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TULSIRAMJI GAIKWAD-PATIL
College of Engineering & Technology
—AN AUTONOMOUS INSTITUTE—

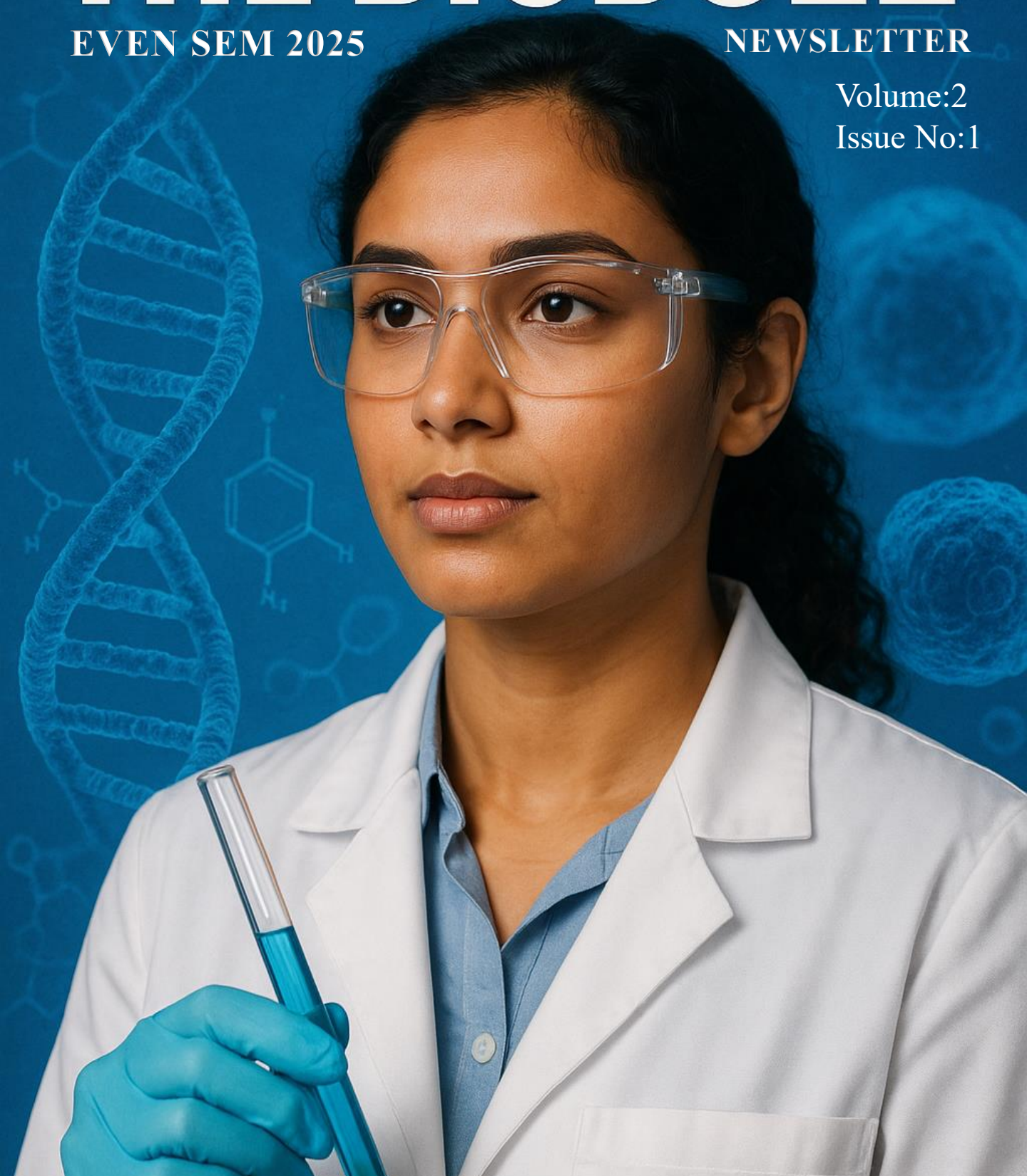
GAIKWAD-PATIL
GROUP OF INSTITUTIONS

THE BIOBUZZ

EVEN SEM 2025

NEWSLETTER

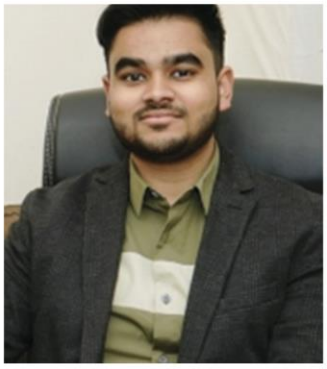
Volume:2
Issue No:1



MESSAGE FROM MANAGEMENT DESK

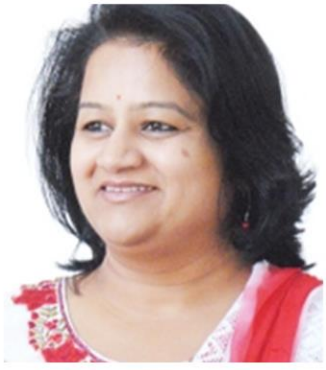
Dr. Mohan Gaikwad Patil
Chairman, GPG

Biotechnology stands at the forefront of innovation, transforming lives through science. We are committed to nurturing talent and fostering research that addresses real-world challenges. Let us strive for excellence and integrity in every experiment and endeavor. Together, we can shape a healthier, more sustainable future.



Mr. Akash Gaikwad Patil
Vice Chairman, GPG

In the era of precision and innovation, biotechnology empowers solutions to global problems. Our institute supports inquisitive minds and ethical research. With dedication and curiosity, let's unlock nature's secrets responsibly. We believe in your potential to make a meaningful impact.



Dr. Anjali Patil Gaikwad
President , GPGI

Biotechnology merges biology and technology to revolutionize healthcare, agriculture, and the environment. At our institution, we encourage curiosity, critical thinking, and collaboration. Pursue your scientific journey with passion and purpose. We are proud to support your aspirations and discoveries.

Dr.Sandeep Gaikwad Patil
Treasurer, GPGI

Biotechnology is more than a discipline—it is a mission to improve life. We applaud your pursuit of knowledge and encourage a spirit of discovery. With strong values and visionary thinking, we can achieve great things. Management wishes you success in all your academic endeavors.

ACADEMIC PATRONS

Dr. P.L. Naktode
Principal

In today's rapidly evolving world, biotechnology stands at the forefront of innovation, offering sustainable solutions to some of the most pressing challenges in healthcare, agriculture, and the environment. Our Department of Biotechnology has consistently demonstrated academic excellence, research innovation, and industry collaboration. The commitment of our faculty to quality education and the enthusiasm of our students towards learning and discovery are truly commendable.

Dr. Pragati Patil
Vice Principal

The Department of Biotechnology has consistently demonstrated excellence in both academics and research. Our faculty members are committed to nurturing innovative thinking and scientific curiosity in students, equipping them to meet the challenges of the 21st century in healthcare, agriculture, environmental sustainability, and industrial biotechnology.With a strong focus on interdisciplinary learning, industry interaction, and hands-on training, the department offers students a well-rounded education that bridges theory and practice.

