



Gender determination of chick and smart Environment Monitoring System"(GEMS)



~ One Stop Solution for Smart Poultry Management ~

Objective:

- ❑ Sensor based IoT framework for poultry environment monitoring to improve health and productivity
- ❑ Smart Poultry Management software
- ❑ Acoustic analysis to monitor poultry health and chick's sex determination

System Features:

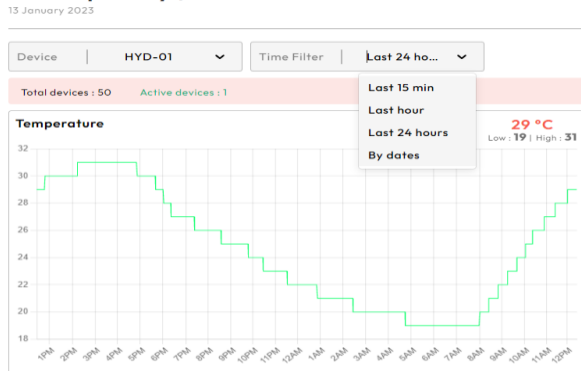
- ✓ Automatic environment parameter monitoring
- ✓ Alarm generation based on threshold value of environmental parameter
- ✓ Data stored in Cloud Server.
- ✓ Data can be seen at different time interval and can be saved in .csv file for further analysis
- ✓ AI enabled decision support tool



Flow diagram of the proposed digital recording, web based transcription and reporting interface

Gender detection of chicks based on vocalization

Smart poultry | Home



Partial screen shot of the smart poultry



Sensor Node installed at Commercial Broiler Farm

Prospective End Users:

- Poultry Farm Industry
- Small Poultry Farmer
- Research Institute like ICAR-DPR



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