



An Autonomous Institute - Affiliated to Anna University Chennai  
# 1, Pennalur, Sriperumbudur Tk. Tamil Nadu 602117

## **DEPARTMENT OF BIOTECHNOLOGY**

### **REPORT ON**

# **“SVCE PATHWAYS - BIOTECHNOLOGY: EXPLORE THE TECHNOLOGY THAT TRANSFORMS LIVES”**

**22<sup>nd</sup> JUNE 2023**

## SVCE PATHWAYS

### Biotechnology: Explore the Technology that Transforms Lives

22<sup>nd</sup> JUNE 2023

### PROGRAM BROCHURE

SVCE  
Presents

# PATHWAYS



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A webinar on opportunities in Biotechnology

## Biotechnology: Explore the technology that transforms lives



**Prof. E Nakkeeran**  
Professor & Head  
Department of Biotechnology, SVCE



**Dr. K H Vishwanathan**  
Principal Scientist  
Himalaya Wellness Company, Bengaluru



**Dr. P A Balakumaran**  
Scientist Microbial Processes and Technology  
Division CSIR-NIIST, Thiruvananthapuram



**Dr. Rajeshwar Nitiyanandan**  
Cancer Research Scientist  
SageMedic Corporation, USA  
(Class of 2007 - 2011)



**Ms. T Ramashree**  
Research Engineer, Saint-Gobain India  
Pvt. Ltd Chennai (Class of 2011 - 2015)



**Mr. S B Prasanna Kumar**  
Research Associate, Sana Biotechnology Inc  
USA (Class of 2014- 2018)



**Mr. S Nithin Raj**  
Admitted for MS Biotechnology  
University of Illinois, USA  
(Class of 2019 - 2023)



**Mr. K Jhishnuraj**  
Admitted for MS in Biotechnology  
Texas A&M University, USA  
(Class of 2019 - 2023)



<https://meet.google.com/uic-phww-zdt>

Coordinator Details : Dr. K. Ganesh Prasath, Dr. J. Isaivani

22-06-2023

9.30 AM - 11.30 AM

**Register Now**

**DEPARTMENT OF BIOTECHNOLOGY**  
**REPORT ON THE WEBINAR ON “SVCE PATHWAYS -**  
**BIOTECHNOLOGY: EXPLORE THE TECHNOLOGY THAT TRANSFORMS**  
**LIVES”**  
**22<sup>nd</sup> JUNE 2023**

The webinar on “SVCE Pathways - Biotechnology: Explores the Technology that Transforms Lives” was organized on 22<sup>nd</sup> June 2023 by the Department of Biotechnology at Sri Venkateswara College of Engineering, Sriperumbudur through Google Meet platform for higher secondary school children and parents. This webinar included a series of talks from scientific industry experts, academicians, and alumni from the Department of Biotechnology, SVCE. Nearly 8 participants (school children and parents) had registered and actively participated in the webinar.

The inaugural function for the webinar started at 09.30 AM followed by the welcome address given by Prof. E. Nakkeeran, Head of the Biotechnology Department, SVCE. Prof. E. Nakkeeran welcomed the students with a warm note of congratulation for their success in their board exams. He also welcomed the parents, invited speakers and alumni present in the meeting. This was followed by the interactive session from our expert speakers:

1. Dr. K.H. Vishwanathan, Principal Scientist, Himalaya Wellness Company, Bengaluru briefly talked about the various career opportunities and importance of a Biotechnologist in multidisciplinary perspectives. He also briefed about the opportunities and expectations from the industrial point of view.
2. Dr. P A Balakumaran, Scientist, CSIR-NIIST, Trivandrum briefed about the passion, life-long learning and collaborative aspects that are crucial for high level research.