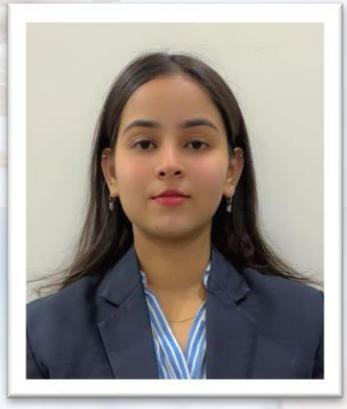
Message from HOD Desk

Dr. Rohit Kalanake

HOD Biotechnology

Welcome to the Department of Biotechnology at Tukaramji Gaikwad Patil College of Engineering. Biotechnology is a dynamic and ever-evolving field that blends biological sciences with engineering technologies to address real-world challenges in healthcare, agriculture, environment, and industry.At our department, we are committed to nurturing inquisitive minds, fostering innovation, and promoting a strong foundation in both theory and practical applications. With a dedicated team of experienced faculty members, state-of-the-art laboratories, and an industry-oriented curriculum, we aim to empower our students with the knowledge and skills required for successful careers and research opportunities.We strongly encourage collaborative learning, interdisciplinary research, and participation in co-curricular and extracurricular activities. Our goal is not just to educate, but to inspire the next generation of biotechnologists to lead with integrity, creativity, and compassion..

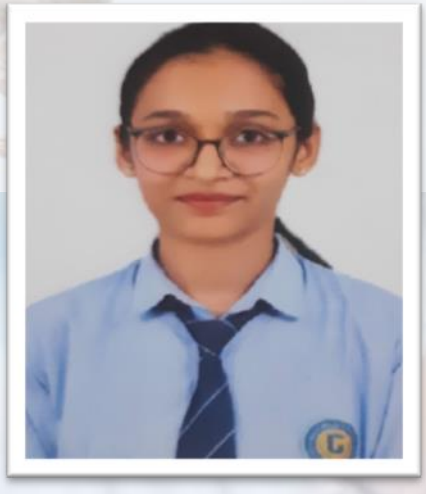
Message from the Editorial Desk



Ms. Sakshi Zade
Chief Editor BT
Department of Biotechnology

Dear Readers, It gives me immense pleasure to present to you the latest edition of our Department of Biotechnology's technical magazine. This issue is a celebration of scientific curiosity, innovation, and the relentless pursuit of knowledge that defines our vibrant academic community. Biotechnology is a field that continues to evolve at a rapid pace, bridging science and technology to solve some of the most pressing challenges in health, agriculture, industry, and the environment. Through this magazine, we aim to showcase the diverse and pioneering work undertaken by our students, researchers, and faculty members. From original research articles and reviews to case studies and interviews, each contribution reflects the intellectual rigor and creative spirit that thrive within our department.This edition also features insights into recent technological advances, thought-provoking opinions, and highlights of departmental achievements. We hope it serves not only as a platform for sharing knowledge but also as an inspiration for aspiring biotechnologists to push the boundaries of science.We express our heartfelt gratitude to all the contributors, reviewers, and editorial team members whose hard work and dedication made this publication possible. We also thank our readers for their continued support and encouragement.

Message from the Student Editorial Desk



Ms. Sonal Borkar
Student Chief Editor
Department Of Biotechnology

It gives us immense pleasure to present the latest edition of our departmental technical magazine, a vibrant canvas that captures the innovative spirit, scientific curiosity, and academic excellence of the Biotechnology Department. This magazine is a reflection of the collective efforts of our budding biotechnologists who continue to explore, question, and contribute to the ever-evolving field of life sciences.Through this platform, we aim to showcase not only technical articles and research insights but also creative expressions that highlight the dynamic role of biotechnology in solving real-world problems. We extend our heartfelt thanks to all contributors, faculty mentors, and peers who made this publication possible. We hope this edition inspires readers to think beyond textbooks and engage deeply with the science that shapes our future.
Happy Reading!

Student Editorial Team
Department of Biotechnology

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Vision

To emerge as a learning Center of Excellence in the National Ethos in domains of Science, Technology, and Management.

Mission

- To strive for rearing standard and stature of the students by practicing high standards of professional ethics , transparency and accountability.
- To provide facilities and services to meet the challenges of Industry and Society.
- To facilitate socially responsive research, innovation and entrepreneurship.
- To ascertain holistic development of the students and staff members by inculcating knowledge and profession as work practices.

Vision of the Department

To produce competent Scientists, Technologists, Entrepreneurs and Researchers in Biotechnology through quality education.

Mission of the Department

- Impart quality technical education and unique interdisciplinary experiences
- Undertake interdisciplinary research merging science and technology
- Shape biotechnological development under an ethical vision
- Inculcate professional responsibility based on social responsibilities

Program Specific Outcomes

Graduates will be able to

PSO 1: Ability to apply the acquired knowledge and recent techniques to come up with ideas in the domains of Bioprocess Engineering, Bioinformatics and Biopharmaceuticals.

PSO 2: Ability to utilize their proficiency and skills in solving real life problems in Diagnostics Genetic Engineering and Fermentation Technology using recent technologies.

PSO 3: Analyzing the impact of Biotechnology Engineering solutions in the societal and human context to create productive human resource for the country.

Program Outcomes

1.Engineering knowledge: Apply the knowledge of mathematics, science, engineering fundamentals, and an engineering specialization to the solution of complex engineering problems.

2.Problem analysis: Identify, formulate, review research literature, and analyze complex engineering problems reaching substantiated conclusions using first principles of mathematics, natural sciences, and engineering sciences.

3.Design/development of solutions: Design solutions for complex engineering problems and design system components or processes that meet the specified needs with appropriate consideration for the public health and safety, and the cultural, societal, and environmental considerations.

4.Conduct investigations of complex problems: Use research based knowledge and research methods including design of experiments, analysis and interpretation of data, and synthesis of the information to provide valid conclusions.

5.Modern tool usage: Create, select, and apply appropriate techniques, resources, and modern engineering and software tools including prediction and modeling to complex engineering activities with an understanding of the limitations.

6.The engineer and society: Apply reasoning informed by the contextual knowledge to assess societal, health, safety, legal and cultural issues and the consequent responsibilities relevant to the professional engineering practice.

7.Environment and sustainability: Understand the impact of the professional engineering solutions in societal and environmental contexts, and demonstrate the knowledge of, and need for sustainable development.

8.Ethics: Apply ethical principles and commit to professional ethics and responsibilities and norms of the engineering practice.

9.Individual and team work: Function effectively as an individual, and as a member or leader in diverse teams, and in multidisciplinary settings.

10.Communication: Communicate effectively on complex engineering activities with the engineering community and with society at large, such as, being able to comprehend and write effective reports and design documentation, make effective presentations, and give and receive clear instructions.

11.Project management and finance: Demonstrate knowledge and understanding of the engineering and management principles and apply these to one's own work, as a member and leader in a team, to manage projects and in multidisciplinary environments.

12.Life-long learning: Recognize the need for, and have the preparation and ability to engage in independent and lifelong learning in the broadest context of technological change.

