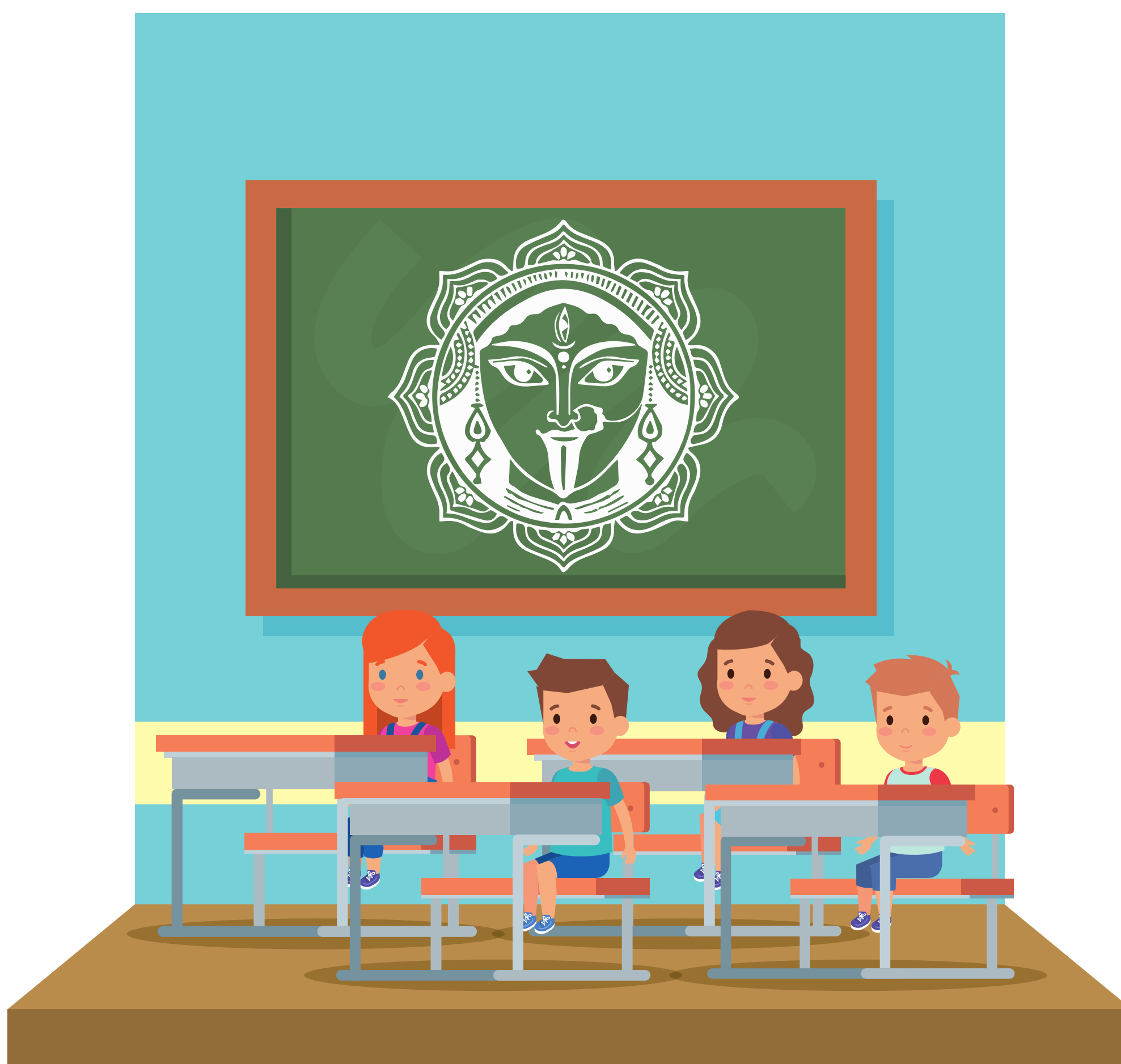


GNIPST BULLETIN LIFE-SCIENCE

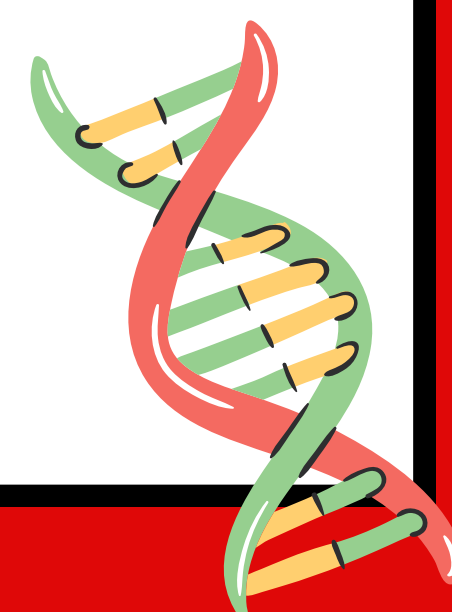
Guru Nanak Institute of Pharmaceutical Science and Technology

Volume 3 Issue 4



Innovating Life, Inspiring Science!

Welcome to our monthly Digital Science Archive!





IN REFLECTION AND VISION

The Director's Note

It is with great pride that we present Volume 3, Issue 4 of the GNIPST Bulletin, a vibrant reflection of our collective academic spirit and scientific inquiry. At Guru Nanak Institute of Pharmaceutical Science and Technology, we remain committed to fostering a culture of excellence through a blend of rigorous academics, practical exposure, and innovative thinking. The life sciences are rapidly evolving, and our students and faculty continue to contribute meaningfully to this dynamic field. This bulletin highlights achievements, new initiatives, and the creative energy that drives GNIPST forward. As the festival of Diwali fills our lives with light, hope, and renewal, we extend our warmest greetings and best wishes to all. May the radiance of Diwali inspire us to pursue knowledge with passion, work together in harmony, and continue illuminating the path of growth, discovery, and success.



Dr. Abhijit Sengupta

The Principal's Note



Dr. Lopamudra Datta

We are delighted to present Volume 3, Issue 4 of the GNIPST Bulletin – Life Science, showcasing the continued journey of our commitment to academic excellence, research, and innovation. As one of the leading institutions in West Bengal, GNIPST remains dedicated to providing advanced laboratory facilities, practical learning experiences, and industry-relevant internships, while nurturing our students with a strong foundation in scientific knowledge, ethical values, and critical thinking. On this festive occasion of Diwali, we extend our warm greetings and best wishes to all—may the festival of lights bring joy, prosperity, wisdom, and harmony into our lives. We sincerely thank everyone for their ongoing support and enthusiasm and look forward to sharing many more stories of achievement, growth, and inspiration in the issues ahead.

We are delighted to present Volume 3, Issue 4 of the GNIPST Bulletin – Life Science, showcasing the continued journey of our commitment to