This was followed by the interactive session by our alumni members:

1. Mr. Prasanna Kumar (2014-2018 Batch), who is currently employed at Sana Biotechnology, USA after pursuing his MS in Medical Biotechnology from the University of Illinois, USA.
2. Dr. Rajeshwar Nitiyanandan (2007–2011 Batch), who is currently employed at Cancer Research Scientist, SageMedic Corporation, USA.
3. Ms. T. Ramashree (2011- 2015 Batch), who is currently employed at Research Engineer, Saint-Gobain India Pvt. Ltd, Chennai
4. Mr. S. Nithin Raj (Class of 2019 - 2023), Admitted for MS Biotechnology, University of Illinois, USA.
5. Mr. K. Jhishnuraj (Class of 2019– 2023), Admitted for MS in Biotechnology, Texas A&M University, USA.

The alumni members shared their interesting stories about their life at Biotechnology department, SVCE during the 4-year period of study. They also expressed their views on the inclined prospects of Biotechnology industry on post- pandemic scenario. The alumni also shared their stories of how they got their admission into premier institutes around the globe.

At the end of the session, Prof. E. Nakkeeran gave a presentation about the Biotechnology Department, SVCE. He talked about the milestone, vision, and mission of the department. He also talked about the various project grants received from external funding agencies, fellowships and schemes that are currently undergoing in the department, recognition from accreditation agencies as well as various achievements by the faculties and students of the Biotechnology Department. He also talked about the enhanced infrastructure of the department to conduct cutting edge research. He also talked about the outcome of the department, placement and higher studies statistical data for the last 7 years. He talked about previous batch GATE cleared students from the department, various recruiters, and list of universities in which the students have got admission. He also briefed about the various co-curricular and extra-curricular activities that the students participate in during their 5-year period at the Department of Biotechnology,SVCE. He also briefly explained the foremost features of curriculum from 2022 Regulation (R2022). He concluded his talk by briefing about the uniqueness of the department in terms of various infrastructural components and facilities available. This was followed by “Question and Answer session” for the students as well as the parents who were present in the meeting. The queries / clarifications raised by the parents and students were addressed by the expert speakers, the Head of the Department, as well as the alumni members. The Head of the Department, Prof. E. Nakkeeran also answered the queries related to admission procedure for getting into the Department of Biotechnology, SVCE.

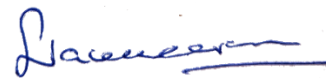
The entire participants were happy about the conduction of “SVCE Pathways - Biotechnology: Explores the Technology that Transforms Lives” which they shared in the form of feedback. The webinar concluded with the vote of thanks by Prof. E. Nakkeeran, Head of the Biotechnology department, SVCE by thanking the guest speakers, alumni, coordinators, Dr. K. Ganesh Prasath and Dr. J. Isaivani and the management for their support in conducting this program successfully. The program ended at 11.15 AM.