About Biotechnology

Biotechnology is a fascinating and rapidly evolving field that combines biology with technology to develop innovative products and solutions for the benefit of society. At its core, biotechnology involves the use of living organisms, cells, and biological systems to create or improve products and processes in areas such as healthcare, agriculture, environment, and industry. From producing life-saving drugs like insulin and vaccines to genetically modifying crops for better yield and resistance, biotechnology touches many aspects of our daily lives. It also plays a key role in environmental conservation by developing biofuels and biodegradable materials and in detecting pollutants through biosensors. One of the most exciting aspects of biotechnology is its potential to address global challenges like food security, climate change, and disease outbreaks. With advances in genetic engineering, stem cell research, and bioinformatics, the possibilities for innovation are expanding rapidly. Biotechnology not only contributes to scientific progress but also opens up new opportunities for sustainable development and improved quality of life. As a multidisciplinary science, it brings together biology, chemistry, physics, mathematics, and engineering, making it a dynamic field for research, education, and career growth. In the coming years, biotechnology is set to transform the future with smarter, safer, and more sustainable technologies.

Faculty Details
Department of Biotechnology

Sr.no	Faculty Name	Qualification
1	Dr. Rohit Kalanake	Ph.D. (Chemical Engineering)
2	Dr. Sapna Lonare	Ph.D. (Biochemistry)
3	Prof. Anup Bagade	M.Tech. (Biotechnology)
4	Prof. Anuradha Khade	M.Sc. (Biotechnology)
5	Prof. Pundalik Sorte	M.Sc. (Microbiology)
6	Prof. Prajakta Arjapure	M.Sc. (Biotechnology)
7	Prof. Soham Deshpande	M.Sc. (Biotechnology)
8	Prof. Sakshi Zade	M.Sc. (Biotechnology)

INDUSTRIAL VISIT

Sr. No.	Industry Name
1	Ankur Seeds Pvt. Ltd., Neri
2	ICAR-CCRI & ICAR-CICR, Nagpur
3	ICAR - Central Citrus Research Institute (CCRI), Nagpur

Ankur Seeds Pvt. Ltd

Aim

The primary aim of the visit was to provide students with practical exposure to modern biotechnological applications in agriculture, including the production of genetically modified (GM) crops, plant tissue culture techniques, and immunological assays.

Objectives of the Visit

The primary objective of the visit was to enhance the students' understanding of the following key areas:

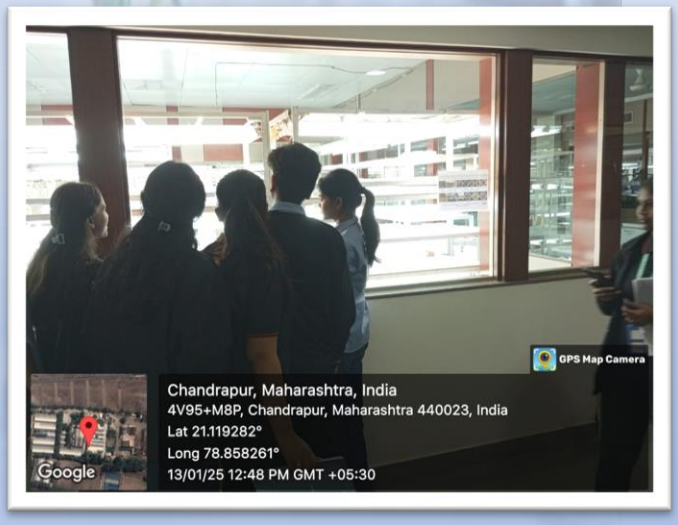
- To provide students with hands-on exposure to advanced biotechnological applications in agriculture, particularly the processes involved in developing genetically modified (GM) crops.
- To introduce students to immunological techniques like ELISA (Enzyme-Linked Immunosorbent Assay) and their applications in crop diagnostics and quality assurance.
- To familiarize students with state-of-the-art plant tissue culture facilities and techniques such as micropropagation and clonal propagation, and their role in sustainable agriculture.

Program Details

The industrial visit to Ankur Seeds Pvt. Ltd., Neri, took place on 13th January 2025, organized for the 4th-semester B.Tech Biotechnology students. The visit, coordinated by Prof. Pundlik Sorte and Dr. Sapna Lonare, aimed to provide practical exposure to agricultural biotechnology.

The program began with a welcome session where Dr. Pravin Kamble, Senior Scientist at Ankur Seeds, introduced the company's contributions to agricultural innovation. He explained the processes involved in developing genetically modified (GM) crops, focusing on the molecular biology techniques used to enhance crop traits like pest resistance and yield.

Our student at Ankur Seeds Pvt. Ltd, Nagpur



PTC Lab at Ankur Seeds

(ICAR-CICR), Nagpur

Aim

The industrial visit aimed to provide students with practical exposure to cutting-edge plant biotechnology techniques used in cotton research

Objectives of the Visit

The primary objective of the visit was to enhance the students' understanding of the following key areas:

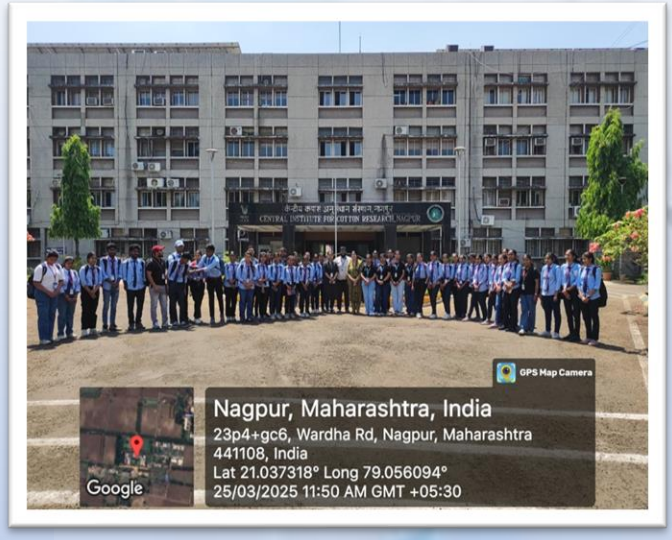
- To expose students to real-world applications of plant biotechnology in agricultural research
- To understand the identification and impact of major cotton pests such as cotton bollworm and pink bollworm.
- To learn about disease detection methods in cotton using molecular techniques like PCR, LAMP, and Sanger sequencing.
- To observe and understand tissue culture techniques and their role in cotton improvement

Program Details

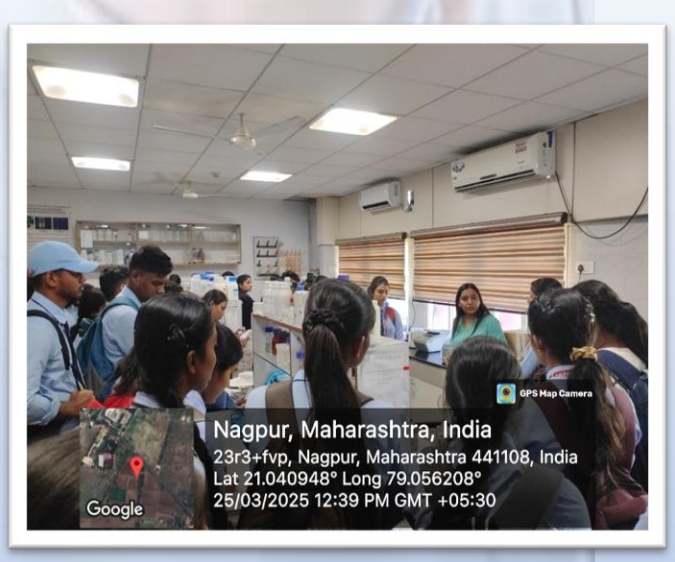
The Industrial Visit to theICAR-Central Institute of Cotton Research (CICR), Nagpur, was conducted on 11th February 2025 for B.Tech. Biotechnology (Third & Final Year) students of TGPCET, Nagpur. During the industrial visit to ICAR-Central Institute of Cotton Research (CICR), students were introduced to several advanced biotechnological techniques and

.

