

## Task-6

### Gap analysis on -Implementing IoT in Smart Farming

# Gap Analysis

Let's figure out how we can improve the following situations.

|                     | Existing Situation                         | Target Situation                                  | Gaps                                | Fix Needed   | Skills Developed                                |
|---------------------|--|---|-------------------------------------|--|---|
| Technical Skills    | Limited exposure to IoT technologies       | Proficiency in using IoT devices and applications | Lacks of technical expertise in IoT | Conduct hands -on training on IoT and its application                | Problem-solving,adaptability,collaboration      |
| Data Interpretation | Basic understanding of farming data        | Advanced data analysis for actionable insights    | Limited analytical capabilities     | Develope user-friendly dashboards and provide data analysis training | Analytical thinking,ideation,prototyping        |
| Resource management | Traditional resources management prectices | Optimized usage with IoT insights                 | Limited optimization strategies     | Design workshops to teach IoT-enabled resource management strategies | Empathy,collaboration,adaptability              |
| Maintenance Skills  | Difficulty in maintaining IoT devices      | Ability to troubleshoot and maintain equipment    | Insufficient maintenance expertise  | Create a guide and offer technical support for device maintenance    | Adaptability,problem-solving,iterative learning |