**Dr. Ganesh Prasath K**

**Dr. Isaivani J**  
(Coordinators)





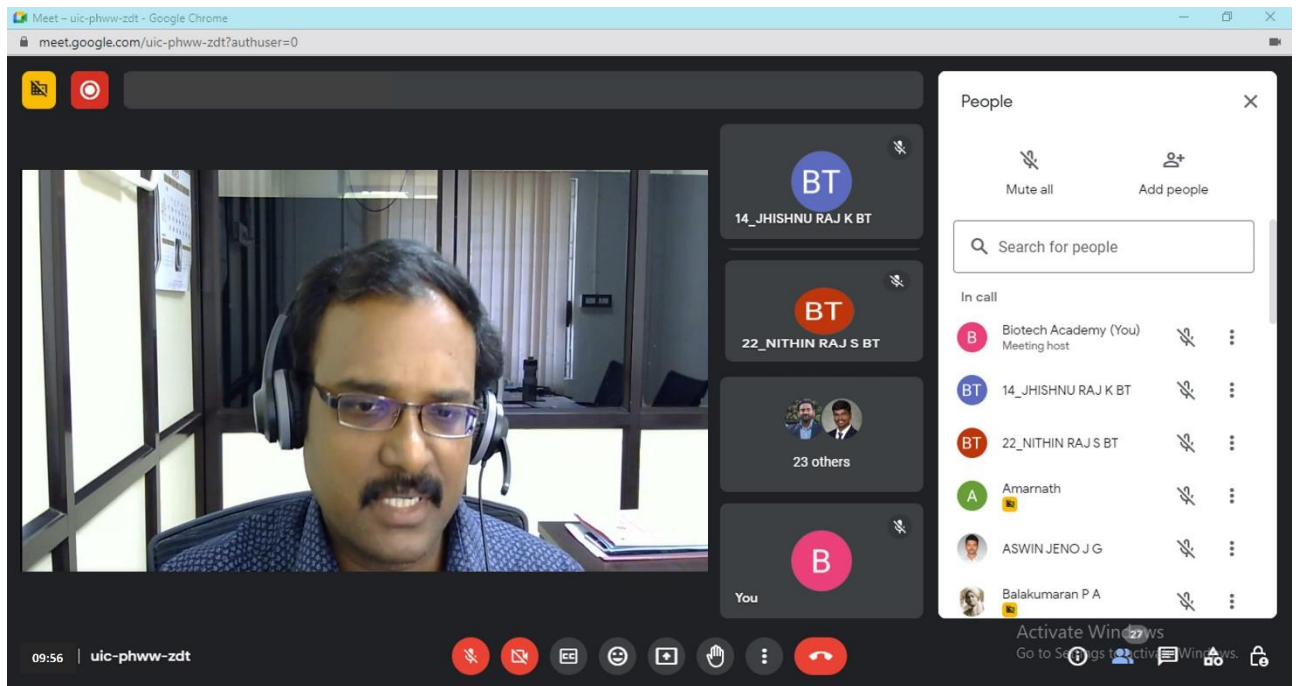
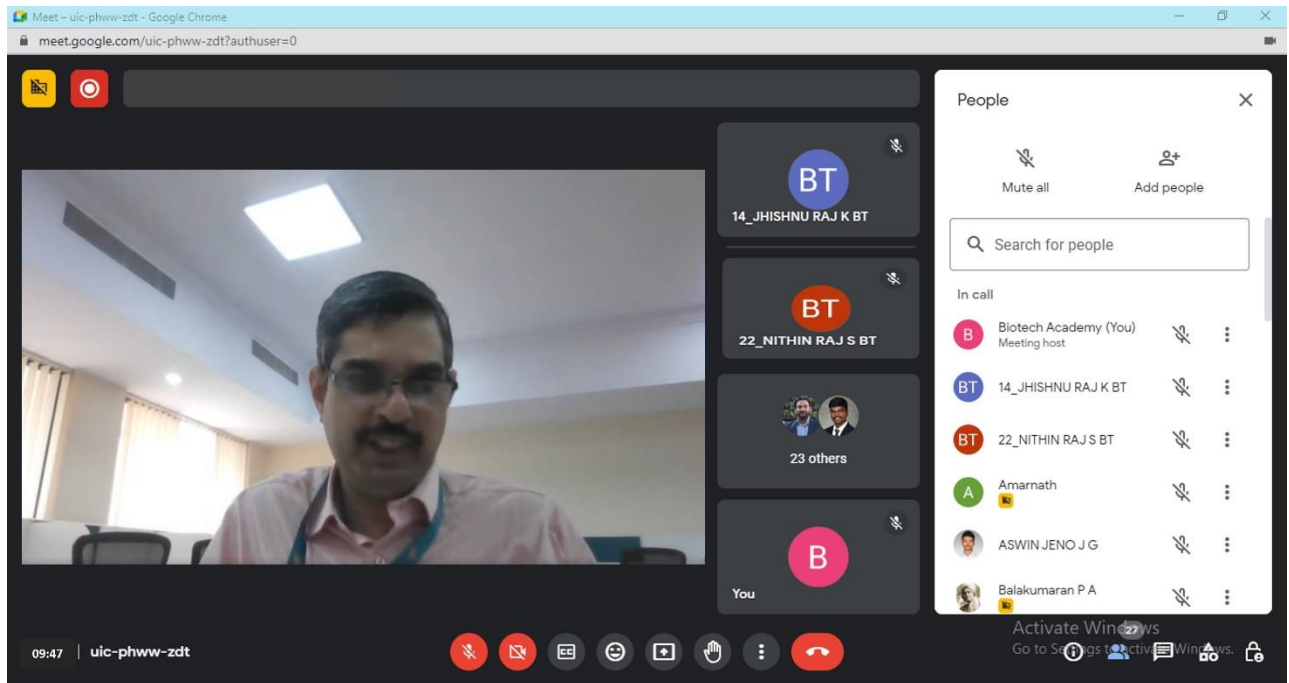