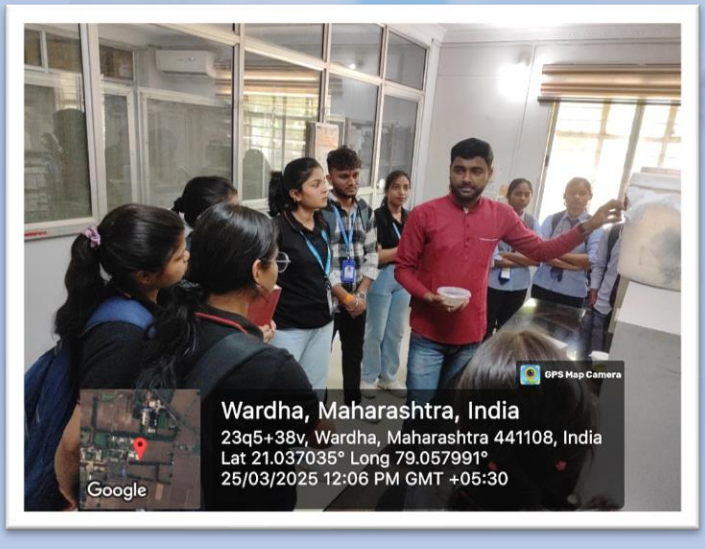
practices. They observed key cotton pests like cotton bollworm and pink bollworm, gaining insight into their biology and impact on crops. Dr. Mithila demonstrated molecular diagnostic tools such as Polymerase Chain Reaction (PCR), Loop-Mediated Isothermal Amplification (LAMP), and Sanger sequencing for detecting diseases in cotton. Dr. Amudha elaborated on genetic transformation techniques using Agrobacterium tumefaciens, explaining the process of gene insertion into plant cells



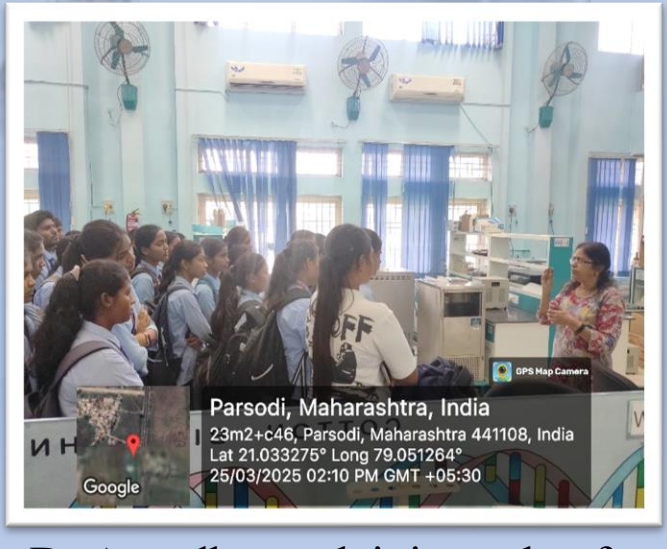
Group photo with CICR scientists



Dr Mithila discussing various types of plant diseases



Students observing live cotton bollworm



Dr Amudha explaining role of Agrobacterium tumefaciens in cloning

ICAR- Central Citrus Research Institute , Nagpur

Aim

The aim of the industrial visit to the Central Citrus Research Institute was to provide students with practical exposure to citrus disease management, tissue culture techniques, and micropropagation for producing disease-free plants. The visit emphasized lab-to-land technology, large-scale plant production, and real-world applications of biotechnology in agriculture

Objectives of the Visit

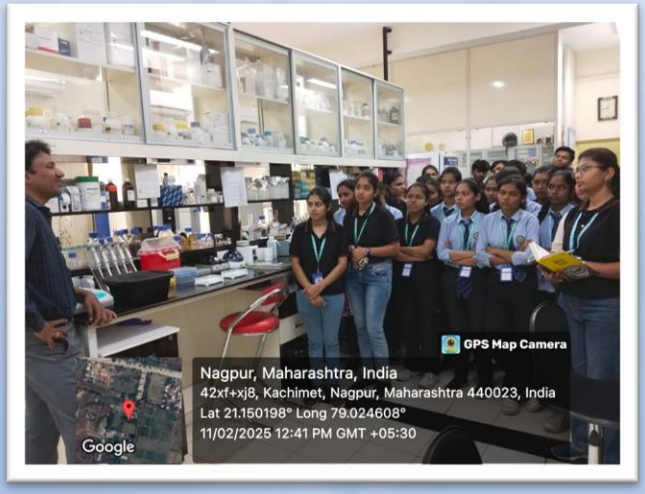
The primary objective of the visit was to enhance the students' understanding of the following key areas:

- To understand emerging threats to citrus crops and explore biotechnological approaches for disease identification and management.
- To learn tissue culture techniques and micropropagation for producing disease-free citrus plant varieties.
- To gain exposure to lab-to-land technology, bridging the gap between research innovations and practical agricultural applications.
- To observe large-scale production of high-quality, virus-free citrus plants and understand the importance of biotechnology in sustainable farming

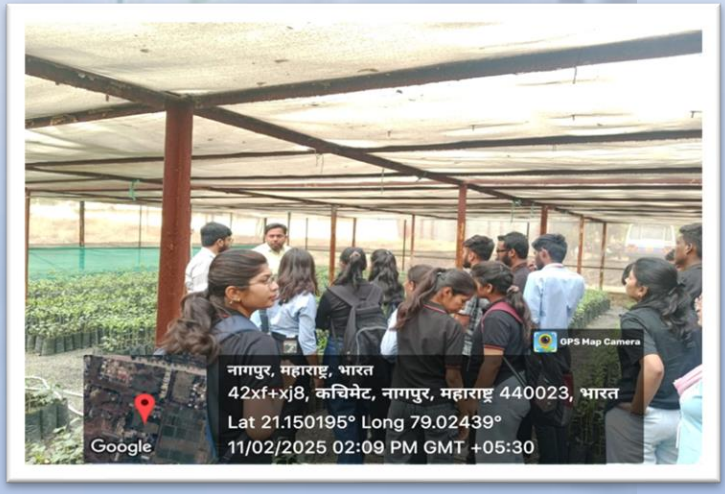
Program Details

The Industrial Visit to the Central Citrus Research Institute (ICAR-CCRI), Nagpur, was conducted on 11th February 2025 for B.Tech. Biotechnology (Third & Final Year) students of TGPCET, Nagpur. The Department of Biotechnology Engineering organized the visit to provide students with practical insights into plant pathology, tissue culture, and citrus disease management.

