

Annual Report 2023

The Foundation for Advancement of Essential Diagnostics (FAED)



At a Glance

Organization Highlights	Our Year In hindsight	Projects & Collaborations	Our Model and Processes	Our People Looking Ahead
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Foreword



Mustafa Barbhuiya, PhD
Founder Director

"The impact we dream to make in every patient's life drives every effort we make. If we stay true to our values and remain tenacious in our resolve, the future of healthcare delivery is ours for the taking."

This year marked the five year anniversary of the foundation. During the year 2023, the FAED in India achieved several milestones. The organization obtained the Department of Scientific and Industrial Research, Government of India recognition as a Scientific and Industrial Research Organization. The FAED also obtained the Foreign Contribution Regulation Act (FCRA) registration. The team FAED in Guwahati has been conducting needs and gaps assessment surveys of 'ICMR-NEDL (Indian Council of Medical Research- National Essential Diagnostics List' across Assam's health systems. FAED has identified anemia hot spots in several poverty stricken districts in Assam and developing intervention models based on the recommendations of 'Anemia Mukh Bharat' campaigns and other scientific intervention models. Our efforts to end TB through screen, diagnose and appropriately treat the TB patients remain a cornerstone to eliminate TB from India.

We envision several of these activities relevant to healthcare needs of people of North East India to continue. Fast forward, in the coming years, the FAED will expand its 3D Mission activity pan-India around the primary healthcare delivery as mentioned in this report. We have a 1.4 billion plus population in India. Approximately, 70% of whom are currently living in over 650,000+ villages with a very informal healthcare delivery system.

The impact we dream to make in every patient's life drives every effort we make within FAED. If we stay true to our values and remain tenacious in our resolve, the future of healthcare delivery is ours for the taking.

We are grateful and appreciative of funding agencies, donors, volunteers, friends and supporters in our journey. We have a learned scientific advisory board and institutional ethical committee to whom we are grateful for their guidance.

Looking forward to your continued support in this journey.

I, on behalf of the Team FAED, wish you a very happy, healthy and prosperous new year 2024 ahead.

Mustafa Barbhuiya
December 26, 2023

Highlights

FAED - The Organization

Foundation for Advancement of Essential Diagnostics (FAED) is a Section 8 non-profit organization registered on Nov 19, 2018. FAED is a recognized Scientific and Industrial Research Organizations (SIRO) by the Department of Scientific and Industrial Research (DSIR), Ministry of Science and Technology, Govt. of India. FAED is committed to research and development in the areas of clinical laboratory management, pathology, laboratory medicine and diagnostics.

FAED aims to augment the 'Essential Diagnostics List' (EDL) of the World Health Organization and implement it in the Indian health care system.

Vision: To provide health care benefits to society to prevent unwanted deaths due to lack of accurate and timely diagnosis.

Mission: Providing affordable and accessible diagnostic and healthcare services to the underserved people in India and eventually to entire southeast Asia.

Core Purpose: Provide high quality laboratory medicine services for accurate and timely disease diagnosis to most of the underserved population.

Core Values: Earnest servitude to better human health and life through the practice of one world one health.



FAED's 2023 in hindsight

To watch the video, click the link below.

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1. FAED got recognition as a **Scientific and Industrial Research Organizations (SIRO)** from the Department of Scientific and Industrial Research (DSIR), Ministry of Science and Technology, Government of India on June 02, 2023.

2. FAED received **FCRA (Foreign Contribution Regulation Act, 2010) certification** from FCRA Wing, Ministry of Home Affairs, Government of India on October 13, 2023.

3. Received a **Certificate of Appreciation from CEO, Guwahati Biotech Park** during felicitation program held on 20 June 2023 at Guwahati Biotech Park, Guwahati, Assam.



FAED office and lab space has been acquired in BioNEST-TIDF, Research Park, IIT Guwahati, Assam. The lab space provides access to research facilities and equipment within the IIT campus to enable on-going projects and generate data for future projects and grants.

Tuberculosis Screening Program

In Assam, the average TB incidence rate of Assam (710/100000) is very high compared to the national average (188/100000).

To support the National Tuberculosis Elimination Program (NTEP) program, FAED has established a Memorandum of Understanding (MoU) with Assam state TB cell to facilitate these efforts.

FAED acquired and refurbished a van for a Wellness on Wheels program under collaborative approach with State TB Cell to combat TB.

