

# KATHAN

December 2023

ISSUE 59



Kathan

ज्ञानम् यजामहे ।

What's inside?

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UPL UNIVERSITY  
OF  
SUSTAINABLE TECHNOLOGY

Rotary  
Ankleshwar



(Established under Gujarat Private Universities Act, 2009)

## Ankleshwar Rotary Education Society

Ms. Sandra Shroff, Chancellor UPL University  
Mr. Ashok Panjwani, President UPL University  
Mr. Angiras Shukla, ARES Secretary  
Mr. Kishor Surti, ARES Treasurer

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Mr. Shivang Ahir [Assistant Professor, ME]  
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Mrs. Dhara Patel [Lecturer, CE]  
Mr. Karan Chabhadiya [Assistant Professor, EST]  
Mr. Apurba Chakraborty [Assistant Professor, CT]  
Mr. Jyorj Makwana [Assistant Professor, M.Sc.]



# THE EDITORIAL

*All things in life, including you, are in an imperfect state of flex, so strive not for perfection, but for excellence instead.*



**EDITOR (FACULTY)**  
**MAKWANA JYORJ PITERBHAJ**  
**ASSISTANT PROFESSOR**  
**(AD-HOC)**



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**Computer Engi.**  
**5th sem**

**DARSHAN PRAJAPATI**  
**Computer Engi.**  
**5th sem**



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**5th sem**



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**CT**  
**5th sem**

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**EE**  
**5th sem**



**Dev Patel**  
**ME**  
**5th sem**

**Meet Rathod**  
**CT**  
**5th sem**



**FATANGARE TANMAY S**  
**T. Y. B. Sc. SEM -VI**  
**DESIGNING EDITING**



# Awareness, training programme and Quiz competition

Department of Environmental Science & Technology at UPL University of Sustainable Technology, Ankleshwar organized a session on Corporate Sustainability.

The expert session was chaired by Dr. Mritunjay Chaubey, Global Vice President & Head Sustainability - UPL Limited. He stressed on the importance of ESG and Sustainability and its relevance to all industrial sectors along with various international sustainability rating agencies.

The image shows a Zoom meeting interface. The main content is a presentation slide titled "Sustainability Management Framework". The slide features a central yellow circle labeled "Sustainability Management Framework" surrounded by four quadrants: "Global Goals" (blue), "Global Reporting" (green), "Global Ratings" (orange), and "Global Certifications" (purple). Each quadrant is accompanied by logos and text:

- Global Goals:** Includes logos for Sustainable Development Goals, Science Based Targets, and Paris Climate Agreement. Text: "Sustainability goals & targets must be aligned with SDGs, Paris agreement & science based targets."
- Global Reporting:** Includes logos for TCFD, GRI, and UN Global Compact. Text: "Sustainability reporting must be aligned with the GRI, UN Global Compact & TCFD frameworks."
- Global Ratings:** Includes logos for FTSE Russell and Sustainalytics. Text: "DJSI, FTSE Russell & Sustainalytics ratings help companies to attract investors & talent."
- Global Certifications:** Includes logos for FTSE4Good, Responsible Care, and Together for Sustainability. Text: "FTSE4Good, Responsible care & TFS certifications helps to embed sustainability."

Below the slide, the Zoom interface shows a speaker view for Dr. Mritunjay Chaubey. The slide in the speaker view is titled "Corporate Sustainability" and includes the UPL University of Sustainable Technology logo. Text on the slide reads: "Session for Post Graduate Diploma in Environmental Compliance & Sustainability December 18, 2023". Below the speaker's name, it lists his credentials: "Dr. Mritunjay Chaubey, B.Tech., M.Tech., Ph.D. (IIT Delhi), United Nations Global Compact-NI Governing Council Member, Global Vice President & Head- Sustainability, UPL Limited".



## Partnership Agreement: Marking Plans, Together:

aQuest, a National level quiz competition was organised by ISHRAE Bharuch Sub Chapter at UPL University of Sustainable Technology on 29th December 2023. Participants from SRICT ISHRAE Student Chapter and GEC Bharuch ISHRAE Student Chapter performed wonderfully and bagged the prizes. The winning team will represent ISHRAE Bharuch Sub Chapter and UPL University at Quarter Final. Audience also bagged many gifts during the quiz. ISHRAE professionals were impressed with the spontaneity and brilliance of the students.

