnology, Animal Biotechnology, Environmental Biotechnology

Outcome:

- *Students could apply the Biotechnology concepts to solve problems in the Agriculture, Fermentation technology, Food processing and Environment, and develop entrepreneurial ideas.*
- *Students got the chance to present their project work through pictorial presentations.*
- *Exhibit an ability to work independently and collaboratively.*
- *Get an exposure in current scientific literature pertaining to Biotechnology*

Number of students and faculty attended:

Students: 11 ; Faculties: 4

Photographs:

EVENT-4

Bio-Quiz

Theme of the activity: Application and Innovation in Biotechnology

Scope covered: *Food Biotechnology, Nano Biotechnology, Plant Biotechnology, Algal Biotechnology, Animal Biotechnology, Environmental Biotechnology*

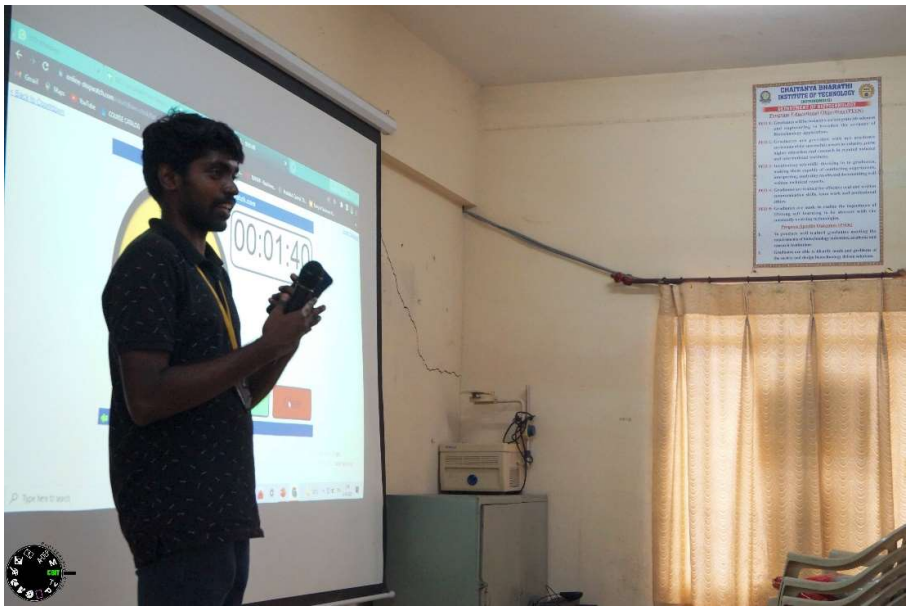
Outcome:

- *Since questions are based out-of-syllabus and require critical thinking and extensive research, students get into the habit of innovative learning from an early age*
- *Students need to form teams while participating in quizzes, giving them an opportunity to hone their teamwork skills*
- *Gain knowledge, seek opportunities to excel beyond academics and secure their future*

Number of students and faculty attended:

Students: 10 ; Faculties: 2

Photographs:



EVENT-5

Debate

Theme of the activity: Application and Innovation in Biotechnology

Scope covered: *Food Biotechnology, Nano Biotechnology, Plant Biotechnology, Algal Biotechnology, Animal Biotechnology, Environmental Biotechnology*

Outcome:

- *Enhance the competences of critical thinking, problem solving, communication skills and cooperation skills of the students*

- *Perspective of seeing a particular topic of discussion in Biotechnology as both advantageous and disadvantageous*

Number of students and faculty attended:

Students: 04 ; Faculties: 2

EVENT-6

Bio-Hackathon

Theme of the activity: Biotechnology for the Society

Scope covered: Food Biotechnology, Nano Biotechnology, Plant Biotechnology, Algal Biotechnology, Animal Biotechnology, Environmental Biotechnology

Outcome:

- *Challenged to solve a real problem in limited amount of time, the constraint of time helps you think of creative solutions*
- *Students can get validation on ideas that comes up to you from variety of people (if you have plan to ever become an entrepreneur)*

Number of students and faculty attended:

Students: 06; Faculties: 1

Photographs:

EVENT-7

Live Projects

Theme of the activity: Application, Innovation, and Product development in Biotechnology

Scope covered: *Food Biotechnology, Nano Biotechnology, Plant Biotechnology, Algal Biotechnology, Animal Biotechnology, Environmental Biotechnology*

Outcome:

- *Demonstrate proficiency in basic laboratory skills like preparation of solutions and culture media, handling of equipment, aseptic techniques, micropipetting*
- *Perform, and analyze results of experiments using basic laboratory techniques in molecular biology*

Number of students and faculty attended:

Students: 32; Faculties: 6

Photographs: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43
years
presents
SUDHEE - 2022
partment of Biotechnology