Wellness on Wheels

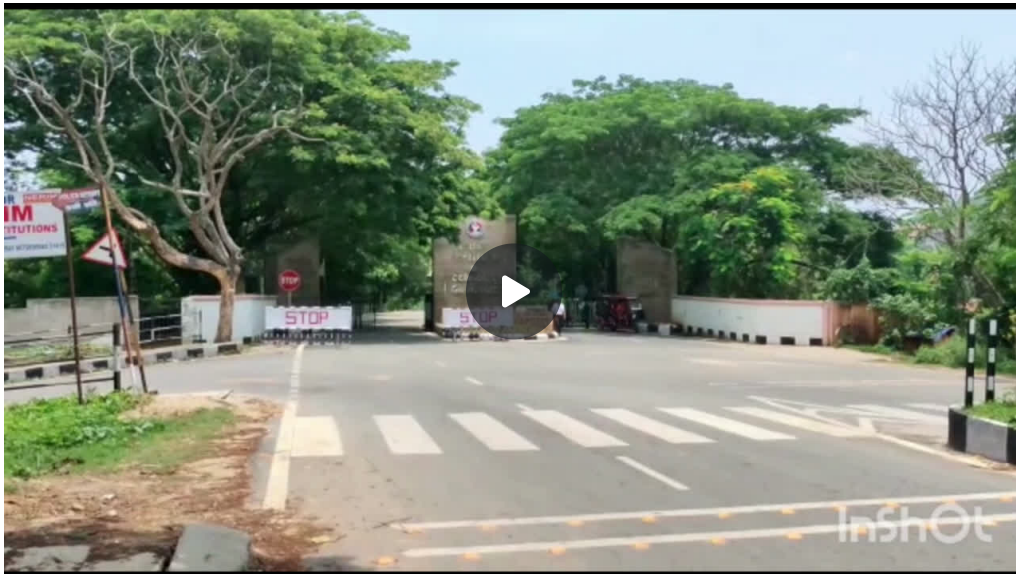


TB screening camps



Tuberculosis screening camps were held in collaboration with District Health Department at various places of Kamrup Rural district. We have collected samples for AFB testing of around 200 individuals of Kamrup Rural district of Assam.