The banner features the following elements:

- Logos:** UPL OpenVg™, UPL UNIVERSITY OF SUSTAINABLE TECHNOLOGY, and Rotary Ankleshwar.
- Event Title:** aQuest, flanked by two yellow stars.
- Subtitle:** The Ultimate Engineering Face-off.
- Photo:** A group of approximately 15 people, including students and organizers, posing with certificates and prizes. A banner in the background reads 'aQuest The Ultimate Engineering Face-off ISHRAE Bharuch Sub-Chapter Quiz Competition'.
- Organizer Information:** Organized by ISHRAE Bharuch Sub Chapter @ UPL University of Sustainable Technology.
- Date:** 29 DEC 2023.
- Footer:** 'Follow us:' with social media icons for Facebook, Instagram, Twitter, and LinkedIn, and the website 'www.upluniversity'.



"Department of Environmental Science & Technology at UPL University of Sustainable Technology organized a one day training program under the aegis of IQAC on "Effective Operation and Maintenance of STP and ETP" (under Mission LiFE) sponsored by Gujarat Environment Management Institute (GEMI) on 29th December, 2023.

The training session was conducted by experts from industry. Students from different colleges attended the training program and gained knowledge about ETP & STP process, major components of ETP, maintenance and concept of ETP & STP."



**Department of Environmental Science & Technology**  
organized  
**One Day Training**  
Under Mission LiFE  
ON  
**Effective Operation and Maintenance of STP and ETP**  
Sponsored by  
**Gujarat Environmental Management Institute(GEMI)**



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## DRONE & ITS APPLICATION IN VARIOUS FIELD



Mr. Haren Gandhi  
(Drone Instructor)  
&  
Mr. Sunil Sharma (RPAS-Flying  
Instructor and mobilizer)

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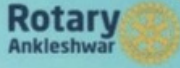

*"New technology is not good or evil in itself. It is all about how people choose to use it."*

**Department of Mathematics, Science & Humanities** organized a training session on the technology and applications of drones to the Diploma and BE semester 1 students on 12th December 2023. The session on **"Drones and their applications in various sectors"** was delivered by Mr. Haren Gandhi, Air force veteran and drone Instructor and Mr. Sunil Sharma, RPAS-Flying Instructor and mobilizer. Students were enthusiastic to know about categories of unmanned aircraft systems, types of drones, propellers and other parts of drones.



# Quiz

The Nature Club of UPL University, the Department of Environmental Science & Technology, and the Institution of Engineers (India) (IEI) students' chapter (393135/SRIC/EN), in association with IQAC, organized an online quiz competition, "Ecogenius Quest: Testing your environmental IQ," on 8th December 2023, on the topic of Environment & Sustainability. The aim of this quiz was not only to evaluate the participants' understanding of environmental concepts but also to promote awareness and encourage responsible behavior towards the environment. Students from various streams enthusiastically participated in this competition. The Department of Environmental Science & Technology heartily congratulates the winners and participants.



NATURE CLUB OF UPL UNIVERSITY, DEPARTMENT OF ENVIRONMENTAL SCIENCE & TECHNOLOGY  
& INSTITUTION OF ENGINEERS INDIA (IEI) STUDENTS' CHAPTER (393135/SRIC/EN)  
(IN ASSOCIATION WITH IQAC) ARE JOINTLY ORGANIZED AN

## ONLINE QUIZ COMPETITION ECOGENIUS QUEST: TESTING YOUR ENVIRONMENTAL IQ

**8TH DECEMBER, 2023**

*Topic: Environment & Sustainability*



### Winners of Ecogenius Quest

 <p>1 Sumit Bhatt DE-Env; SEM 5</p>	 <p>2 Vajid Khan DE-CE; SEM 5</p>	 <p>2 Drashti Mistry DE-Env; SEM 3</p>	 <p>3 Sheetal Singh DE-CO; SEM 5</p>
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### Winners of Ecogenius Quest

 <p>1 Roopam Debnath BE-CE; SEM 3</p>	 <p>2 Akash Mandal BE-CE; SEM 3</p>	 <p>3 Vinayak Sonawane BE CE; SEM 5</p>	 <p>3 Vrunda Patel BE-CE; SEM 3</p>
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*The Department of Environmental Science & Technology heartily congratulates the winners and participants.*

*The Department of Environmental Science & Technology heartily congratulates the winners and participants.*



# UNIVERSITY ACHIEVEMENT

## Counting happiness: “NBA Accreditation in moments of joy”

We are happy to share that the **Department of Chemical Technology** has been awarded **NBA Accreditation** for a three-year period from 2023 to 2026. Plenty of congratulations to all the faculty members, staff and students of CT Department on this remarkable achievement. We, henceforth, convey our deepest gratitude to the Management, Administrative office, faculties and all staff members for their cooperation and continuous support in accomplishing this success.



