



SCHOOL OF BIO SCIENCES AND TECHNOLOGY

VIT BIO-EXPO

The School of Bio Sciences and Technology (SBST) is pleased to organize **Bio-Expo**, an event showcasing **Innovative Products** developed through cutting-edge research at VIT.

The details of the **VIT Bio-Expo** are as follows:

Date: 5th August 2026 (Wednesday)

Time: 11:00 AM – 1:00 PM

Venue: SMV Portico

Project Display By:

1. Deepika R - 23BBT0109

Product -1 Iron Truffles.

2. Ananya S S S V - 23BBT0025

Product -2 Diamond Bites (Sesame & Nuts).

3. Saloni Nayak -23BBT0188

Product -3 Beetroot Chips

4. Shuruthi Waran - 23BBT0134

Product -4 Flora Til

5. Rithik Roshini - 25MSM0025

Product -5 Bioplastic sheets from keratin waste (bird feathers)

6. Vinu Sam – 25PDD2004

Product -6 Pectin from orange and lemon peel waste

7. Akshya K - 24MFI0043

Product -7 Health Mix

8. Archana Aloshious – 24PHD0809

Product -8 Fertilizer from Marine Waste

VIT
Vellore Institute of Technology
(Deemed to be University under section 3 of UGC Act, 1956)

VIT BIOEXPO
SBST

Iron Truffles

LITTLE BITES. POWERFUL WITHIN.

WHY IRON TRUFFLES ARE SPECIAL!

- IRON TO FIGHT DEFICIENCY**
Helps improve hemoglobin levels and supports overall vitality.
- ANTIOXIDANTS FOR CELL DEFENSE**
Fights off free radicals, slows cell ageing, healthy looking.
- NATURAL ENERGY SOURCE**
Provides steady energy, prevents fatigue, no crash.
- PROTEIN & MINERALS FOR DAILY STRENGTH**
Supports muscle repair, keeps you strong all day long.
- CLEAR & CONSCIOUS INGREDIENTS**
Made with natural ingredients, free from added sugar and preservatives.

ANTIOXIDANT RICH **IRON PACKED** **ENERGY BOOSTING**

THE BENEFITS YOU FEEL

- BETTER DIGESTION**
Supports healthy gut, improves nutrient absorption.
- IMMUNITY & WELL-BEING**
Boosts your immune system, helps you stay healthy.
- MENTAL FOCUS & MOOD SUPPORT**
Helps with stress, improves focus and mood.
- BLOOD FLOW**
Improves circulation, keeps you energized.
- SATISFYING & SWEET**
A delicious treat that satisfies your cravings.

ESPECIALLY GOOD FOR WOMEN'S HEALTH

- Addresses one of the most common deficiencies among women - iron deficiency.
- Supports hemoglobin production and helps reduce fatigue and weakness.
- Natural ingredients that contribute to healthy skin, hair, and overall well-being.
- A wholesome snack that nourishes you from within.

IRON TONIC, STRENGTH FORHER

MADE WITH WHOLESOME, NUTRITIOUS INGREDIENTS

- IRON-RICH DATE**
Adds natural sweetness and iron.
- ROASTED ALMONDS**
Provides healthy fats and protein.
- ROASTED CASHEWS**
Adds creaminess and healthy fats.
- NATURAL JAGGERY**
Provides natural sweetness and energy.
- PURE GHEE**
Adds richness and aids digestion.
- CARDAMOM**
Adds a warm, aromatic flavor.

NO ARTIFICIAL COLORS **NO PRESERVATIVES** **100% WHOLESOME INGREDIENTS** **CAREFULLY SELECTED & QUALITY ASSURED**

Prepared by: **ANANYA SSSV** Reg. No. **238BT0025**
5TH AUGUST 2026 **SMV PORTICO**

VIT BIOEXPO - WHERE IDEAS NOURISH THE FUTURE!

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Sesame Nuts DIAMOND BITES

Little Bites. Big Nutrition.

GOODNESS IN EVERY INGREDIENT

- WHITE SESAME**
Rich in calcium, healthy fats & antioxidants.
- ROASTED ALMONDS**
Good source of protein, vitamin E & healthy fats.
- ROASTED CASHEWS**
Provides energy, minerals & heart-healthy fats.
- NATURAL JAGGERY**
Provides energy and minerals.
- PURE GHEE**
Enhances taste and aids digestion.
- CARDAMOM**
Adds aroma and supports digestion.

BENEFITS THAT EMPOWER

- IMMUNITY SUPPORT**
Antioxidant rich.
- STRONGER BONES**
High in calcium & magnesium.
- SUSTAINED ENERGY**
Natural & long lasting.
- BETTER DIGESTION**
Cardamom & ghee aid digestion.
- HEART FRIENDLY**
Healthy fats for a healthy heart.

A wholesome blend of roasted sesame, almonds, cashew and natural jaggery - crafted for strength, energy and wellness.

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Flora Til

SMALL BITES. BIG NUTRITION.

GOODNESS IN EVERY INGREDIENT

- WHITE SESAME**
Rich in calcium and healthy fats.
- BUTTERFLY PEA FLOWER**
Natural source of antioxidants.
- NATURAL JAGGERY**
Provides energy and minerals.
- PURE GHEE**
Enhances taste and nutrition.
- CARDAMOM**
Adds aroma and supports digestive wellness.

Wholesome Sesame Bites

THE BENEFITS YOU FEEL

- IMMUNITY SUPPORT**
Antioxidant rich.
- STRONGER BONES**
High in calcium.
- SUSTAINED ENERGY**
Natural & long lasting.
- BETTER DIGESTION**
Cardamom aids digestion.
- HEART FRIENDLY**
Healthy fats for your heart.

A perfect harmony of nature and nutrition, crafted to fuel your body and uplift your everyday wellness.

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Prepared by: **SHRUTHI WARAN** Reg. No. **238BT0134**
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INNOVATIVE BIOPRODUCTS

From Waste to Value

Sustainable Solutions for a Better Tomorrow

 SUSTAINABLE
  WASTE VALORIZATION
  BIO-BASED INNOVATION
  CIRCULAR ECONOMY

FOR A HEALTHIER PLANET
Innovation | Responsibility | Sustainability

5/8/2026

INNOVATIVE BIOPRODUCTS

From Waste to Value



VINUSAM

Pectinase Enzyme from Orange Peel Waste

Nature's Catalyst for a Cleaner Tomorrow

Pectinase is produced through microbial fermentation using discarded orange peels as the primary substrate. This enzyme efficiently breaks down pectin in fruit processing, juice clarification, textile, and paper industries.

By converting waste into a high-value biocatalyst, we promote sustainability, reduce environmental burden, and support green industrial applications.

- Waste Utilization
- High Enzyme Activity
- Eco-friendly Production
- Industrial Applications
- Biodegradable & Safe



RITHIK ROSHINI, JAHNAVI PADMAVATHI

Bioplastic Sheets from Keratin Waste (Bird Feathers)

Strong. Sustainable. Biodegradable.

Our bioplastic sheets are developed from keratin extracted from discarded bird feathers. These flexible, lightweight, and biodegradable sheets serve as an eco-friendly alternative to conventional plastics in packaging, stationery, and disposable products.

This innovation not only converts waste into value but also addresses plastic pollution with a sustainable solution.

- Keratin-based Biopolymer
- Biodegradable & Compostable
- Plastic Alternative
- Lightweight & Flexible
- Sustainable Innovation

REDUCE • REUSE • RECYCLE • RESTORE







Further Details:

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