

**KIT's College of Engineering (Autonomous), Kolhapur**  
**Department of Biotechnology Engg.**  
**Innovative Projects: Product Developments (2021-22 and 2022-23)**

<b>S r. N o.</b>	<b>Product Name</b>	<b>Impact</b>	<b>Developed By</b>	<b>Faculty Incharge</b>
1	Green Potlite	Interdisciplinary work with Mech. Engg. Dept. and through E-Cell KIT	Ms. Eesha Joshi Mr. Om Wakade	Mrs. Sneha Patnawar Dr. PallaviPatil
2	Product development in early stages Biofertilizer	Students took idea from training done in the vacation on Biofertilizers , published research paper and won first prize in National Level Technical Symposia	Third Year Students while learning the course of Fermentation Technology Project Based Learning (PBL)	Mr. Rutuparna Karkare
3	Product development in early stages Fruit Wine	-		
4	Product development in early stages Flavored Paneer	-	Third Year Students while learning the course of Bioseparation Processes Project Based Learning (PBL)	

**Green Potlite Product Developed and Presented in Exhibition of Start ups by Biotech. Engg. Students**



**Molding machine at Mech. Engg. Dept.**



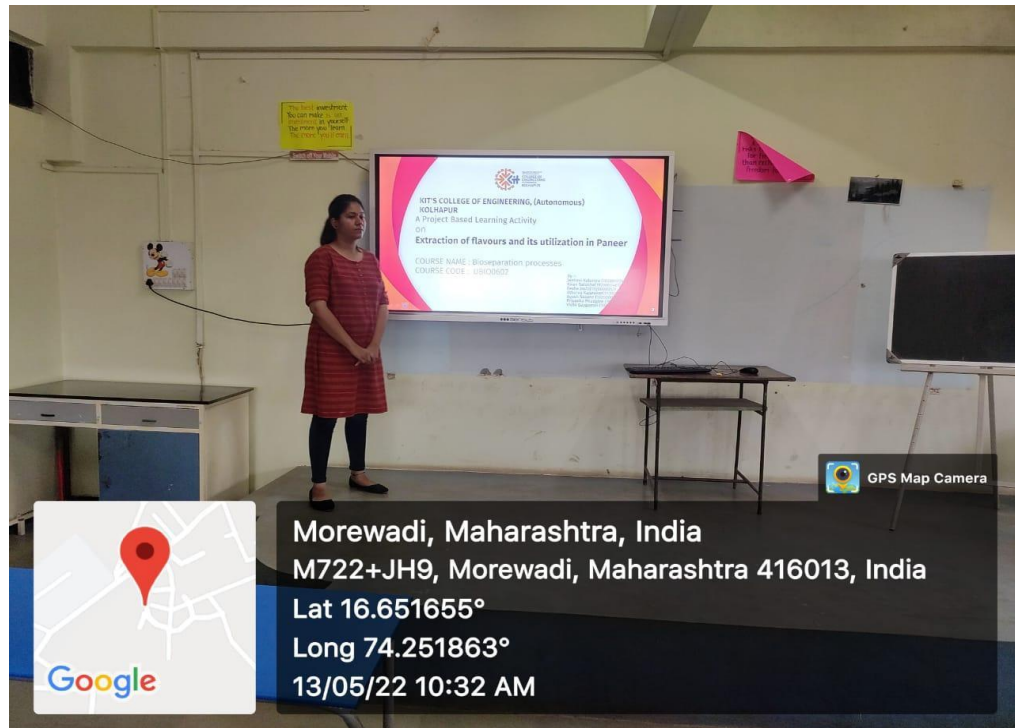
## PBL on Biofertilizer in Fermentation Technology Course



## PBL on Fruit Wine in Fermentation Technology Course



### PBL on Flavor Extraction and utilization in Paneer



## KIT and BARC Collaborative Project

The institute has signed MoU with Bhabha Atomic Research Centre (BARC) for AKRUTI Technology Package for Rural Development Mumbai where Dept. of Biotech. Engg. , Dept. of Civil and Env. Engg. and Dept. of Civil Engg. collaboratively working on 'Rapid Composting Technology' project.





KOLHAPUR INSTITUTE OF TECHNOLOGY'S  
COLLEGE OF ENGINEERING  
(AUTONOMOUS)  
KOLHAPUR

KOLHAPUR INSTITUTE OF TECHNOLOGY'S  
COLLEGE OF ENGINEERING (AUTONOMOUS), KOLHAPUR.



**Project Title**

**"A Rapid Composting Technology for Decomposition of Dry Leaves, Kitchen-Waste and Temple-Waste (RAPID BIOCOMPOST)"**



Technology Transfer under  
Memorandum of Understanding  
between

Bhabha Atomic Research Centre's  
(AKRUTI Tech Plus), Mumbai

&

Kolhapur Institute of Technology's  
College of Engineering (Autonomous), Kolhapur.

**Project Description :** A single microbe (cellulolytic fungus) based formulation has been developed for decomposition of many types of biodegradable wastes like kitchen/market waste, dry plant matter (including coconut leaves), straw/agricultural residue and holy waste from temples. Its application shortens the duration of degradation from years and months (required for natural processes, depending on type of biomass) to a few weeks.

**Co-Investigator**

**Dr. Pallavi Patil**

Biotechnology Engineering Department

**Co-Investigator**

**Dr. Manoj Yadav**

Civil and Environmental Engineering Department

**Principal Investigator**

**Dr. Aditya Khabudkar**

Civil Engineering Department