**It is a moment of Pride and Pleasure  
The UG Program B.E. Chemical Technology of SRICT  
has been accredited by**



**We extend our congratulations and gratitude to all the stakeholders for this exceptional accomplishment.**

**Accreditation Signifies Official Validation & Acknowledgement  
of Our Dedication to Delivering High-Quality Education.**



# MEMORANDUM OF UNDERSTANDING (MOU)



MOU signed between  
AVPL International, Haryana  
&  
UPL University of Sustainable Technology



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MOU signed between  
M G Enterprises, Mota Borasara, Kim  
&  
UPL University of Sustainable Technology



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MOU signed between  
All in One Trade House, Kim  
&  
UPL University of Sustainable Technology



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# MEMORANDUM OF UNDERSTANDING (MOU)



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Rotary Ambassador

MOU signed between  
**Happy Engineering**  
&  
**UPL University of Sustainable Technology**



UPL UNIVERSITY OF SUSTAINABLE TECHNOLOGY

Rotary Ambassador

MOU signed between  
**Sterlite organics**  
&  
**UPL University of Sustainable Technology**



Happy Engineering

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UPL UNIVERSITY OF SUSTAINABLE TECHNOLOGY

Rotary Ambassador

MOU signed between  
**Harsh Industries**  
&  
**UPL University of Sustainable Technology**







UPL UNIVERSITY OF SUSTAINABLE TECHNOLOGY

Rotary Ambassador

MOU signed between  
**Brakes India Ltd., Jhagadia** &  
**UPL University of Sustainable Technology**







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# MEMORANDUM OF UNDERSTANDING (MOU)



MOU signed between  
**ZEE Institute of Creative Art, Vadodra**  
&  
**UPL University of Sustainable Technology**





MOU signed between  
**Paras Pharma Chem.Pvt Ltd.**  
&  
**UPL University of Sustainable Technology**






 

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MOU signed between  
**Khwahish life science pvt ltd.**  
&  
**UPL University of Sustainable Technology**





MOU signed between  
**Guru Ashish pharma chem pvt ltd**  
&  
**UPL University of Sustainable Technology**





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# Happy Birthday

*Happy Birthday*

to our

**Visionary Leader**



**Mr. Ashok Panjwani**

**President**

[www.upluniversity.ac.in](http://www.upluniversity.ac.in)

Wishing a fantastic birthday to the visionary President of UPL University of Sustainable Technology! Your leadership inspires greatness, shaping futures with wisdom and innovation. May your day be as exceptional as your guidance!"



**IQAC, UPL University of Sustainable Technology organized a seminar on “NEP 2020 implementation” on December 11, 2023. Session was delivered by Prof. S V Joshi from ICT, Mumbai.**



The poster features a light blue background with a subtle pattern of white and grey geometric shapes. At the top, there are three logos: UPL (University of Sustainable Technology) on the left, UPL UNIVERSITY OF SUSTAINABLE TECHNOLOGY in the center, and Rotary Ankleshwar on the right. The main text is centered and reads: 'Shroff S.R. Rotary Institute of Chemical Technology' in red, followed by 'In collaboration with IQAC' in black, 'Organizes' in red script, 'One Day Seminar on' in purple, and '“National Education Policy 2020 (NEP)”' in black. Below this is the speaker's name 'Speaker:' in purple, a portrait of Prof. Shreerang Joshi, and his title and affiliation. At the bottom, the date, time, and venue are listed in blue.

**UPL**  
University of Sustainable Technology

**UPL UNIVERSITY**  
OF  
SUSTAINABLE TECHNOLOGY

**Rotary**  
Ankleshwar

**Shroff S.R. Rotary Institute of Chemical Technology**

*In collaboration with*  
**IQAC**

*Organizes*  
**One Day Seminar**  
*on*  
**“National Education Policy 2020 (NEP)”**

*Speaker:*



**Prof Shreerang Joshi**  
Professor & Head  
Department of Pharmaceutical Sciences and Technology,  
Institute of Chemical Technology, Matunga

**Date: 11<sup>th</sup> Dec, 2023**  
**Time: 11.30am-3.30pm**  
**Venue: Seminar Hall-1, UPL University Campus**



# Awareness session for schools

“Sustainable United: Inspiring Change for a greener tomorrow”

A sustainability awareness session was organized by different departments.