**Prof. Nakkeeran E**

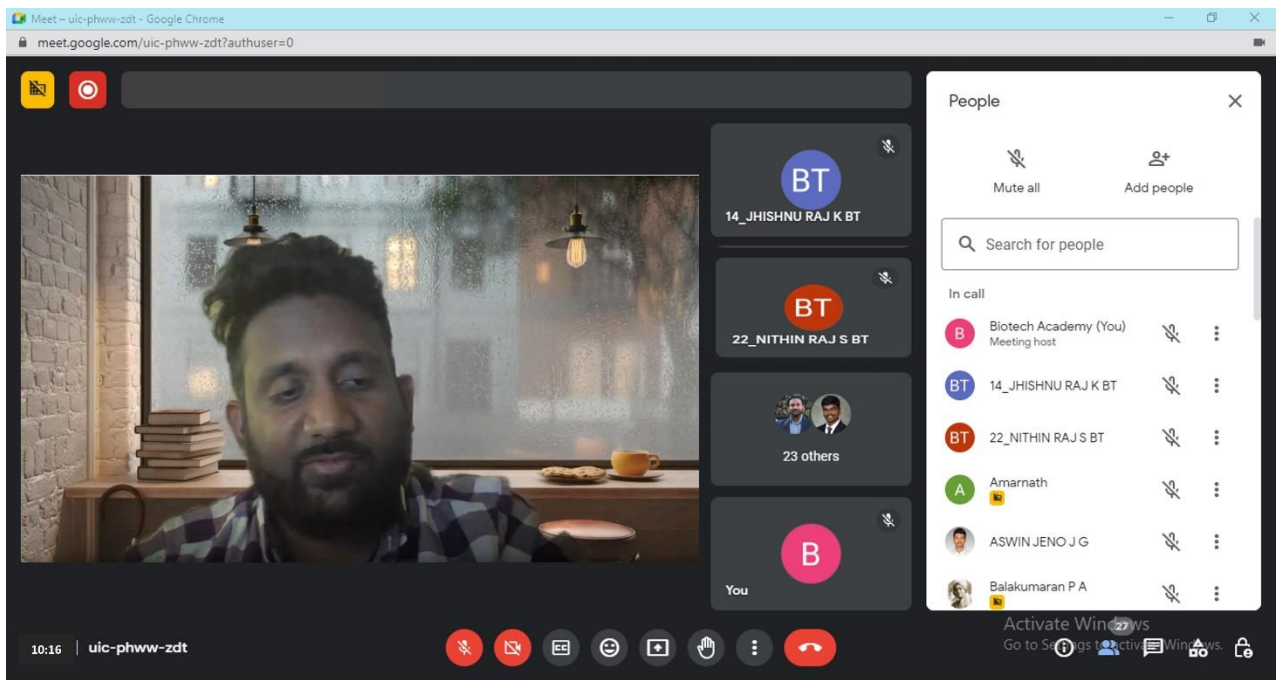
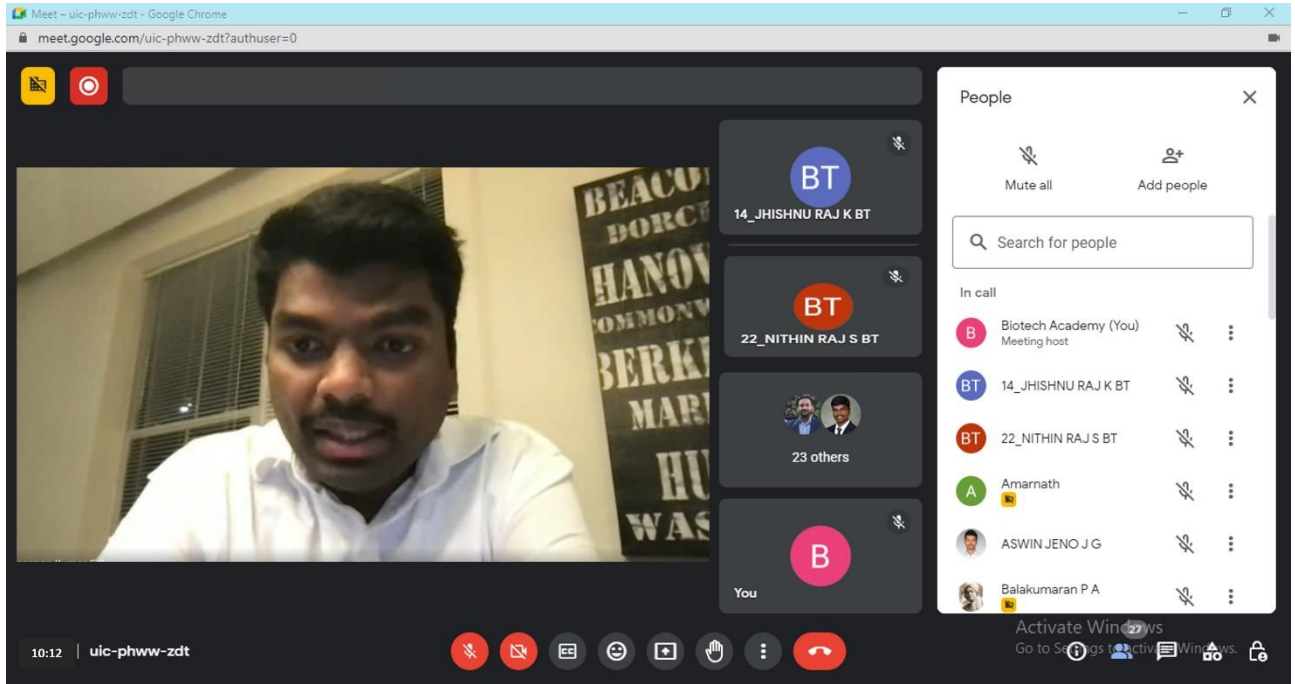
**Head of the Department**

