



BIOTECHNOLOGY OPEN HOUSE PROGRAM

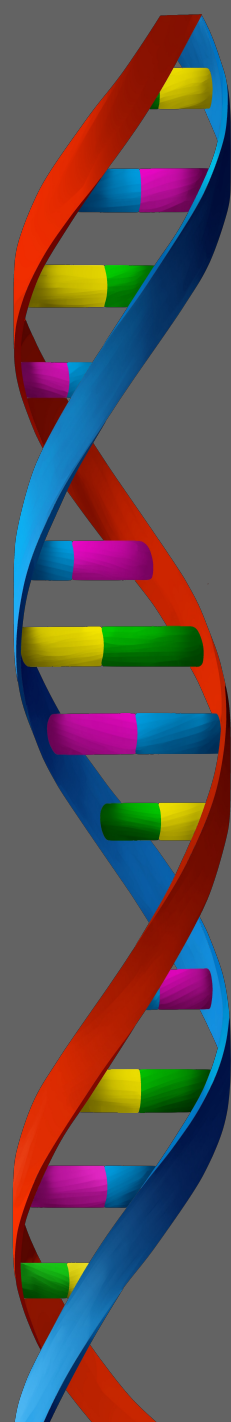
University School of Biotechnology organized a *Biotechnology Open House* for school children on 20th -21st December 2022 as part of Silver Jubilee celebrations of the University. This event was supported by the National Academy of Sciences-Delhi Chapter and the IPU-Innovation and Incubation Foundation. The aim of hosting this event was to expose the high school students to the latest trends in diverse fields of Biotechnology. Over 60 students from classes 10th -12th from **Sri Venkateshwar International School, St. Gregorios School, Delhi International School Edge and Paramount International School** attended the event. Students were given informative lectures on cutting-edge research in the fields of Plant and Animal sciences, Microbiology and Bioinformatics. A campus tour was given by B.Tech./M.Tech. students to showcase landmark facilities in the campus such as the Atal Incubation Centre, Greenhouse, Library, Sewage Treatment Plant and Biowaste Disposal Facility. After a relaxing lunch in campus lawns children and teachers visited Biotechnology research labs and interacted with research scholars. They attended hands-on-training sessions and scientific demonstrations in the fields of Moss Epigenomics, Yeast Biology, Cancer Biology, Virology, Proteomics and Cell Biology. At the end of the day-long program teachers were felicitated and students were given Participation Certificates by Dean USBT. Students and teachers were highly impressed and found the event extremely informative. Feedback from students and teachers showed majority found the program “Excellent” and more than 75% of the students said they may consider taking up Biotechnology as their career option.



University School of Biotechnology



Prof. Meenu Kapoor
Dean USBT





UNIVERSITY SCHOOL OF BIOTECHNOLOGY
Guru Gobind Singh Indraprastha University
Sector-16C, Dwarka, New Delhi-110078

BIOTECHNOLOGY OPEN HOUSE

Supported by:
National Academy of Sciences
Delhi Chapter
&
IPU Innovation and Incubation
Foundation

December 20-21, 2022; 9:30 AM – 5 PM

Program:

- Interaction with Professors
- Talks on Current Science
- Walk Around the Campus
- Hands-on Training in:
 - Genomics
 - Proteomics
 - Animal Biotechnology
 - Plant Biotechnology
 - Cell & Microbiology
 - Bioinformatics



FACULTY COORDINATORS
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Dr. Namrata Yadav

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PROGRAM SCHEDULE

BIOTECHNOLOGY OPEN HOUSE

Venue: E-Block Auditorium
20-21 December 2022

Morning Session

- 9:30 - Registration (E Block Auditorium)
Tea & snacks
Kulgeet
- 9:45 - Welcome Address by Dean
- 10:00 - Talk by Prof. N. Raghuram
- 10:30 - Talk by Prof. Ranjith Kumar CT
- 11:00 - Talk by Dr. Sudeep Kumar
- 11:30 - Walk around the Campus
- 13:00 - Lunch

Afternoon Session

- 14:00 - Cell Biology & Plant Biotechnology Lab
- 14:30 - Proteomics Lab
- 15:00 - Moss Epigenomic & Functional Genomics Lab
- 15:30 - Animal Biotechnology Lab
- 16:00 - Bioinformatics (E Block Auditorium)
- 17:00 - Valedictory and Feedback
(E Block Auditorium) followed by Tea



Guru Gobind Singh
Indraprastha
University



GURU GOBIND SINGH
INDRAPRASTHA UNIVERSITY
NEW DELHI

IPU INNOVATION & INCUBATION FOUNDATION
(IPU-IF)

(CIN: U80300DL2021NPL390329)

- The IPU Innovation & Incubation Foundation (IPU-IF) is set up as **Not for Profit Section 8 Company**.
- The foundation is focused at **promoting and enabling Research & Development (R&D), Innovation and Incubation activities** in the Guru Gobind Singh Indraprastha University (GGSIPU) by **creating internally and externally integrated ecosystem**.

