



TECNIA INSTITUTE OF ADVANCED STUDIES

NAAC ACCREDITED GRADE "A" INSTITUTE

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Happiness Club




Outreach Activity Report: "Smart Farming: Technology-Driven Solutions for Rural Agriculture"

Title of Activity	Smart Farming: Technology-Driven Solutions for Rural Agriculture
Values	Knowledge, Well-being, Compassion, Empowerment
Learning Outcomes	<p>Students have learnt about</p> <ul style="list-style-type: none"> • Improved Knowledge of Soil Health: Farmers learned how to perform basic soil testing and apply scientific methods to manage soil nutrients, leading to more efficient fertilizer use and increased crop yields. • Adoption of Water Conservation Techniques: Rural communities gained practical understanding of water conservation methods such as drip irrigation and rainwater harvesting, which helped them optimize water usage and enhance productivity in drought-prone areas. • Understanding of Climate-Resilient Farming: Participants became aware of climate-resistant crop varieties and sustainable farming practices, enabling them to combat the adverse effects of climate change on agriculture. • Introduction to Organic and Bio-pesticide Practices: Farmers gained insights into the benefits of organic farming and bio-pesticides, reducing chemical use while maintaining soil health and environmental sustainability..
Objectives	<ul style="list-style-type: none"> • To showcase how scientific innovations can solve common rural problems in agriculture, healthcare, and education. • To provide practical demonstrations of science-based solutions that rural communities can adopt and apply. • To promote scientific awareness and

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	<p>literacy within rural communities, empowering them to make informed decisions for their well-being and economic progress.</p> <ul style="list-style-type: none"> To foster collaboration between local authorities, scientists, and community members for continuous development.
Organized by	Happiness Club
Program Theme	Unlocking Joy: Exploring the Science of Happiness
External Expert / Internal Expert	Internal Expert
Date	15 March 2024
Time	11:00 AM Onwards
Venue	Nangli Poona, Delhi
Poster/Flyer/Notice*	
Social media link (promoting in any one Facebook/Instagram/Twitter is mandatory)	NA
No. of Students* (only no. to be written, list in excel or word should be maintain at department level as proof for any further requirement)	10
No. of Faculty* (only no. to be written, list in excel or word should be maintain at department level as proof for any further requirement)	01
No. of External Participants (students +	NA

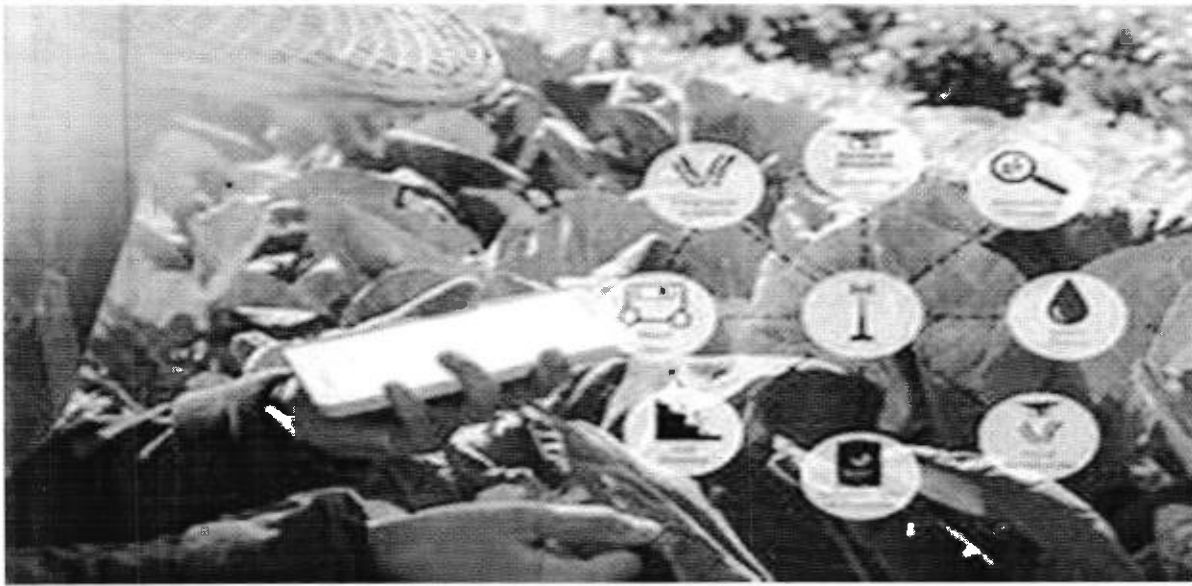
faculty) [write NA if not applicable]



Volunteer explaining Farming Smarter, Not Harder: Revolutionizing Agriculture with Technology

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Happiness *[Signature]* Happiness Club
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Cultivating the Future: How Technology is Empowering Rural Farmers.


Report: Description in (min 250 to max 800 words)*

On March 15, 2024, the Happiness Club of Tecnia Institute of Advanced Studies organized a significant outreach event in Nangli Pooana. The highlight of the event was a seminar led by Dr. Nivedita, an expert in positive psychology, who discussed the scientific basis of happiness and provided strategies to enhance well-being.

The outreach activity, **"Science Transforming Lives in the Rural Sector,"** successfully demonstrated how practical scientific knowledge can improve the lives of rural communities. From agriculture to healthcare, science played a key role in increasing productivity, enhancing health outcomes, promoting environmental conservation, and empowering women and youth. Future outreach activities should focus on scaling up these initiatives, ensuring sustainability, and addressing the infrastructure challenges to further uplift rural communities. The outreach activity, **"Smart Farming: Technology-Driven Solutions for Rural Agriculture,"** was organized by the Happiness Club to empower rural farmers by introducing them to modern agricultural technologies. The initiative aimed to improve farming productivity, sustainability, and income through accessible and practical technology solutions. The event started with an introduction to the concept of smart farming and how

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	<p>technology is shaping the future of agriculture. An expert agronomist delivered a keynote on the importance of adopting technology in agriculture, especially for rural farmers facing challenges like erratic weather, labor shortages, and soil degradation.</p> <p>The activities conducted by the Happiness Club in March were successful in promoting mental well-being and happiness within the community. Positive feedback and increased engagement from participants underscore the effectiveness of these initiatives. Looking ahead, the Happiness Club is committed to expanding its outreach efforts to support more individuals on their journey towards greater happiness. This outreach activity was a significant step in bringing modern agricultural technology to rural farmers. By empowering farmers with the tools and knowledge to adopt smart farming practices, the initiative paved the way for improved productivity, sustainability, and economic growth in rural communities. The Happiness Club will continue to support such initiatives, bridging the gap between technology and traditional farming to create a more resilient and prosperous agricultural future.</p>
Resource Person	Dr. Rubeena Bano – Club In-charge
Attendance Sheet*	<i>Attached at the end of Report</i>
Feedback	This event was well received by society.
Report Submitted by Convener	Dr. Rubeena Bano
<i>For Office Use</i>	
Signature of Event Coordinator	 Happiness Event, Happiness Club Tecnia Institute of Advanced Studies Madhuban Chowk, Rohtak, Delhi-35

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List of Participants

S. No.	Enrolment No	Name
1	36017001722	Anandita Sharma
2	12317001722	Mehak Malhotra
3	36121301722	Vishakha Vaswani
4	06917001722	Ayushi tyagi
5	70421301722	Rubal Narang
6	09821301722	Dhruv Khandelwal
7	00721301722	Bhoomika Jain
8	10521301722	Nancy Garg
9	80117001722	Bharat Gupta
10	70121301722	Geetanshu Gupta


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