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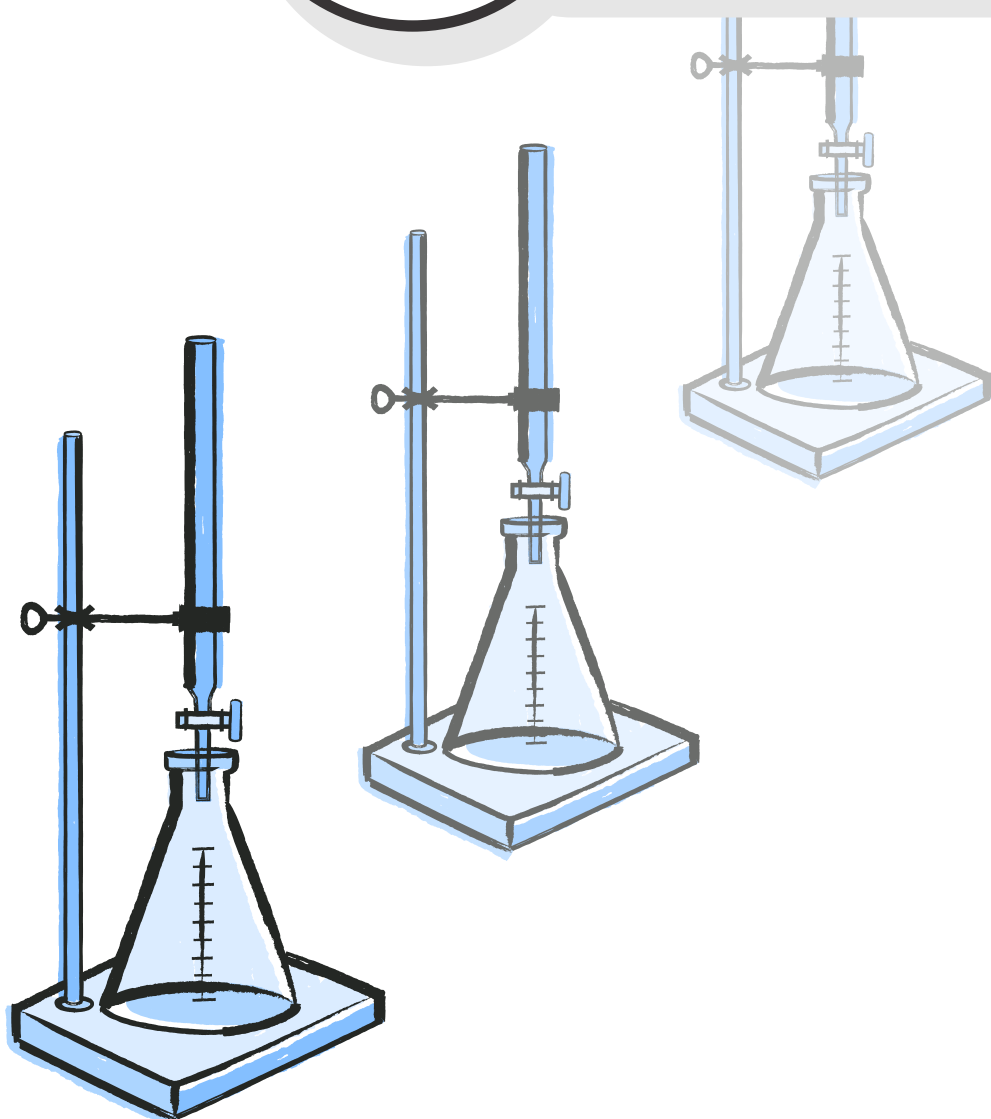
Activity Corner

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Answer Key

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International Microorganisms Day - Results!





SCIENCE UPDATE

DNA 'barcodes' developed could open new frontiers in biology

Researchers at Clemson University teamed up to create tiny tags made from DNA and fluorescent dyes that light up in unique ways, potentially enabling new tracking and monitoring techniques in biological systems.



Read More : <https://news.clemson.edu/dna-barcodes-developed-at-clemson-university-could-help-open-new-frontiers-in-biology/>

Press release: Nobel Prize in Physiology or Medicine 2025



The 2025 Nobel Prize in Physiology or Medicine was awarded to Mary E. Brunkow, Fred Ramsdell and Shimon Sakaguchi for discoveries concerning immune-system regulation (regulatory T-cells). Important biology milestone.

Read More : <https://news.clemson.edu/dna-barcodes-developed-at-clemson-university-could-help-open-new-frontiers-in-biology/>

New microscopy breakthrough is revealing the oceans' invisible life

Using ultrastructure expansion microscopy, scientists are now visualizing plankton and other marine microorganisms at unprecedented resolution—opening new windows on ocean-biology, evolutionary and ecological research.