The visit began with an introduction by Dr. Prashant Tejkumar (Principal Scientist, CCRI), who explained the emerging threats to citrus crops and modern biotechnological approaches to combat plant diseases. He discussed significant citrus diseases such as Citrus Greening Disease (Huanglongbing - HLB), Citrus Canker, Tristeza Virus, and Anthracnose, highlighting their impact on citrus yield and quality



Dr P. Kumar explaining to students about Citrus Crops



Students observing the green greenhouse facility

GEUST LECTURE

Sr.No	Name Of Guest	Topic Of Lecture
1	"3D Printing And Innovative Product Development"	Dr. A. M. Kuthe
2	Recent Trends In Animal Tissue Culture	Dr. Neha Yadav Nath
3	Molecular Biology Techniques	Dr. Sunil Kokane
4	Cotton Biotechnology And Development Of Transgenic Biotechnology	Dr. Rakesh Kumar
5	Guest Lecture On Personality Development	Dr. Pragya Mathur

"3D Printing and Innovative Product Development"

Aim

The guest lecture aimed to introduce students to advanced 3D printing technologies and their applications in product design and innovation.

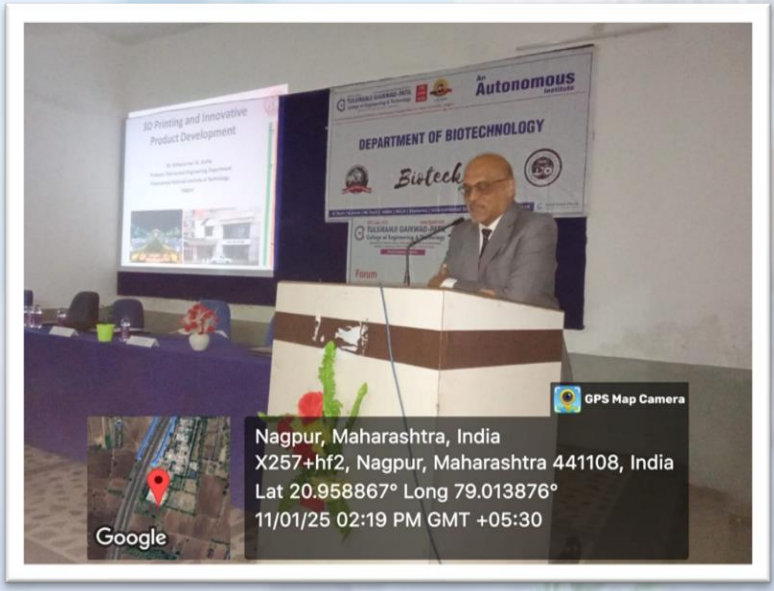
Objective of the Program

- To introduce students to the principles and applications of 3D printing technology in product design and development.
- . To explore the role of 3D printing in innovation, particularly in the fields of medical devices and tissue engineering
- To encourage students to translate their innovations into entrepreneurial ventures, contributing to societal advancement.

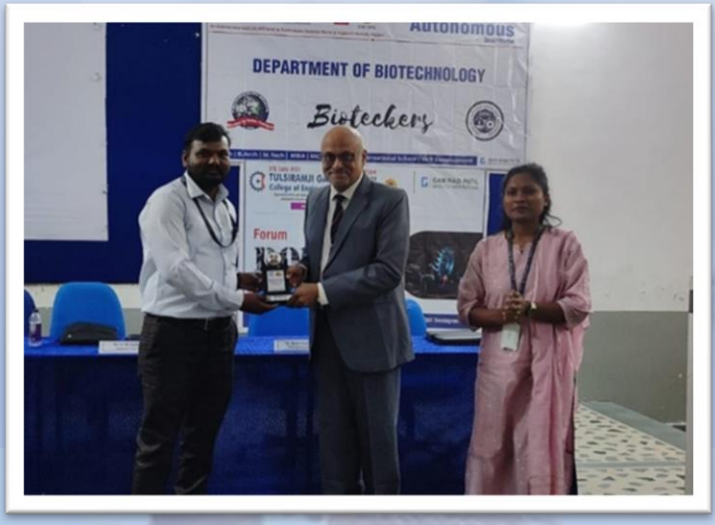
Program Details

The Guest Lecture on "3D Printing and Innovative Product Development" was delivered on 11th January 2025 by Dr. A. M. Kuthe, Professor and Incharge of BETIC, VNIT, Nagpur. Dr. Kuthe emphasized the Need for Product Design and Development and explored Additive Fabrication of Models. He shared various case studies on 3D printing, including a compelling example of fabricating a Temporomandibular Joint (TMJ), which was successfully restored in a patient.

Additionally, he highlighted Innovations in Medical Devices and detailed advancements in Tissue Engineering. Dr. Kuthe also provided guidelines on how student innovations can be transformed into startups, contributing to societal progress and well-being



Dr. A.M. Kuthe delivering the lecture



Dr. Rohit felicitating Dr. AM Kuthe

Group Photo With Students

"3D Printing and Innovative Product Development" on 11th January 2025.

Recent Trends in Animal Tissue Culture

Aim

To provide insights into recent advancements, techniques, and innovations in animal tissue culture.

Objective of the Program

- To introduce students to recent advancements and innovations in animal tissue culture.
- To enhance understanding of different culture media, cell lines, and contamination prevention.
- To familiarize students with modern tools and techniques used in tissue culture research.
- To equip students with essential knowledge and skills for handling and maintaining cell cultures

Program Details

The **Department of Biotechnology** organized a guest lecture on **Recent Trends in Animal Tissue Culture** on *25th January 2025*. The session was delivered by **Dr. Neha Yadav Nath,** Assistant Professor at **CK Thakur College of Arts, Science, and Commerce, New Panvel, Mumbai.** The lecture aimed to introduce students to modern advancements in animal tissue culture and its applications in biotechnology and medical research

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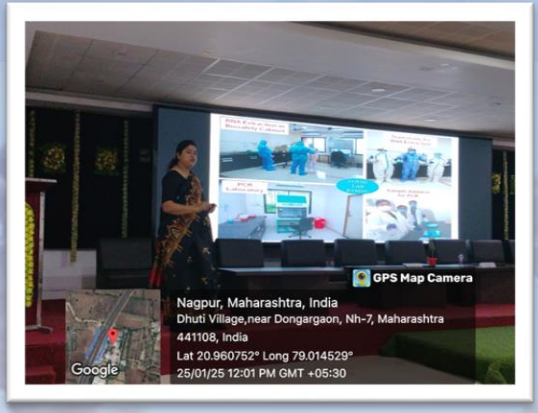