-: List of schools :-

1. Jawahar Navoday Vidhyalaya, Valia
2. Swami Vivekanand Academy, Ankleshwar
3. Shree Gattu Vidhyalaya, Ankleshwar
4. Sainik School, Vadi

UPL UNIVERSITY OF SUSTAINABLE TECHNOLOGY Rotary Ankleshwar

Sustainability Awareness Session

AT JAWAHAR NAVODAY VIDHYALAY, RUPNAGAR-VALIA ORGANIZED BY DEPARTMENT OF ENVIRONMENTAL SCIENCE & TECHNOLOGY

UPL UNIVERSITY OF SUSTAINABLE TECHNOLOGY Rotary Ankleshwar

Sustainability Awareness Session

AT SWAMI VIVEKANAND ACADEMY (ENGLISH AND GUJARATI MEDIUM), ANKLESHWAR ORGANIZED BY DEPARTMENT OF ENVIRONMENTAL SCIENCE & TECHNOLOGY

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Sustainability Awareness Session

AT SHREE GATTU VIDHYALAYA, ANKLESHWAR ORGANIZED BY DEPARTMENT OF ENVIRONMENTAL SCIENCE AND TECHNOLOGY

UPL UNIVERSITY OF SUSTAINABLE TECHNOLOGY Rotary Ankleshwar

Sustainability Awareness Session

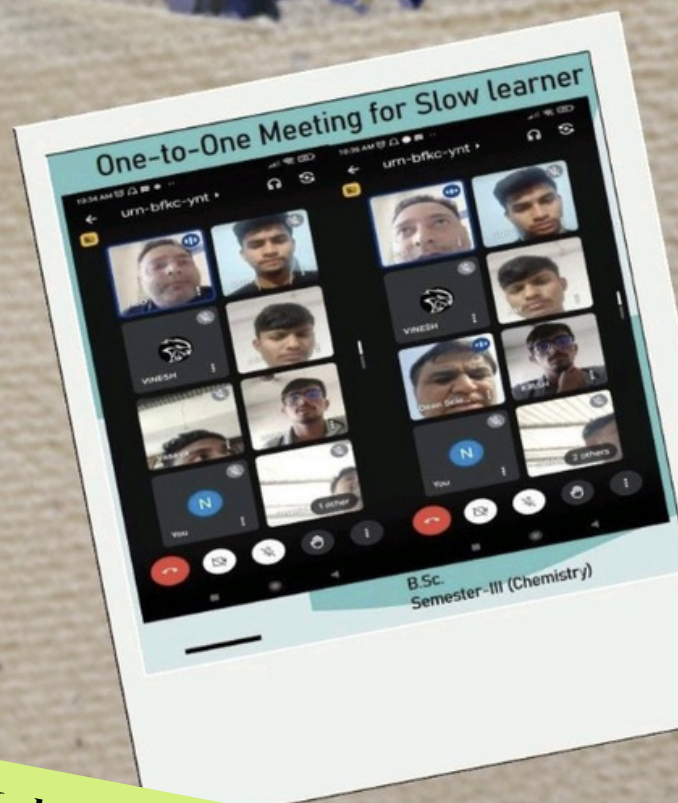
AT SAINIK SCHOOL, VADI ORGANIZED BY DEPARTMENT OF ENVIRONMENTAL SCIENCE AND TECHNOLOGY



# One to One Meeting

*"One-to-one meetings foster personalized connections and targeted communication, enhancing productivity and understanding."*

One to One meeting of the slow learner students of Sem 3 B.Sc. & M.Sc. Sem 1 was conducted.



Dean Science and sustainability Dr. Snehal Lokhandwala and HOD SRICT-ISR, Dr. Nikhil Parekh discussed with students their progress in academics and motivated them to make commitments for better performances in their upcoming examinations.

## One-to-One Meeting





# Student Achievement

On 9th December, 2023 Computer Engineering students were immersed into the tech landscape at Microsoft Office, Mumbai. They were enriched by the wisdom shared by Darshil Shah, Founder of Trend Binary. His insightful talk on unleashing the power of Generative AI added a new dimension to our students' understanding of AI concepts.