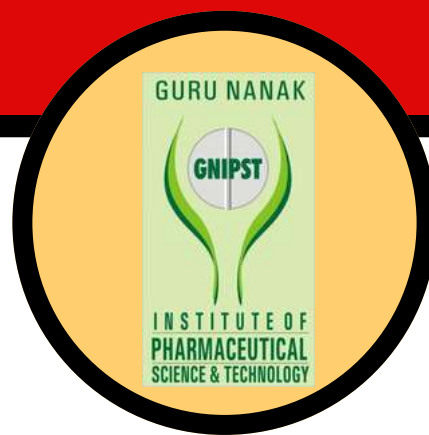
Read More : <https://news.clemson.edu/dna-barcodes-developed-at-clemson-university-could-help-open-new-frontiers-in-biology/>

Discovery shows cells revive from death, promote tissue regeneration

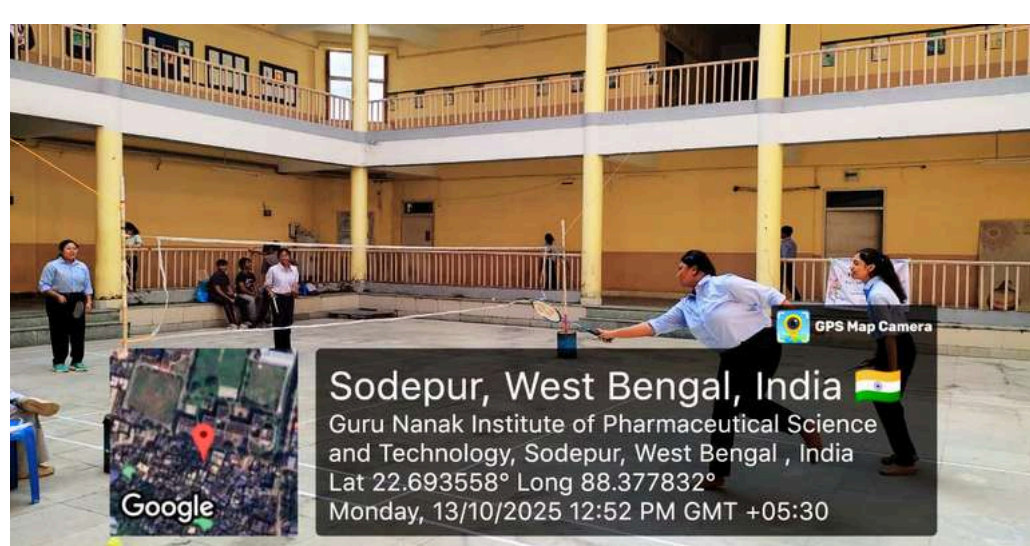


Researchers at CSIR-Centre for Cellular and Molecular Biology (CCMB), Hyderabad, uncovered a mechanism they term “Programmed Cell Revival” in which cells near death can be reactivated to support tissue repair (wound healing in mice, corneal burn repair, tail regeneration in tadpoles, etc.). The finding could have major implications for regenerative medicine — and also cautions for cancer-therapy design.

Read More : <https://bit.ly/short-toi123532956>



THE CAMPUS PULSE



The JIS Intra College Sports Competitions in October featured exciting activities such as cricket, football, volleyball, badminton, table tennis, carrom, shot put and many more with enthusiastic participation from both students and faculty.

i



Pre-Diwali and Freshers' Welcome in College!





ACTIVITY CORNER

Kali Puja and Diwali are celebrated with immense enthusiasm and spiritual fervor across West Bengal and the rest of India. Kali Puja, dedicated to Goddess Kali—the fierce form of Shakti symbolizing the destruction of evil and ignorance—is observed mainly on the new moon night of the Hindu month of Kartik, coinciding with Diwali. Devotees decorate their homes and temples with lamps and candles, and offer prayers, flowers, sweets, and sacrifices to seek the goddess’s blessings for protection and prosperity. Diwali, the Festival of Lights, signifies the victory of light over darkness and good over evil. Homes, streets, and marketplaces glow with rows of diyas and colorful lights, while people exchange sweets, gifts, and warm greetings. Fireworks, new clothes, and festive feasts mark the joyous occasion. In Bengal, the night resonates with chants, rituals, and the fragrance of incense, blending devotion with celebration. Together, Kali Puja and Diwali embody the spirit of hope, renewal, and the triumph of righteousness, uniting people in faith, festivity, and cultural pride.

