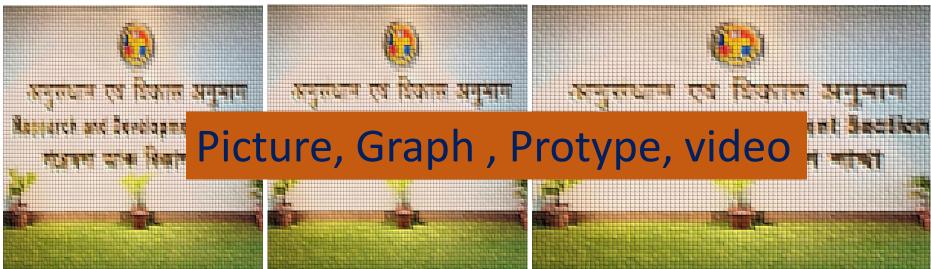
Title of Project Title of Project Titl



Theme, Objective, Deliverables Theme, Objective, Deliverables

- Highlights, Achievements, Noteworthy aspects Highlights, Achievements, Noteworthy aspects
- Highlights, Achievements, Noteworthy aspects Highlights, Achievements, Noteworthy aspects Highlights, Achievements, Noteworthy aspects Highlights, Achievements, Noteworthy aspects
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- Highlights, Achievements, Noteworthy aspects Highlights, Achievements, Noteworthy aspects





Picture, Graph , Protype, video





Clean Energy and Affordable Healthcare Materials and Devices

VTM and RNA extraction kits approved by ICMR Validated by GMCH

COVID-19 kits launched by Dr. Himanta Biswa Sarma, Hon'ble Minister of Health and Family Welfare, Govt. of Assam

Very Low-cost,

Portable sensor

Rapidly detects DCP vapor

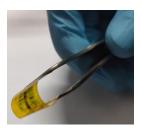
Bright visual signals from LEI

Multiple output signals

Loud alarm buzzer

Remote Access

Atmanirbhar Bharat Abhiyaan **COVID-19 kits manufactured** in Assam State





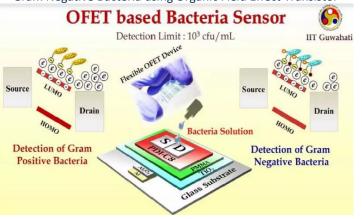




AIE Conjugated Polyelectrolyte for Latent Finger Print Detection



Rapid Detection and Discrimination of Gram Positive and Gram Negative Bacteria using Organic Field Effect Transistor



AIE Based LED multicolour emitting device

Device Bd

Device WI

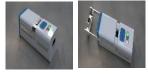
Device W2

Device W.

00 500 600 700 800 Wavelength (nm)

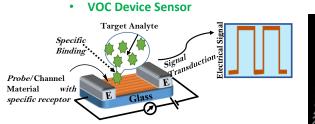
ACO/AIEE Transforma Aqueous Phase Detection (LOD/81 ppt)





Multilayer perovskite photovoltaic Multi layer Device Counter **Buffer** lav ETL **Active layer** HTL

ITO/FTO

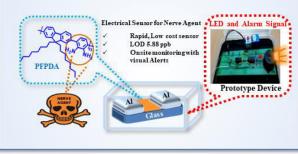


- **Highly Selective to analytes**
- Low concentration detection ٠
- Gas or Liquid detection
- Portable device ٠

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- Both reusable as well as disposable
- Nerve gas agent Device



Prof. Parameswar K. Iyer, IIT Guwahati