# Student Achievement

**UPL University of Sustainable Technology  
Congratulates the students  
of Department of Environmental Science  
and Technology for  
participating in 21 km  
Reva Marathon held on  
3rd December 2023.**



**One of our B.E.  
Chemical Engineering  
Semester-5 student,  
Vinayak Sonawane  
completed the 12-Week  
NPTEL Certificate  
Program on  
'Chemical Reaction  
Engineering-1'**





# Faculty Achievement

**Dr. Mehulkumar L. Savaliya, Assistant Professor of SRICT-ISR has been awarded a complimentary screening of his Anticancer compounds on NCI-60 Human Tumor Cell Lines under Developmental Therapeutic Program (DTP) at National Cancer Institute, Division of Cancer Treatment & Diagnosis (DCTD), National Institutes of Health (NIH), 9000 Rockville, Maryland 20892 under U. S. Department of Health and Human Services.**



**Mr. Satish Kumar Verma, Asst. Prof. from Mechanical Engineering Department of UPL University of Sustainable Technology participated in 12 Week NPTEL Certificate Program from July-Oct-2023. He has successfully completed the program named "nced Machining Processes" delivered by Prof. Manas Das, IIT Guwahati.**





# Faculty Achievement

UPL University is happy to share that Mr. Kartik, has successfully completed his final Ph.D. Viva Voce today. He has published 5 high impact research publications. Presented his research work in 4 international Conference during his tenure of PhD work



**Ms. Nidhi Parmar & Mr. Uddyalok Chakraborty, lecturer, Department of Computer Engineering, UPL University have received a patent on 'Robotic Hand'**  
The same is designed for patent in pursuance of and subject to the provisions of the Designs Act, 2000 and Design Rules 2001 dated **21/10/2023**

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OF  
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**Congratulations!!!!**  
for Patent Grant  
on  
**“Robotics Hand”**

**Patent Type:- Design**  
**Patent Holder Details:-**

- **Mr. Uddyalok Chakraborty**
- **Ms. Nidhi Parmar**

**Lecturer, Department of Computer Engineering, UPL University of Sustainable Technology.**

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# SCHOLARSHIP

## Girl students

UPL received Rs. 2 lacs under scholarship fund from Heubach Colour Private Ltd under Transform a Life. We would like to thank Shri. D K Rana, Mr. Hetal Bakre, Mr. Tushar Rikkal and the management of Heubach Colour Pvt Ltd. for their contribution to the noble cause. Three girl students are benefited by their efforts. The industry also committed for Implant training and shall certainly look for placements for these students in the future.





# SCHOLARSHIP

Received Rs. 1.5 lacs under scholarship fund from K Patel Dyechem Industries Pvt Ltd. under Transform a Life. We would like to thank Mr. Mahendra Patel and the management for their contribution to the noble cause.