WORD SCRAMBLE CHALLENGE: !



YPRRAEE →
PMAL →
YADI →
REKFIRWOS →



Fastest correct entry wins a shoutout in our next bulletin!



ANSWER KEY (VOLUME 3 ISSUE 2)

HARUSAMISHA → MAHISHASURA

DALNAP → PANDAL

GOBH → BHOG

SATHIMA → ASHTAMI

**SHOUT OUT TO THE “ACTIVITY CORNER’ WINNER OF
VOLUME 3 ISSUE 3**



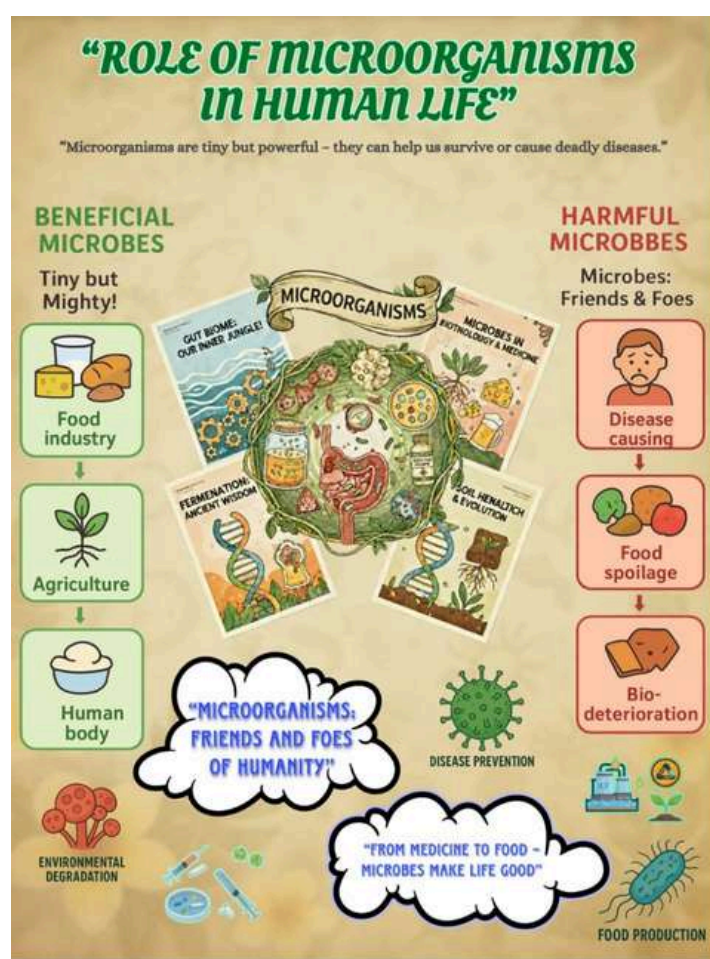
**Debangana Majumder, Guru Nanak Institute of Pharmaceutical
Science and Technology, BBA(HM)**