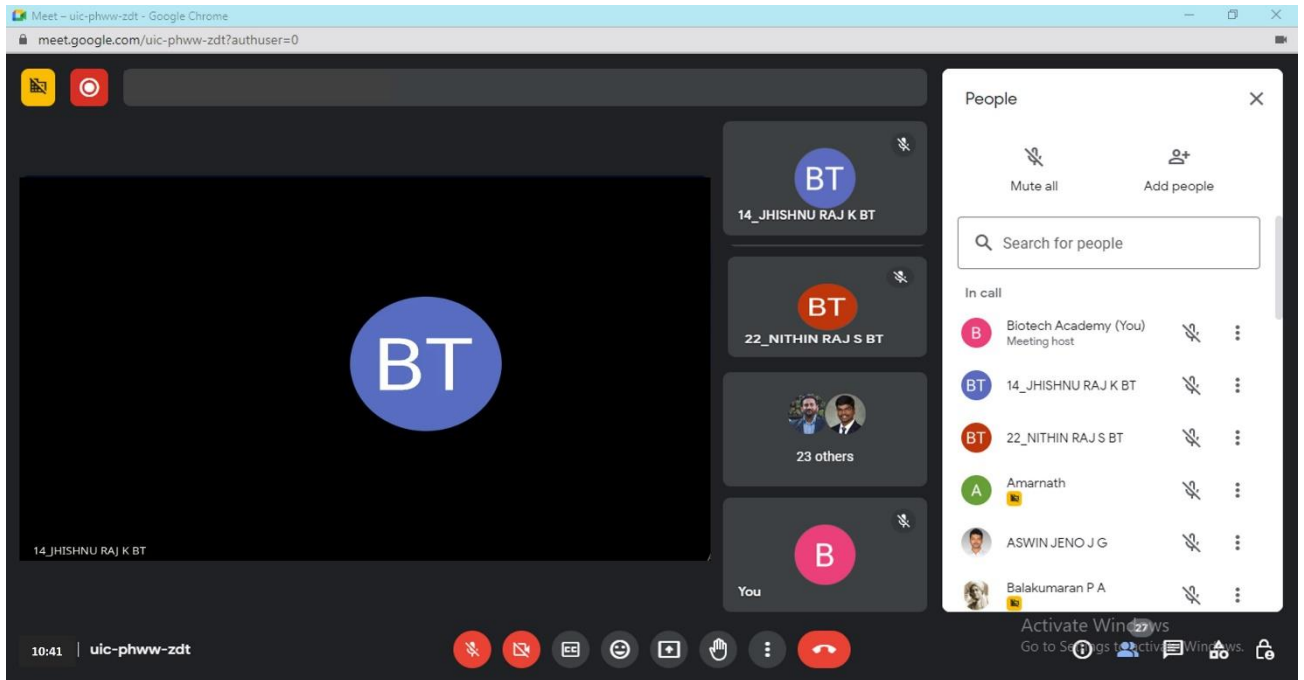
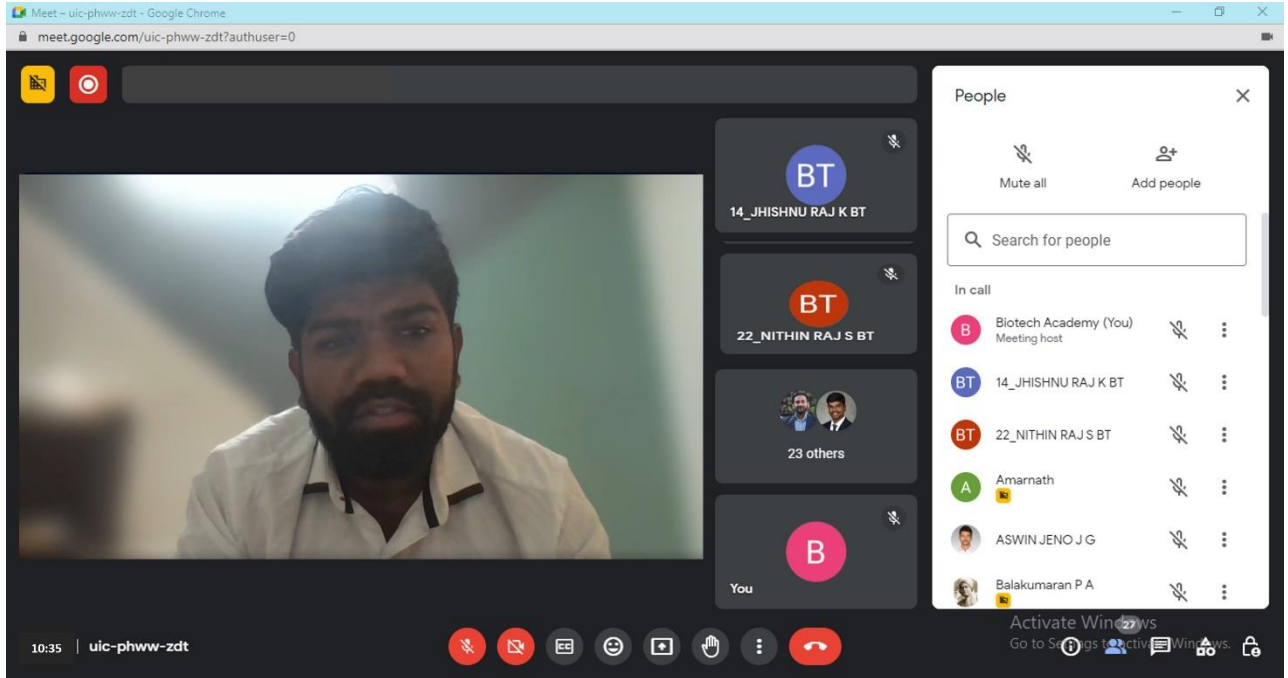
Prof. E. NAKKEERAN, M.Tech., Ph.D.  
Professor & Head  
Department of Biotechnology  
Sri Venkateswara College of Engineering  
Sriperumbudur Tk - 602 117, Tamilnadu, INDIA