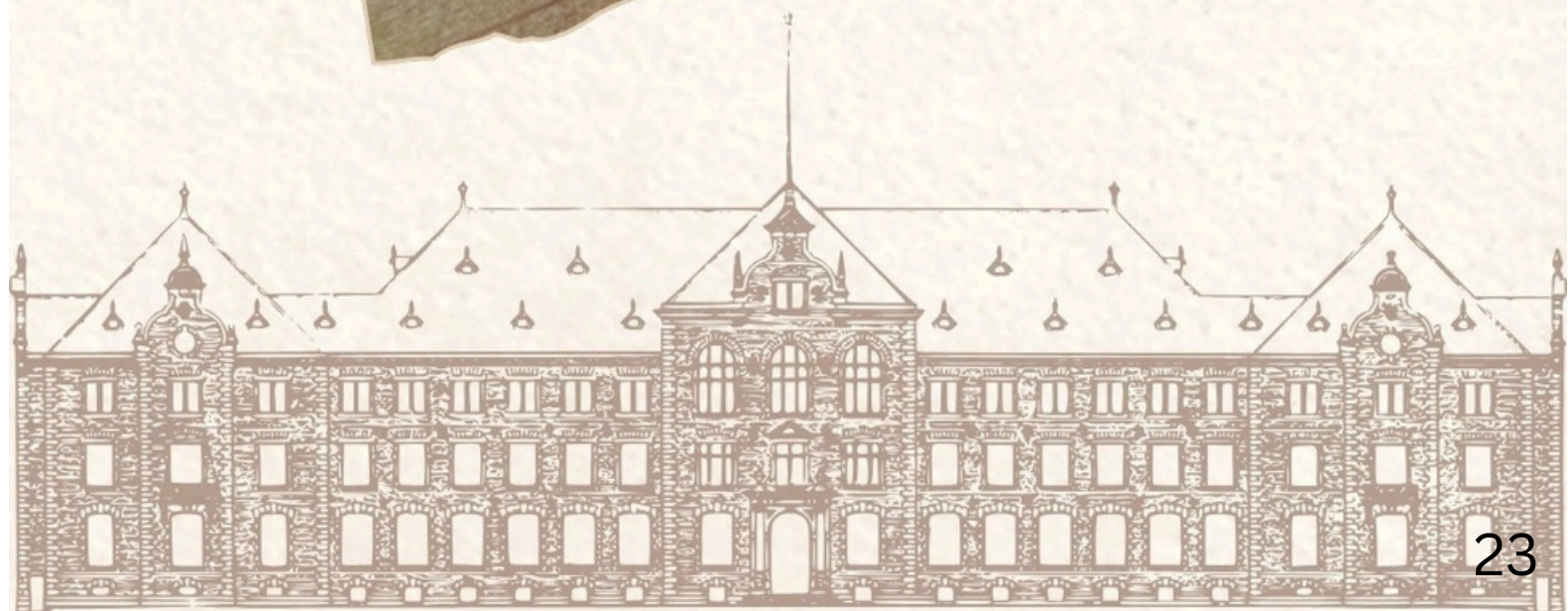
The best way to celebrate the day of Birth is spreading happiness and Panjwani sir and Meera madam has been the best example as today we have received a generous donation of Rs. 1 lac each from them for our Scholarship drive Transform a Life. Every time we share good news, we want you to remember that you're an integral part of this good created." Thankyou sir and madam for your noble thought.





# Our Visitors

Respected Rajjubhai Shroff, Mr. Jay Shroff, and Mr. Raj Tiwari visited UPL University today.





# Article

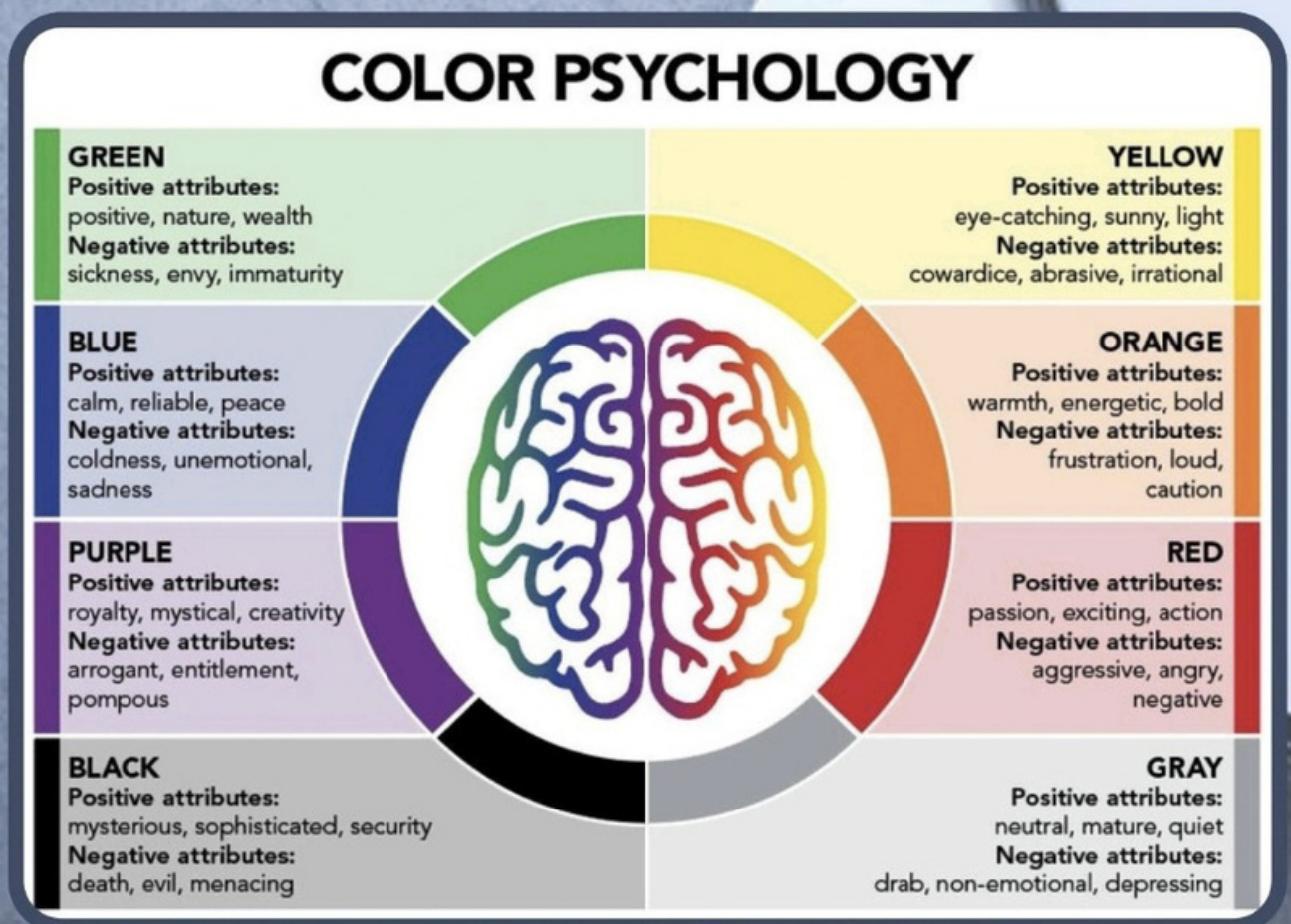
## Colours Theory:

