



PERSONAL PROTECTIVE EQUIPMENT FOR BEEKEEPERS



Introduction

- Beekeeping is the maintenance of honey bee colonies, commonly in hives, by humans.
- A beekeeper (or apiarist) keeps bees in order to collect their honey and other products that the hive produces.



Beekeeper's suit

- Among all the other accessories, beekeeper's suit is one of the most important tools a beekeeper can have.
- It protects against the stings and helps the beekeeper stay calm when bees get agitated.













Current Status

- Visited a beekeeping place in Wardha, Maharashtra.
- Systematic understanding of beekeeping and honey Hunting
 1. Honey Bees
 2. From Making the equipment to selling the honey
 3. Beekeeping in India
 4. Different methods around the world
- Problems Identified
- Studied researches on Bee biology
- Studied similar protective suits – Lab suit, Thermal suit etc.
- Started Initial Ideations and material explorations
- Started learning stitching



Timeline

- **January** – Site visit and Initial Data Collection
- **February** – Final Data Collection, Initial Concepts
- **March** – Initial prototypes and Final concept
- **April** – Final design, Final prototype and Report



Expected Deliverables

- Design and working prototypes of Protective equipment for beekeepers and full report.



Image References

- <https://www.rowsehoney.co.uk/rowse2017/wp-content/uploads/2015/09/about-beekeeping@2x.jpg>
- [https://en.wikipedia.org/wiki/File:Die_Bienenz%C3%BCchter_\(Bruegel\).jpg](https://en.wikipedia.org/wiki/File:Die_Bienenz%C3%BCchter_(Bruegel).jpg)
- http://1.bp.blogspot.com/-GwtClbTIMmY/U1W_I_NI09I/AAAAAAAAAGqU/_dGXMnIXDE/s1600/Honey-Hunting.jpg
- <http://blogs.r.ftdata.co.uk/photo-diary/files/2013/04/gazabees.jpg>
- <https://manukahoneyusa.com/wp-content/uploads/2016/06/Beekeeper-Sil.jpg>



Thank you