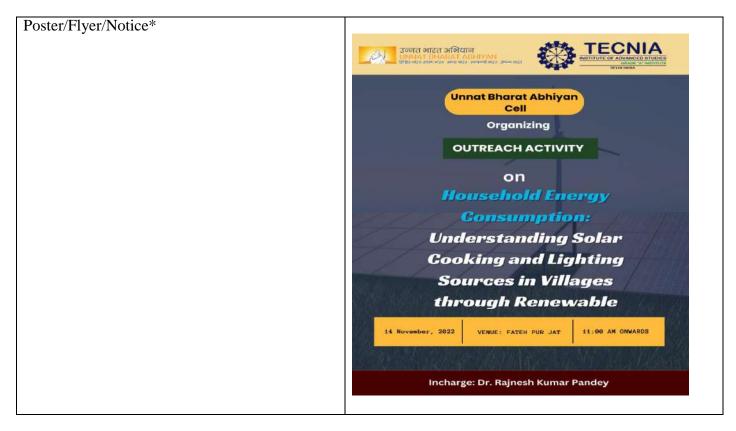


Villages through Renewable energy			
Title of Activity Activity Type	Household Energy Consumption: Understanding Solar Cooking and Lighting Sources in Villages through Renewable energy Outreach Activity		
	Sulleach realing		
Values	 Sustainability Efficiency Affordability Health Empowerment 		
Objectives	 To assess the current energy consumption patterns of households in rural areas. To evaluate the feasibility and effectiveness of solar cooking technologies in village settings. To promote awareness about renewable energy benefits for cooking and lighting among villagers. To identify barriers to adopting solar energy solutions in rural households. To develop recommendations for integrating solar technologies into everyday life for improved energy access. 		
Learning Outcomes	 Assess the impact of solar energy on reducing household energy costs and consumption. Identify effective solar cooking techniques and their benefits for rural households. Analyze the health advantages of using solar energy over traditional cooking methods. 		

Understand the challenges and soluti	
	to the adoption of solar technologies in villages.
٠	Promote awareness of renewable energy benefits
	among rural communities for sustainable living.

Organized by	Unnat Bharat Abhiyan Cell
Program Theme*:	"Renewable Solutions for Rural Energy"
Date*	14-11-2022
Time*	11:00 am onwards
Venue	Fateh Pur Jat
External Expert / Internal Expert	Dr. Rajnesh Kumar Pandey
No. of Students* (only no. to be written, list in excel orword should be maintain at department level as proof forany further requirement)	10
No. of Faculty* (only no. to be written, list in excel or word should be maintain at department level as proof forany further requirement)	1
No. of External Participants (students + faculty) [writeNA if not applicable]	NA



Photograph	"Empowering Rural Women through Solar Energy: A Step Towards Sustainable Living."
Report:	On 14th November 2022, students from TIAS (Tecnia Institute of Advanced Studies) conducted a study under the Unnat Bharat Abhiyan focusing on household energy consumption in Fateh Pur Jat village. The objective was to understand the current energy sources used for cooking and lighting and to explore the potential of solar energy as a sustainable alternative. Given the rising concerns about traditional energy sources and their impact on health and the environment, this study aimed to promote the adoption of renewable energy solutions, particularly solar cooking and lighting, in rural households. The outreach involved engaging with local families, assessing their energy usage patterns, and discussing the benefits of transitioning to solar energy. Through surveys and interactive sessions, the students aimed to gather data on energy consumption practices and the villagers' awareness of solar technologies.
	The outreach program in Fateh Pur Jat underscored the critical need for sustainable energy solutions in rural areas. The findings revealed that while traditional energy sources, such as firewood and kerosene, are widely used, they pose significant health risks and environmental challenges. The villagers expressed interest in solar energy solutions but highlighted barriers such as initial costs and lack of information. Promoting solar cooking and lighting not only offers a cleaner alternative but also enhances

	energy security and reduces dependence on non-renewable resources. The insights gained from this study will contribute to future initiatives aimed at facilitating the adoption of renewable energy technologies in rural communities, ultimately leading to improved living standards and environmental sustainability. The commitment to educating and empowering villagers about the benefits of solar energy is essential for fostering a greener and more sustainable future in Fateh Pur Jat and beyond.
Resource Person Profile	NA
Report Submitted by	Dr. Rajnesh Kumar Pandey
Attendance Sheet	Attached at the end of Report
Feedback	Sample feedback Attached at the end of Report
Signature of Event Coordinator	
For Office Use	

List of Students

Serial	Enrollment No.	Name of the student	Department
No.			
1	04121302422	Sarthak A.	BAJMC
2	04221302422	Kamar Alam	BAJMC
3	04321302422	Jayesh	BAJMC
4	04421302422	Sahil	BAJMC
5	04521302422	Gagan B.	BAJMC
6	36217001722	Aysuh R.	BBA
7	36317001722	Vipul	BBA
8	36417001722	R. Kartikeyan	BBA
9	36517001722	Muskan	BBA
10	36617001722	Paesha	BBA