It indicates psychology of colours. This helps to choose an appropriate colour combination

for designing purpose, marketing & shows feelings and emotions through colours.

Source: <https://www.expertservices.com/insight/best-colors-trial-graphics/>

For more info scan the QR given here:



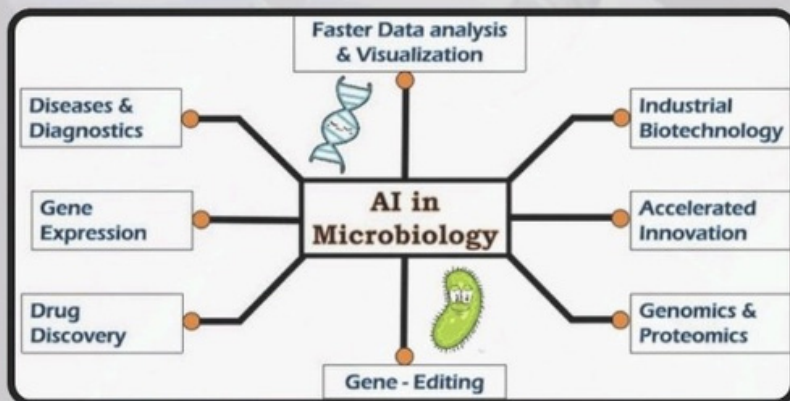
Mr. Jyorj Makwana

Assistant Professor, SRICT-ISR, UPL University of Sustainable Technology



# Technical Article

## Artificial Intelligence (AI): Time for Microbiology?



Artificial Intelligence (AI) is machines mimicking human intelligence to perform tasks like learning, problem-solving, and decision-making independently. Artificial Intelligence (AI) is booming nowadays in almost each field of science. AI is like a helpful assistant for microbiologists, making their work easier and more effective. It acts as a smart tool that helps scientists study tiny living things called microorganisms, which can impact our health, environment, and industries and various other fields.

In the world of microbiology, AI is like a super-fast reader that quickly understands vast amounts of information, helping scientists identify new types of microorganisms, discover unique genes, and understand how they function.

Think of AI as a predictive wizard that can foresee how these tiny beings might behave, helping us anticipate if they could cause diseases or become resistant to treatments. This is especially important for creating medicines and finding ways to protect ourselves from harmful microorganisms.

In simple terms, AI assists microbiologists in decoding the secrets of microorganisms, contributing to better healthcare, a cleaner environment, and improved industrial processes. Using AI accelerates the discoveries and enhances our understanding of these tiny microorganisms, ultimately benefiting our lives and society in various ways.

The intersection of AI and microbiology not only expedites research but also opens avenues for a deeper understanding of microbial ecosystems, ultimately contributing to advancements in medicine, agriculture, and environmental stewardship.

Thoughts by :  
Dr Nirbhay Kumar  
Bhadani



# Art Section



Het Bhatt  
B.Sc Sem 6



Pandey Nisha  
B.Sc Sem 6





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