Our new office and laboratory

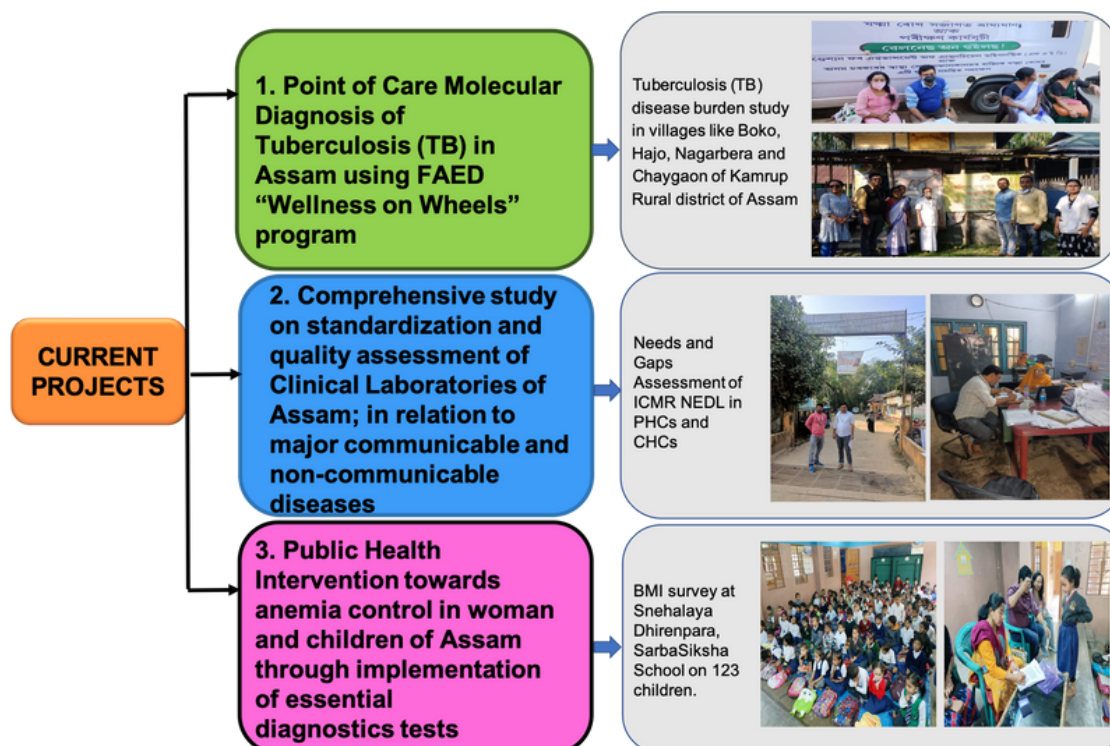
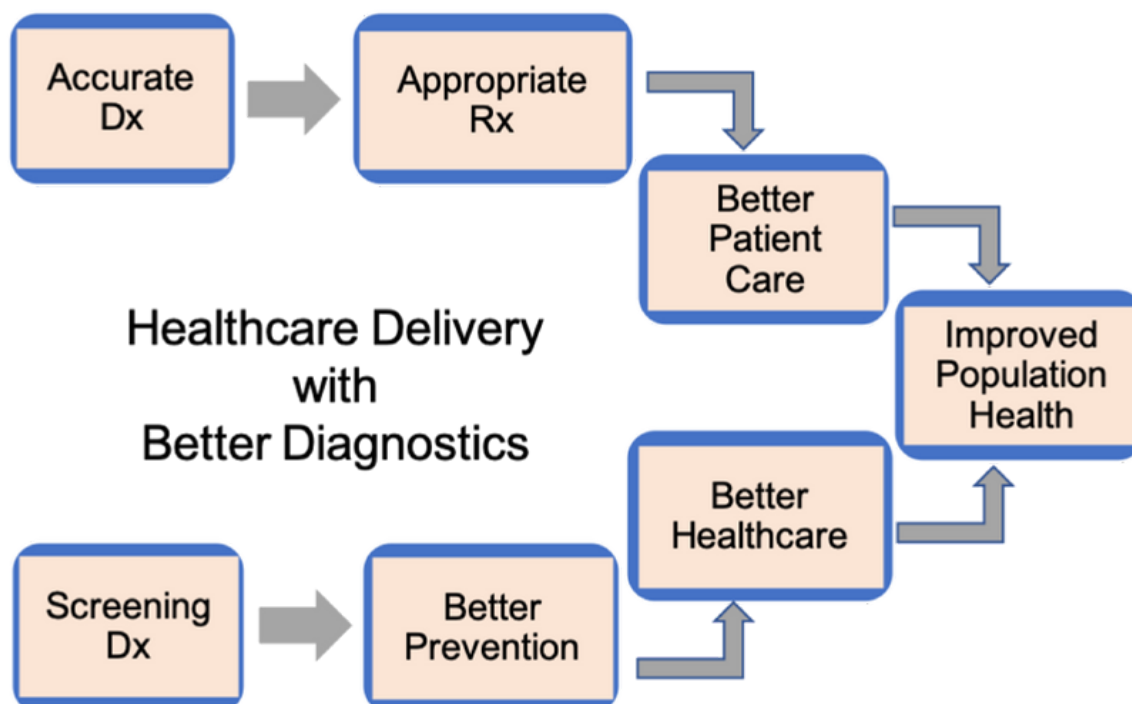


This video takes you on a virtual tour of the FAED office and lab space at BioNest, IIT-Guwahati.

To watch the video, click the link below.

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Our Dogma of Healthcare Delivery



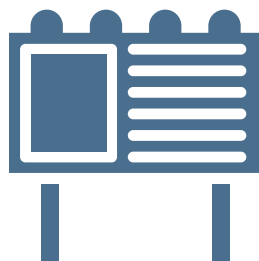
Projects submitted to different funding agencies

1. 'Development of Rapid Molecular Diagnostic Kit for Hepatitis C Virus Using CRISPR-Cas Genome Editing Technology' submitted to Science and Engineering Research Board (SERB), Department of Science and Technology (DST), Government of India.
2. 'Identification and characterization of small regulatory RNA in clinical origin drug-resistant *Streptococcus pneumoniae* in Assam: Genomics approach' submitted to the Indian Council of Medical Research (ICMR), New Delhi, Government of India.
3. 'Public Health Intervention study on anaemia related morbidity in rural, Assam' submitted to the Association for India's Development (AID), USA.
4. 'HPV screening, determination of HPV vaccine status in the women population in rural Assam: Advocate screening and vaccination to prevent cervical cancer' submitted to the Bill & Melinda Gates Foundation, USA.

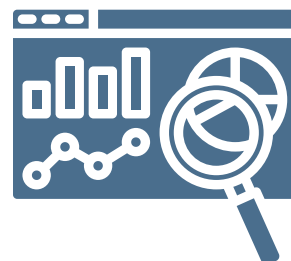
Our working philosophy is through community engagement in healthcare delivery, multilingual public health communication, data analytics, needs and gaps assessment and studying disease dynamics.