Dr. Neha Yadav Nath delivering lecture

Dr. Neha Yadav Nath with students

Molecular Biology Techniques

Aim

The guest lecture aims to educate students about the structure and function of DNA, alongside the principles and techniques of DNA isolation

Objective of the Program

- To enhance students' understanding of the structure and function of DNA.
- To introduce the principles and techniques involved in DNA isolation.
- To equip students with essential skills for conducting DNA-related experiments in laboratory settings

Program Details

The guest lecture on Molecular Biology Techniques, held on 22nd January 2025, was led by Dr. Sunil Kokane, Product Specialist Molecular Biologist from Himedia. He provided an in-depth understanding of DNA's structure and function, discussing various DNA isolation methods such Phenol-Chloroform Extraction , Silica-based Column Extraction , CTAB (Cetyl Trimethyl Ammonium Bromide) method and their principles

Dr. Sunil Kokane delivering lecture

Lamp lightening

Cotton Biotechnology and Development of Transgenic Biotechnology

Aim

The guest lecture aims to Bt cotton, the role of Agrobacterium tumefaciens in gene transfer, and the function of Cry proteins in insect resistance

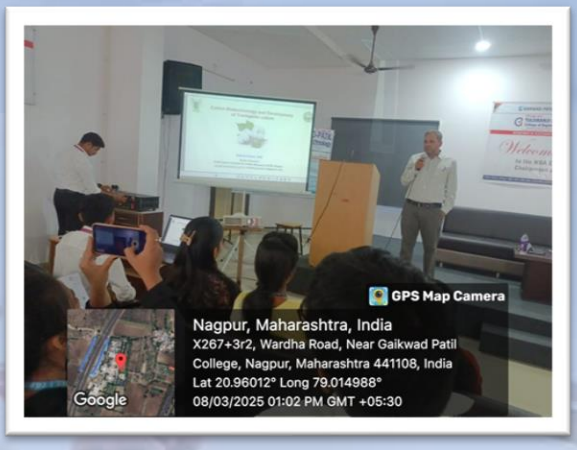
Objective of the Program

- To explain the role of Agrobacterium tumefaciens in gene transfer and its application in developing genetically modified crops.
- To enhance students' understanding of genetic engineering, biotechnology applications, and transgenic crop development.
- To promote awareness of modern biotechnology tools and sustainable agricultural practices

Program Details

The guest lecture on Cotton Biotechnology and Development of Transgenic Biotechnology, held on 8th March 2025, was led by Dr. Rakesh Kumar, Senior Scientist ICAR-CICR. Dr. Rakesh Kumar covered key topics such as the history of Bt cotton, the role of *Agrobacterium tumefaciens* in gene transfer, and the function of Cry proteins in insect resistance

Welcome of Dr. Rakesh Kumar



Dr. Rakesh Kumar delivering lecture

Guest Lecture on Personality Development

Aim

The guest lecture aimed to enhance students' soft skills, including communication skills, confidence, leadership abilities, and overall personality development. It focused on preparing students for professional and personal growth by providing practical insights into the development of essential interpersonal traits.

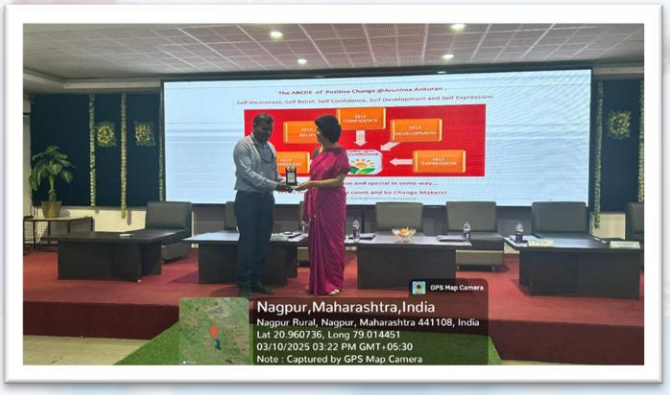
Objectives of the Program

The primary objectives of the session were:

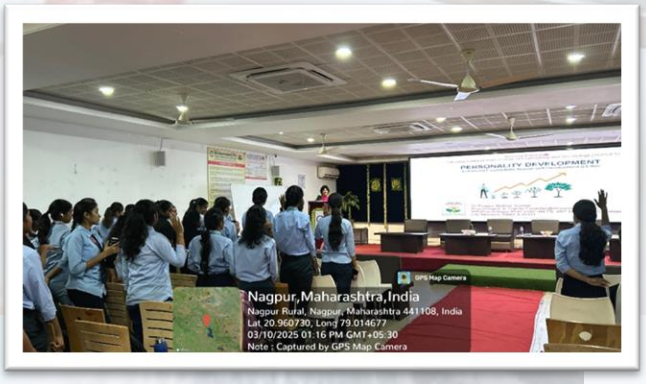
- To develop students' communication and interpersonal skills.
- To inculcate leadership qualities and positive attitudes among students.
- To sensitize students towards the importance of body language and teamwork.
- To enhance self-confidence through practical exposure to real-world scenarios.
- To prepare students for successful professional careers.

Program Details

The Guest Lecture on *Personality Development* was conducted for B.Tech. Biotechnology (Third & Final Year) students at TGPCET, Nagpur. Dr. Pragya Mathur engaged students through various real-life examples, role-plays, and interactive activities that emphasized the significance of communication, leadership, and self-confidence in the workplace



Welcome of Dr. Pragya Mathur

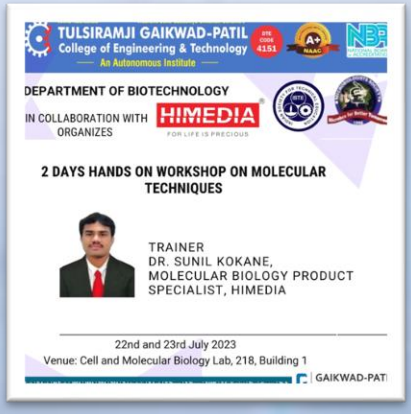


Dr. Pragya Mathur delivering lecture

WORKSHOP

Aim

The guest lecture aims to educate students about the structure and function of DNA, alongside the principles and techniques of DNA isolation



Isolation of DNA

Objective of the Program

- a)To understanding of the structure and function of DNA.
- b)To introduce the principles and techniques involved in DNA isolation.
- c)To equip students with essential skills for conducting DNA-related experiments in laboratory settings

EVENTS

Sr. no	Events
1	Biofusion
2	National science day
3	Farewell

BIOFUSION 2025

Aim:

The aim of **BIOFUSION–2K25** was to promote creativity, innovation, research aptitude, scientific thinking, and technical skills among undergraduate and postgraduate students from multidisciplinary fields like Life Sciences, Biotechnology, Microbiology, Biochemistry, Pharmacy, and Engineering

Objectives of program:

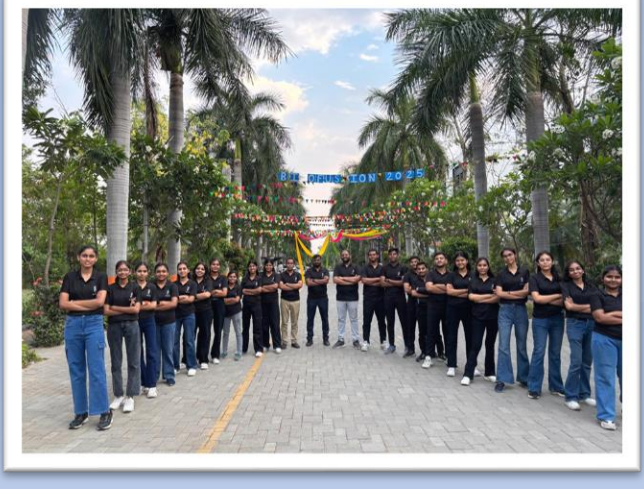
- To cultivate and showcase students' research, innovation, and scientific communication skills.
- To promote interdisciplinary learning through technical competitions.
- To encourage collaboration, critical thinking, and real-world problem-solving among students.
- To bridge academic learning with practical applications through creative competitions.

