Team KiNamDibo

Team Code: 807

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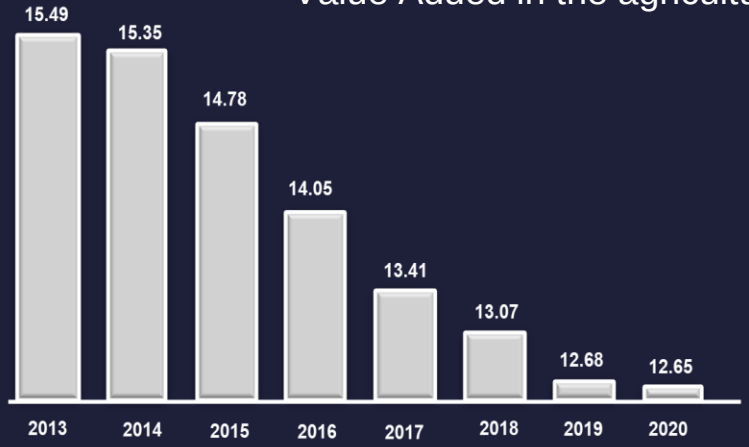
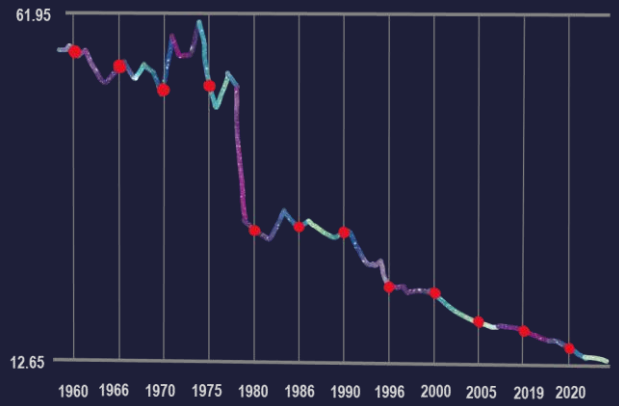
	Voktho Das	BUET
	Fariza Siddiqua	BUET

In Our Country

Value Added in the agriculture sector as percent of GDP



Recent Data [2013 - 2020]



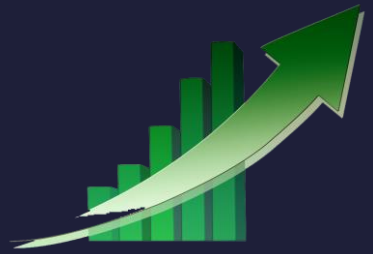
Historic Data [1960- 2020]

- Around 84 percent of the rural people of the country depend on agriculture for their livelihood directly or indirectly
- Agriculture is primary source of employment, livelihood, and food security for the majority of rural people and provides raw material to industry and contributes to country‘s exports
- Agricultural land in Bangladesh was measured at 92 percent of land area in 1976, which reduced to 87.69 percent and 83.53 percent over the years of 2000 and 2010 respectively

