

# Criterion – 3

Research, Innovations and Extension

NAAC- SSR (2<sup>nd</sup> Cycle)



## ETERNAL UNIVERSITY

BARU SAHIB, SIRMOUR-173101  
HIMACHAL PRADESH

# 3.3.1(3)

## Pilot Plants facilities



**ETERNAL UNIVERSITY**

BARU SAHIB, SIRMOUR-173101  
HIMACHAL PRADESH

## EXTRUSION UNIT



**Extruder**



**Batch Roaster**



**Coating Pan**



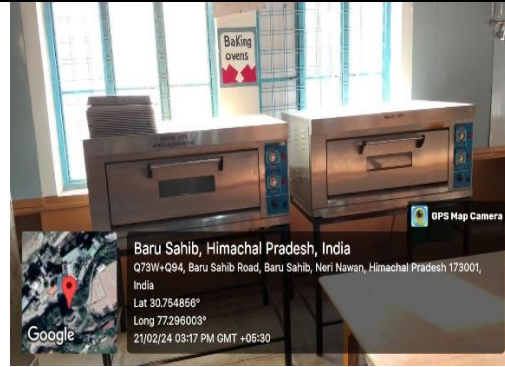
**Packaging Machine**

**BAKERY UNIT**



**Flour Mill**

**Dough Mixer**



**Proofing Chamber**

**Baking Oven**



**Noodle pasta making machine**

**Hot Air Oven**

**FRUIT AND VEGETABLE PROCESSING UNIT**



**Fruit Crusher**



**Fruit Juice Extractor**



**Fruit Pulper**



**Homogenizer**



**Hydraulic Press**



**Microwave oven**



**Potato Peeler**



**Potato Slicer**

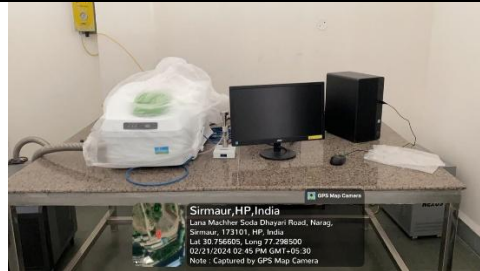
## AKAL FOOD SAFETY AND QUALITY CONTROL LABORATORY



**Gas Chromatography Mass Spectrophotometer (GCMS/MS)**



**High Pressure Liquid Chromatography (HPLC)**



**Differential Scanning Calorimeters (DSC)**



**UHPLC Amino acid analyzer**



**Liquid chromatography-mass spectrometry**



**Spectrophotometer**



**Water distillation unit**



**Centrifuge**



**Ultrasonic cleaner**

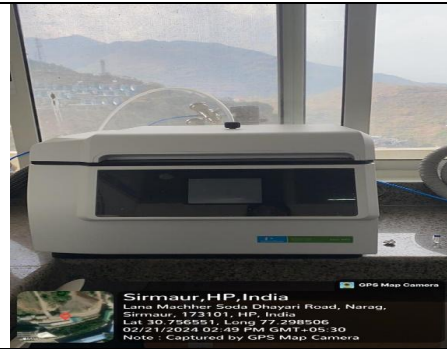


**Ultra sonicator**



Sirmaur, HP, India  
Lana Machher Soda Dhayari Road, Narag,  
Sirmaur, 173101, HP, India  
Lat 30.756551, Long 77.298506  
02/21/2024 02:49 PM GMT+05:30  
Note - Captured by GPS Map Camera

**Micro-digester**



Sirmaur, HP, India  
Lana Machher Soda Dhayari Road, Narag,  
Sirmaur, 173101, HP, India  
Lat 30.756551, Long 77.298506  
02/21/2024 02:49 PM GMT+05:30  
Note - Captured by GPS Map Camera

**Micro-digester**

**STEAM PROCESSING UNIT**



**Boiler**



**Retort pouch machine**



**Steam Jacketed Kettle**



**Shrink packaging machine**