The Objectives of IPU Innovation & Incubation Foundation (IPU-IF) are to:

- Provide **360 degree incubation support** for new, promising and innovative technology based start-ups/companies in the areas of IT/ITES, Clean Technology, Renewable Energy, Education, Health, Hygiene, Sanitation, Environment, Waste Management, Agriculture and Food Technology, Pharma, Biotechnology, Electronics and Telecommunication, Cyber Security, Social Innovation etc.;
- Create an **enabling environment for nurturing the impactful ideas into commercialisable innovative products, technologies, services and SAT based solutions** - which can **benefit the society** and **foster synergy** between industry and academia on one hand and with the National Laboratories and IITs on another hand;
- Make available incubates **translational research facilities**, incubation facilities, and to undertake R&D activities for incubating entrepreneurial mind set, skills and expertise in an end to end manner;
- Develop and **scale up ideas (beyond proof of concept, prototypes, products, technologies)** from the University faculty or those moved from them;
- **Accept endowment funds/CSR funds and Grants** from the registered individuals/firms/Company/Ministry for meeting the objectives;
- Connect seamlessly with the National and International innovation system and technology and business incubators in particular;
- Organise resources and services to entrepreneurs, including working space and office, technical expertise, management, mentoring, assistance in completing an effective business plan, shared administrative services, technical support, business networking, advice on intellectual property, endowments of financing, markets as well as start admission and exit rules;
- Arrange **cost effective, value added services**, administrative support, office equipment, potential investors and training the new organization and facilitate knowledge creation, innovation and entrepreneurship activities;
- Identify technologies/innovations which have **potential for commercial ventures** and incubating early stage technology based innovative entrepreneurial ventures;
- Build the physical infrastructure and support systems for business incubation activities and promote entrepreneurship spirit; and
- Facilitate formation of a **collaborative environment between industry and academia** by developing and operationalising joint research projects and consulting assignments.

Interaction With Professors



Visit to Research/Teaching Labs



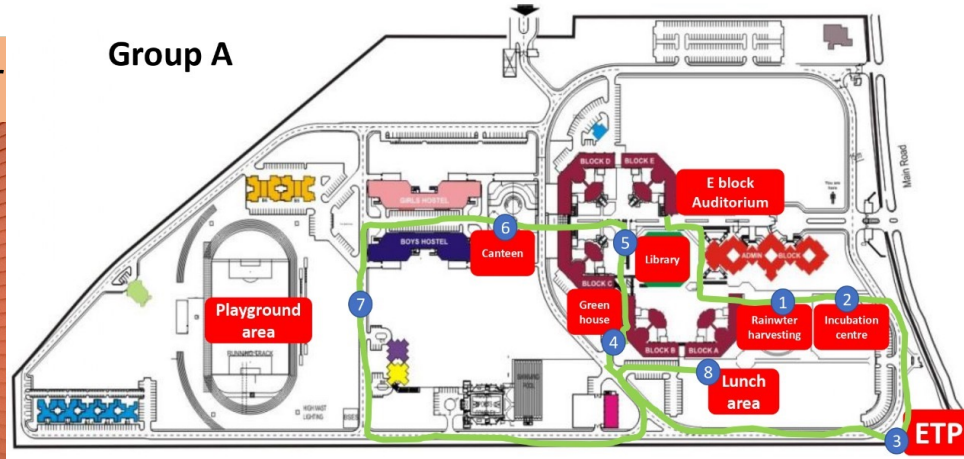


Campus Tour

Atal Incubation Center



Group A



Sewage Treatment Plant



Green house



Rain water harvesting



Felicitations



Amazing Volunteers



Students



Non-teaching staff

Program Coordinators



Sayan Chatterjee



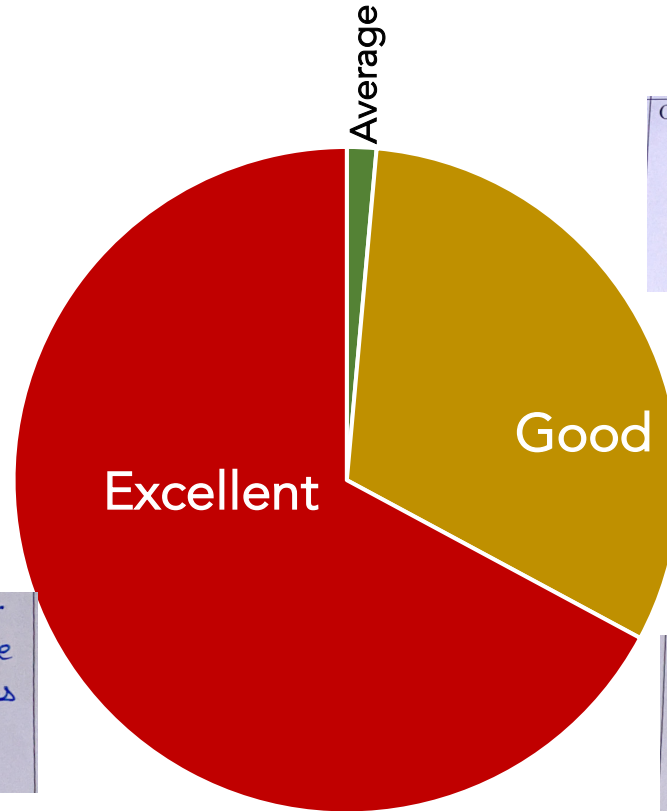
Dr. Ram Singh Purty



Dr. Namrata Yadav

Feed back

7	Opinion about GGSIPU & USBT: Great exposure to the students. The labs are excellent. wonderful experience to visit all the labs.			
8	Overall experience of Open House	Average	Good	Excellent ✓
Any other feedback: Great experience. looking forward for more such programs.				



Opinion about GGSIPU & USBT:
Different labs and visionaries promote BioTech. And motivate children to take Biotech as Career. Very Beautiful Campus!! ✓

Opinion about GGSIPU & USBT: it was a great experience to visit the labs and to interact with the professors. for me the most interesting lecture was the last one That was really interactive. In future I would like to attend such events in future.

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Opinion about GGSIPU & USBT:
Its a very good and considerable career option. Also to know more about this was a pleasure and sorted many things for future.

Opinion about GGSIPU & USBT: It was a great experience to visit the labs and have a one on one interaction with the professors as well as the students. It was interesting to look science closer.