## Screenshots captured during the event







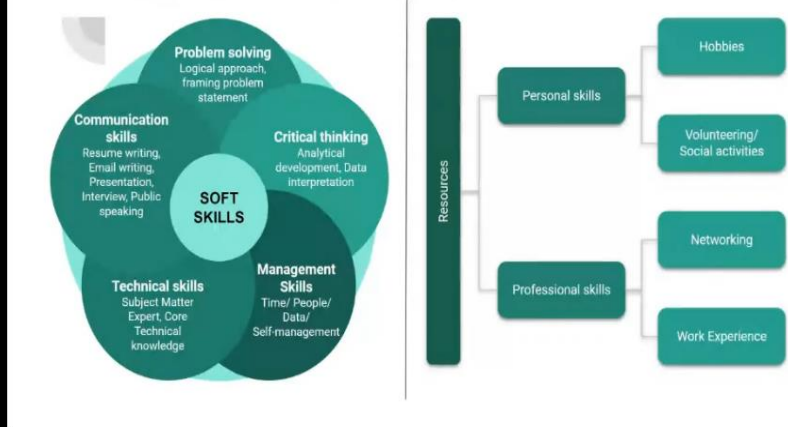


## Career paths in the field of Biotechnology



Ramashree Saienath

## General Skill development: What and How?



Ramashree Saienath



Meet - uic-phww-zdt - Google Chrome  
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HoD-BIO is presenting

## Uniqueness of the Department

- CCSEA approved animal house facility
- Wave Bioreactor - unique equipment available in TN
- Tissue culture facility & *In-situ* fermenter
- Computational Systems Biotechnology Lab - Softwares worth of Rs. 25 lakhs
- Good infrastructure with sophisticated equipment
- MS (By Research), CSIR – SRF, N-PDF.

10:58 | uic-phww-zdt

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Meet - uic-phww-zdt - Google Chrome  
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HoD-BIO is presenting

## Biotechnology Department

**Faculty:** Experienced talented faculty members (71% PhD, 29% Pursuing PhD) with diversified specialization of biotechnology research.

**Facility:** Department has well equipped laboratories, Digital library with Sciencedirect & IEEE journal access.

**Digital mode:** Video Lectures, Online classes, discussion forum, evaluation, etc

**Projects:** Received from industries & Govt. agencies like DBT, SERB, ICMR, AICTE, MSME, CTS, DST-FIST (Total = ~ 200 lakhs)

**Fellowships:** INSA, CSIR, INAE award, CSIR-SRF, SERB-NPDF, Institute Research Fellow

**Recognition:** NBA Accredited, Autohomous - CBCS, Recognized as research Centre by Anna University Chennai

**Output:** B.Tech – 13 batches; M.Tech - 11 batches; MS (by Research) - 2; PhD - 8, N-PDF - 1; Placement & Higher studies - 95%

Intra & Extramural Student Grants, Patents, Publications, Intern at Cornell & NUS, international repunte iGEM, MIT Boston, USA

10:58 | uic-phww-zdt

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In call

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- 22\_NITHIN RAJ S BT
- Amarnath
- ASWIN JENO J G
- Balakumaran P A