***Community engagement for
Healthcare Delivery***



***Multilingual Public Health
Communication***



***Data Analytics & Disease
Dynamics***

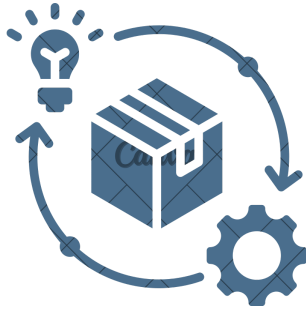
Our Model and Processes

Our three dimensional model is based on innovation, evidence generation and integration of CRE in healthcare delivery



CRE- is the three dimensions of FAED activities

- In Clinical service, our focus is accurate diagnosis through leveraging best tools and techniques. Integrated Clinics and Diagnostic Centers baseline activity is **C- FAED's primary mission.**
- Research on disease dynamics, gaps and needs analysis of In Vitro Diagnostics (IVD) for the population health needs of NE India to begin with and later in all India as Phase II. Part of our Integrated Clinics and Diagnostic Centers activity is the **R- FAED's secondary mission.**
- On Education- roll out biomedical education plans, Continuing Medical Education (CME)s, Medical Laboratory Science courses, fellowships for MBBS students, advanced training for primary healthcare workers, through our Integrated Clinics and Diagnostic Centers- **E- the tertiary mission of FAED.**



Innovation



Evidence generation



Integration of CRE

Our People

People are the driving force of this organization. It is our commitment to provide an empowering and supportive environment that enables the team members to fulfill their dreams and maximize their potential through impactful work in the mission areas of FAED. This will ensure a long term positive impact on everyone's life and livelihood while we take on solving difficult healthcare delivery problems for millions. This year we are delighted to onboard two new full time members.



Dr. Amaj A Laskar
Scientific Director



Ms. Anamika Baruah
Administrative Director



Dr. Biswajit Chakraborty
Research Scientist



Mr. Abhisekh Chetry
Accounts & Admin Officer

Newly appointed:

Dr. Amaj Laskar, has been appointed as the Scientific Director FAED, BioNEST Incubation Centre IIT-Guwahati on October 1, 2023

Mr. Abhisekh Chetry, has been appointed as the Accounts & Administration Officer (AAO) on November 15, 2023.

Our Planet

The idea of 'One World One Health' stems from the well-being of every living being in the ecosystem from the preserved natural habitats (plants and animals) to the human welfare. Our logo reflects the idea of 'One World One Health' for a better and healthier planet.



~ “When you do things from your soul, you feel a river moving in you, a joy- Rumi” ~

Looking Ahead

As we have a vision to expand our activities pan-India, we have pending funding applications pending to several grant agencies. We aim to raise an amount of Rs. 5000000.00 (Rupees Fifty Lacs only) for our next fiscal year to continue the activities of mission area of FAED.

Financial Outlook

Indian Rupee (Rs)	Present Fiscal Year 2022-2023*	Next Fiscal Year 2023-2024 projected**
Revenue from donations	1250000.00	5000000.00
Costs	1250000.00	4000000.00
Earnings/Deficits	Nil	1000000.00

**Fiscal Year is April 1 to March 31; **Depends on the grants and funds applied*

We are looking for partners, collaborators and supporters. We appeal to the philanthropic organizations, individual donors and funding agencies to support the programs of FAED. We also look forward to participate in the competitive call for proposals.

Further information

Previous Year Annual Reports: https://faed.in/?pg=annual_reports

Publications and articles: <https://faed.in/?pg=publications>

Other links : https://faed.in/?pg=press_media

Contact Us

For further information, please reach out to us at **admin@faed.in**

FAED

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Indian Institute of Technology, Guwahati
781039, Assam, India

Email: admin@faed.in

Website: www.faed.in

Donation

Financial contributions are highly appreciated from generous donors to help FAED in its goal of providing health care benefits to society to prevent unwanted deaths due to lack of accurate and timely diagnosis.

Registration & Accreditation

- CIN: U73200AS2018NPL018870
- PAN: AADCF5651Q
- 12A: AADCF5651Q22KL01
- CSR: SRN-T94944113
- DARPAN ID: AS/2021/0298848
- DIPPP NO: DIPPP78683
- ROC LICENSE NO: 113291
- DSIR SIRO Certification: 14/912/2023-TU-V
- FCRA REG. NO: 020780179

You can send donations to:

Account Name: Foundation for Advancement of Essential Diagnostics

Account Number: 198905000835 **IFSC :** ICIC0001989

Bank Name: ICICI

Bank Branch Name: Beltola Branch

End of Report