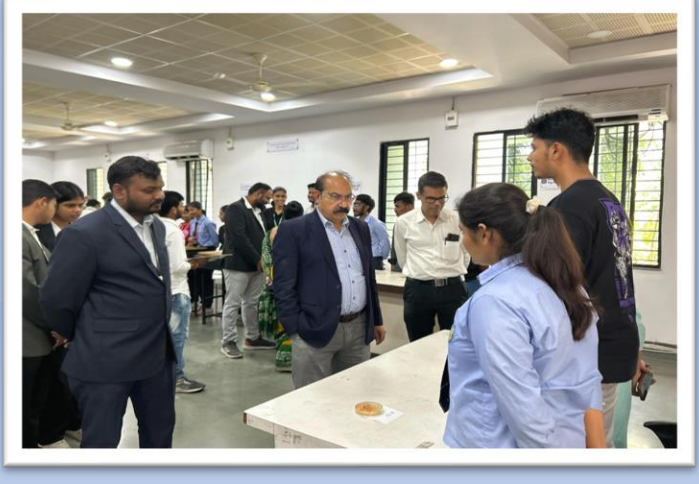
Program details

The **Department of Biotechnology** organized **BIOFUSION–2K25**, a National Level Technical Event, on **18th April 2025** at **TGPCET, Nagpur**. The event attracted UG and PG students from Biotechnology, Life Sciences, Microbiology, Biochemistry, Pharmacy, and Engineering

It commenced with **ceremonial lamp lighting** and a **soulful prayer**. **Dr. Milind Shinkhede**, Vice Principal of Dada Ramchandra Bhakru Sindhu Mahavidyalaya, graced the occasion as Chief Guest and delivered an inspiring inaugural address. **Dr. P. L. Naktode**, Principal, TGPCET, gave the opening remarks, highlighting the importance of research and innovation. The event featured activities like **Paper Presentation**, **Model Mania**, **Idea Pitching**, **E-Sport, poster presentation** and **Agar Art**, fostering creativity and scientific thinking.

Some glimpse :





Successful BIOFUSION 2K25

NATIONAL SCIENCE DAY

Aim

The primary aim of the National Science Day event was to **foster scientific awareness and creativity among students by encouraging them to explore and express key concepts in biotechnology through handmade poster.**

Objectives of program:

- To promote awareness about the importance of science and biotechnology in everyday life
- To provide a platform for students to express their scientific knowledge creatively
- To inspire young minds toward research and innovation in the field of biotechnology

Program details

National Science Day is celebrated every year in India to commemorate the discovery of the *Raman Effect* by the great Indian physicist Sir C.V. Raman. This year, the Department of Biotechnology at Tulsiramji Gaikwad-Patil College of Engineering and Technology organized a special event on **8th March 2025** to mark the occasion with the theme **"Biotechnology for a Sustainable Future.**

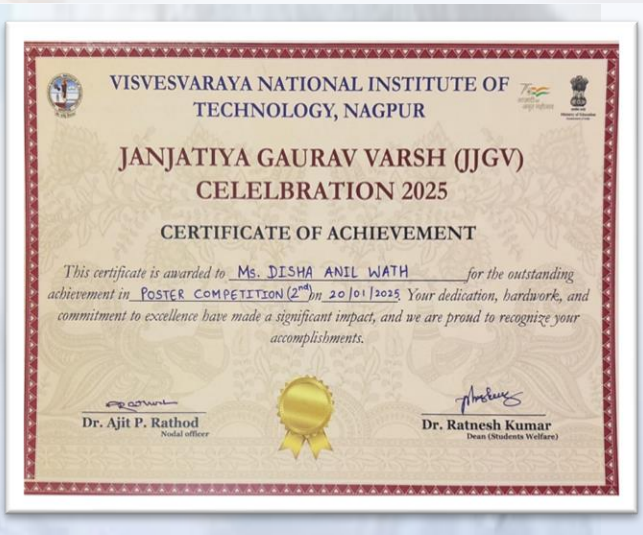
Winners of National Science Day

FAREWELL 2025

As we bid farewell to our beloved 8th semester B.Tech Biotechnology students, our hearts are filled with pride, joy, and a tinge of sadness. You've grown not just in knowledge but in strength, resilience, and spirit. From shared laughter in labs to late-night study sessions, every moment has woven unforgettable memories. Your journey has inspired us all, and though it's time to part ways, your legacy will remain etched in our department. Go forth with confidence, chase your dreams fearlessly, and remember—this is not goodbye, but a new beginning. You'll always be a part of the biotech family.

B.Tech Biotech 8th Semester Students

STUDENTS PARTICIPATION/ACHIEVEMENTS



VISVESVARAYA NATIONAL INSTITUTE OF TECHNOLOGY, NAGPUR

JANJATIYA GAURAV VARSH (JJGV) CELELBRATION 2025

CERTIFICATE OF ACHIEVEMENT

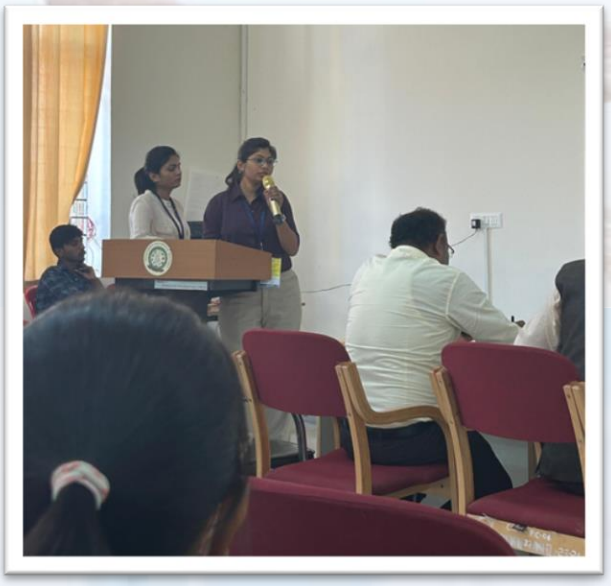
This certificate is awarded to Ms. DISHA ANIL WATH *for the outstanding achievement in* POSTER COMPETITION (2nd) on 20/01/2025. *Your dedication, hardwork, and commitment to excellence have made a significant impact, and we are proud to recognize your accomplishments.*