Problem Identification

Less efficient and less effective methods of harvesting

Lack of technological integration



Facing challenges while attaining full potential

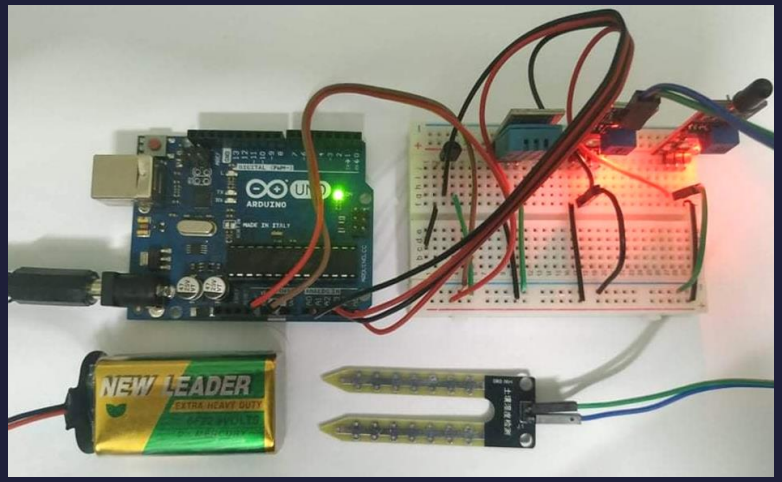
Usage of Non-renewable energy

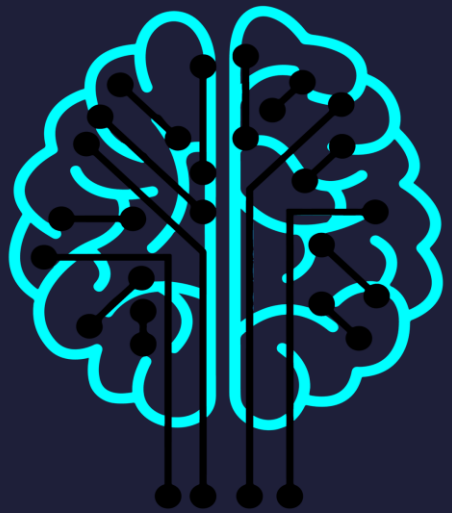

Consequence

Objectives

- Build an Sustainable Energy Efficient Technology
- Crop Prediction Using AI by Reading the field data from sensors
- Build a Technology Integrating Sensors, Arduino & GSM Module
- Record the Data of the field for future use
- Provide both pre-harvest & post harvest Services

Our Technology





Arduino & Sensors

Artificial Intelligence

Integrated platform to provide data driven insight and recommendation for improving harvesting and agricultural output.

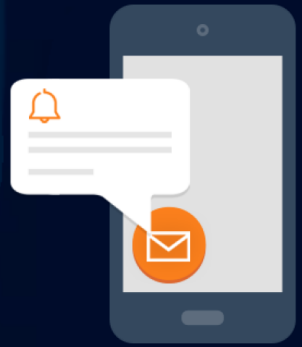
WHAT **WE DO**

Data Collection

Record Keeping

Process Stored Data

Prediction



SMS

Impact Of Our Venture

SDGs

Reduce population below 10% poverty line

Increase cultivable land by 55%

Increase renewable energy consumption

Reduce unemployment rate below 3%

Ensure sustainable consumption and production

Increase area of green land by 25%

Increase government revenue as a proportion of GDP

Impact on Agriculture

16.5 Million

Impacting Farmers Through Data Driven Assistance In Smart Farming

1471.8 Million Pound

Carbon Emission from Coal and Natural Gas can be Reduced in a Day

660 MW

Energy can be Saved per day consumption

Our Partners and Customers

PARTNERS

CUSTOMERS

Unit Economies

Retail Price
BDT 3000

Product Cost
BDT 1250

Expense
BDT 450

Net Profit
BDT 1300

Scaling Up

Year	Investment	Profit	Reach
2022-2023	BDT 4,00,000	BDT 5,20,000	400 Customers
2023-2024	BDT 7,50,000	BDT14,30,000	1,100 Customers
2024-2025	BDT 6,00,000	BDT 42,90,000	3,300 Customers
2025-2026	BDT 5,00,000	BDT 1,10,50,000	8,500 Customers
2026-2027	BDT 10,00,000	BDT 2,76,25,000	21,250 Customers

Competitor Analysis

	iFarmer	iPage	Fasholi	Shufol
Radically Scalable	✓	✓	✓	✓
Local Presence in Rural Area	✓	✗	✓	✓
AI Based Technology	✗	✓	✗	✓
Flexible Service	✓	✗	✗	✓
Real-time Data Driven Insight	✗	✗	✗	✓

Market Plan

Phase 1: Initial Market

• Sylhet

Phase 2: Developing Market

• Sylhet • Dhaka • Khulna • Chittagong

Phase 3: Market Expansion

• Whole Country

Our Team

Thauhidul Islam Rahi

Swojan Datta Sammya

Fariza Siddiqua

Voktho Das