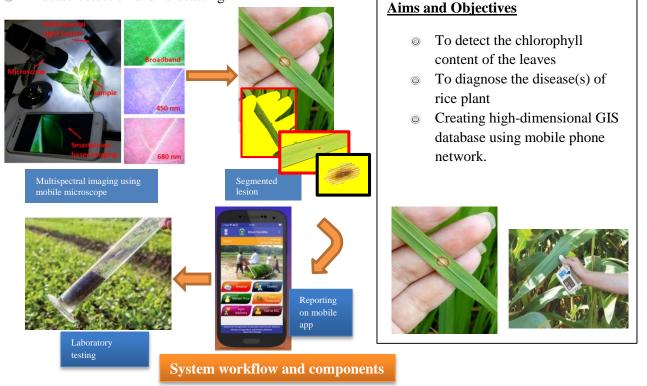
Low-cost Handheld Plant Health Monitoring Device for Resource Limited Regions

Investigators: Tania Bera (IIT Kharagpur), Subhamoy Mandal (TU München)

Vision

- Low-cost plant health monitoring
- Management of nutrients and irrigation
- Disease detection and forecasting



Field testing and experimental plan

• <u>Phase I</u>

- Initial testing and validation in agricultural field of Dept. of AgFE, IIT Kharagpur (*underway*)
- For validation, data collection and observation in a 2nd rice season
- Phase II
 - Wider testing with upto 200 farmers with help of NGOs.
 - Based on Phase I success an extended grant application will be submitted.

Collaborations

- Collaboration with EE and E&ECE departments at IIT Kharagpur (Student project/internship offered)
- Collaboration with NGOs
- Collaboration with Government organizations and departments.





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