Dr. Ajit P. Rathod
Nodal officer

Dr. Ratnesh Kumar
Dean (Students Welfare)

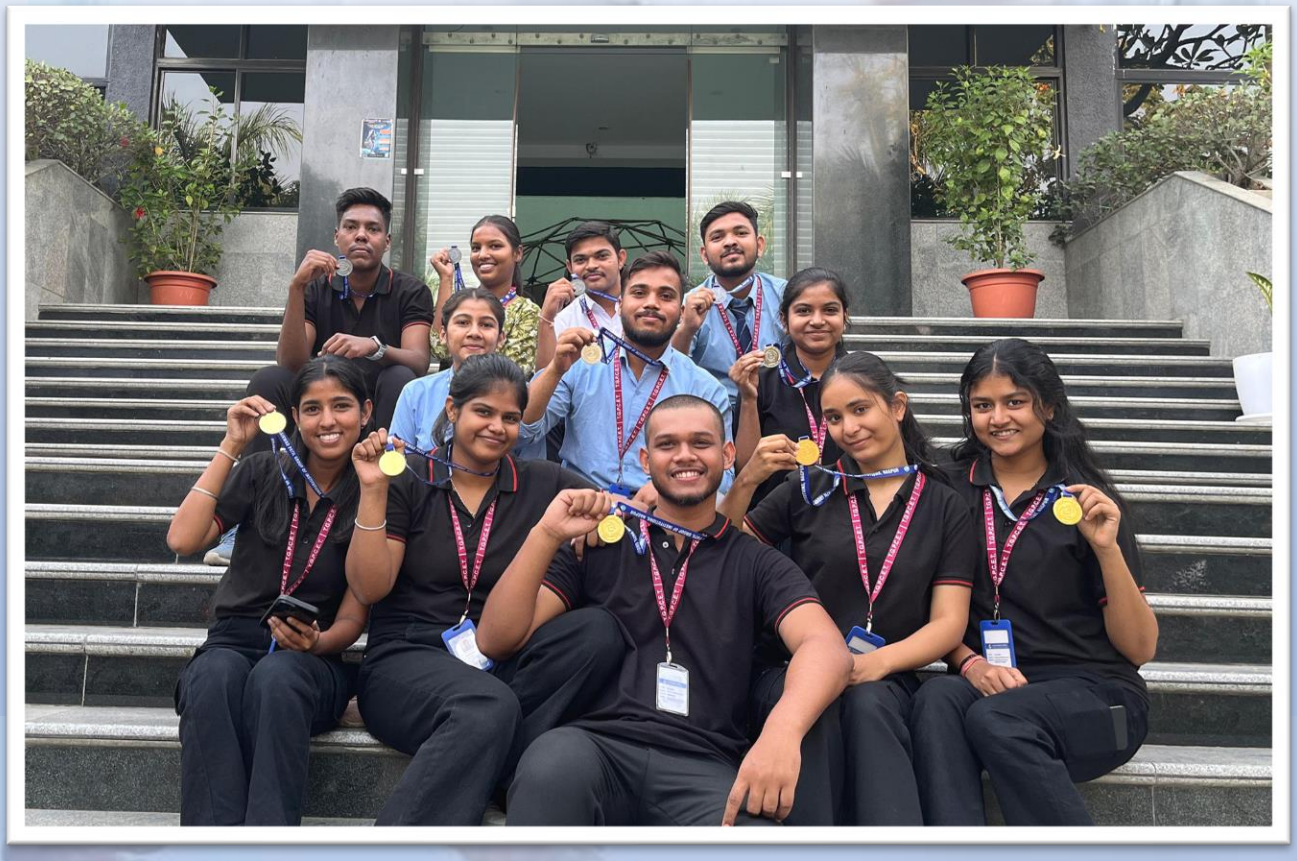
Disha wath secured 2nd prize at VNIT in poster competition

Winner of UTKARSH 2K25 (GROUP DANCE)



Oral poster presentation at Bagalkot, Karnataka

International conference attended by 8th semester students at Bagalkot, Karnataka



Winner of National science day

Biofusion 2k25

Dr. Kiran Bhuyar presented the prizes to the winners.

NEWS PUBLISHED

LOKMAT TIMES

Guest lecture on cotton devp and improvement organised

Nagpur: The Department of Biotechnology of TGPCET organised a guest lecture on Cotton Improvement and the Development of Transgenic Cotton on the occasion of National Science Day 2K25.

The lecture was delivered by Dr. Rakesh Kumar, Senior Scientist, ICAR-Central Institute of Cotton Research. During the session, Dr. Rakesh Kumar explained the history of Bt cotton, how Bt cotton was developed, and the role of Agrobacterium tumefaciens in gene transfer for creating genetically modified cotton plants.

Following the lecture, a Poster Presentation Competition was also organized. Dr. Kalpit Kausare served as the Internal Judge, and Dr. Rakesh Kumar was the External Judge.

A guest speaking on cotton improvement.

A total of 21 posters were presented by students, covering various biotechnology-related topics. The winners were Disha and Group, Rutika and Group and Swapnil and Group.

Nagpur First
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Hand On Training on Molecular Biology Techniques

by Khabarbat™ — February 25, 2025 in Education

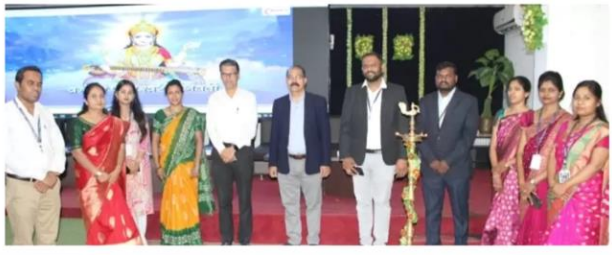
Guest Lecture on Recent Trends in Animal Tissue Culture Organized at Tulsiramji Gaikwad-Patil College

by Khabarbat™ — February 6, 2025

Guest Lecture on Recent Trends in Animal Tissue Culture Organized at Tulsiramji Gaikwad-Patil College

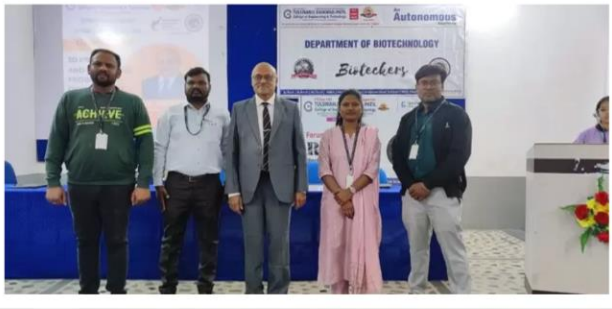
'बायाफ्यूजन–2K25' राष्ट्राय ताात्रक कायक्रमाच TGPCET, नागपूर येथे यशस्वी आयोजन

by Khabarbat™ — May 23, 2025 in Education, local News



Guest Lecture on 3D Printing and Innovative Product Development

by Khabarbat™ — February 25, 2025 in Education, Vidarbha



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