

# Criterion – 3

Research, Innovations and Extension

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



## ETERNAL UNIVERSITY

BARU SAHIB, SIRMOUR-173101  
HIMACHAL PRADESH

# 3.3.1(10)

## Transfer Technology



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## Apiary Unit

In 2017-2018, Eternal University have launched the "Apiary Unit" located in Tehsil Pachhad, District Sirmour of Himachal Pradesh, with 10 bee hive boxes hosting European honey bee (*Apis mellifera*) colonies. This initiative was primarily aimed at advancing the Sustainable Development Goals (SDGs) by fostering socio-economic progress among rural farmers and promoting environmental sustainability. Owing to the high-quality production, our honey quickly gained substantial demand. However, our production capacity fell short of meeting this demand, prompting us to expand the unit. The surrounding areas of Eternal University boast a significant expanse of untamed lands unsuitable for traditional agriculture. These lands are rich with diverse medicinal plants and wildflowers, rendering this region highly conducive to beekeeping endeavors. Beekeeping serves as a sustainable resource-based farming system, characterized by its positive impact on ecology, agricultural activities, and resource conservation programs.

Link: <https://eternaluniversity.edu.in/content/apiaryunit>



## Vermicompost Unit

Eternal University has established two "Vermicompost Units," each measuring approximately 20x20 feet. These units employ the *Eisenia fetida* species of earthworms for efficiently converting organic waste into compost. Recognized for its rapid decomposition of organic matter, this species of earthworm is deemed highly effective for the task. We conduct training sessions for agricultural students and local farmers on the vermicomposting process, wherein they learn to convert organic waste materials into valuable compost. Additionally, on-campus training programs are organized for local farmers to raise awareness about the economic viability and sustainability of using bio fertilizers, such as compost.

Link: <https://eternaluniversity.edu.in/content/vermicompostunit>



### **Silage production unit**

Globally, there is a significant demand for high-quality silage, which serves as conserved forage for livestock, especially due to intense competition for limited arable land. Presently, the production of quality feed represents a primary environmental concern in livestock production. In sustainable animal husbandry, the ensiling of fodder faces numerous challenges but also presents opportunities to enhance farm productivity while mitigating environmental impacts. At Eternal University, two silo pits have already been constructed within the premises of Akal Dairy Farm. These pits are utilized for ensiling fodder crops such as maize, sweet sorghum, and pearl millet, known for their nutritious qualities in silage production. The silage unit also provides demonstrations to local farmers on the process of silage making and the use of a chafer cutter.

Link: <https://eternaluniversity.edu.in/content/silageunit>