INTERNATIONAL MICROORGANISMS DAY

Digital Poster Making Competition

Top 5



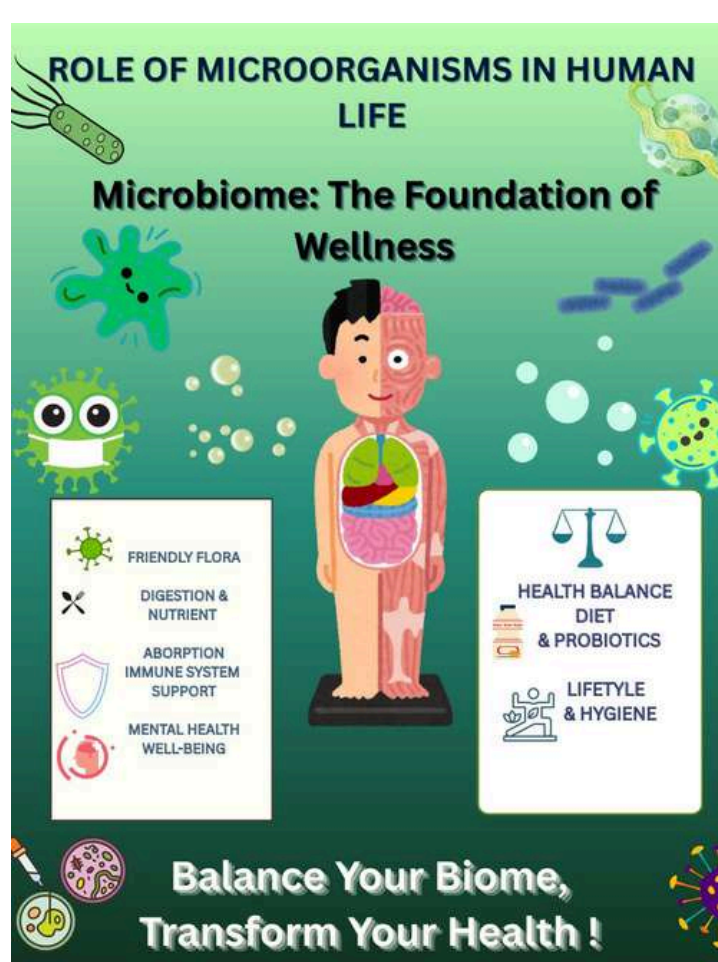
Sudip Panja D.Pharm 1st year



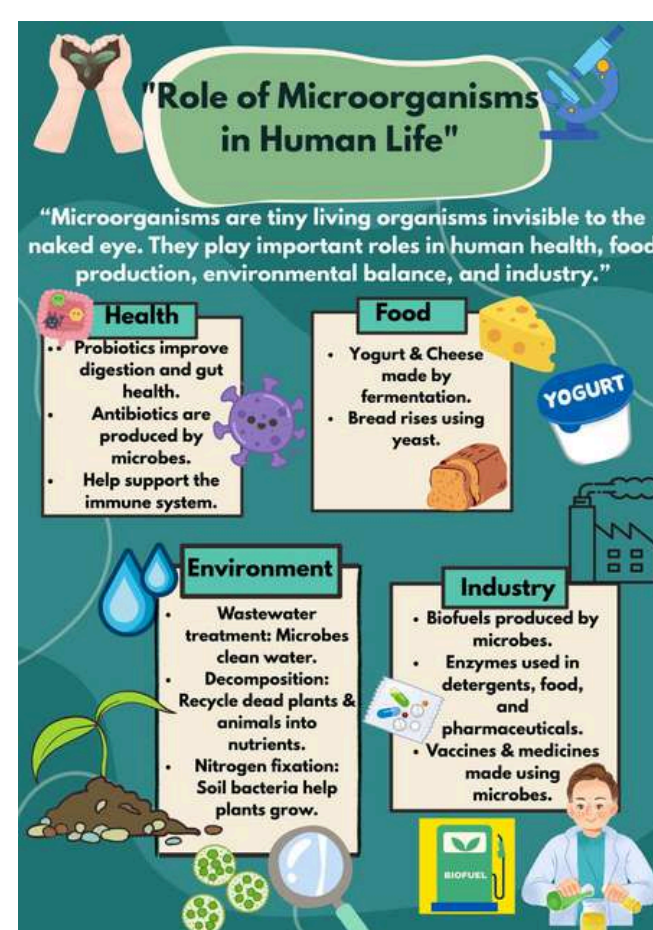
Koushik Dutta, BSc Biotechnology 3rd year



Rumpa Dey BSc Biotechnology 3rd year



Ashisita Dey B.Pharm 3rd year



Tejaswini Giri Bsc Biotechnology 3rd year





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- B.Sc in Microbiology
- B.Sc in Genetics
- B.Sc in Medical Lab Technology

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- M.Sc in Genetics
- M.Sc in Medical Lab Technology



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