C-CAMP COVID-19 INNOVATIONS DEPLOYMENT ACCELERATOR (C-CIDA)

C-CIDA WEEK-3 STARS FOR IMPACT

Near Deployment Ready

1. AI & ML Based Pre-Screening And Monitoring
   - Alkenist
   - Predible
   - Docturnal

2. Diagnostics
   - SALCIT
   - Huwel Lifesciences Pvt. Ltd

3. Novel Therapeutics Approaches
   - Ostempeutics

4. Telemedicine
   - UQ

Supported by:
- C-CAMP
- UNAIDS
- Social Alpha
- India 2022
- MedTechConnect
- PATH
- ACT
- 91Springboard
- Xyleo
- Clinical Research Society
- Centre for Cellular and Molecular Biology
- Atal Incubation Centre
- Atal Innovation Mission
C-CAMP COVID-19 Innovations Deployment Accelerator (C-CIDA) to accelerate immediate deployment of near-ready innovations to help contain the COVID Pandemic.

The initiative by C-CAMP has now been joined by multiple partners: UNHIE, Social Alpha, XYNTEO India2022, MedTechConnect, India Health Fund, AIC CCMB and CCMB and the latest addition, PATH, Action COVID-19 Team, ACT, India’s biggest non-governmental funding mobilization effort and 91Springboard.

Based on the assessment, we will help in fast-tracking promising innovations for pilot deployment, scaling through industry partnership, and regulatory pathway as well as connecting with investors, ACT will consider select CCIDA applications for funding support.

Selected innovations will also get fast track technology assessment, HTA and an opportunity to get scale-up investment and implementation as facilitated by United Nations Health Innovation Exchange or UNHIE.

Support in industrial/manufacturing opportunities through India2022 and MedTech Connect networks, Opportunity to raise funding from India2022 partners, Support towards operational validation and field implementation to facilitate entry into the healthcare systems from PATH.
AI & ML Based
Prescreening &
Monitoring
Cough Sound Based Screening
Point of Care & Non-Invasive Screening for ncovid-19
# Cough Sound Based Screening: Point of Care & Non-Invasive Screening for ncovid-19

## Key Features

<table>
<thead>
<tr>
<th>Recording through Microphone Array</th>
<th>Recording through Mobile Phone – Home based</th>
<th>Data Analytics - Machine/Deep Learning</th>
<th>Can be used for Prognosis</th>
<th>Results Shared with the Individual</th>
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## Manufacturing Capacity
- 2 weeks from the time data from ICMR or any such entity is received around ncovid19

## Basic Requirement
- Financial Support
- ncovid19 training Data
- Public Health Connects during a rollout
- Mentorship

## Price/Unit
- Clinical Grade Implementation: Rs. 100 (including consumables)
- Home based screening: Rs. 75/screening
Swaasa
A platform for respiratory health checkup
**Swaasa**: a platform for respiratory health checkup

### Key Features

- Composite risk score based on symptoms and AI based cough sound analysis
- Obstructive vs Restrictive respiratory disorder identification & differentiation
- Phone app based cough sound recording
- Location based population risk assessment & monitoring
- Predict exacerbations - send alerts

### Manufacturing Capacity

- Application is ready
- Beta testing going on
- Already deployed in hospitals

### Basic Requirement

- Connection with government
- B2B Model

### Price/Unit

- Rs 2 to Rs. 7 per assessment
LungIQ

Leveraging Lung CT scans to discover accurate and quantitative insights
**LungIQ: Leveraging Lung CT scans to discover accurate and quantitative insights**

### Key Features

<table>
<thead>
<tr>
<th>Pre-screening and monitoring using CT scans</th>
<th>Deep Learning technology</th>
<th>90% Performance rate</th>
<th>Accurate and quantitative insights</th>
<th>Assistive diagnostics for doctors to monitor disease progression efficiently</th>
</tr>
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</table>

**Manufacturing Capacity**
- Product is ready and deployed in few organizations
- 2-4 weeks to further finetune

**Basic Requirement**
- Efficient tool for the triaging of high-risk patients for RTPCR testing
- Acceleration funding: Rs 50 lakhs

**Price/Unit**
- Rs. 100/ Scan (does not include scan cost)
Quickdiag
Smart AI based analysis of X-ray and CT-Scans

Bengaluru
Quickdiag: Smart AI based analysis of X-ray and CT-Scans

Key Features

- Scanning using one slice of CT Scan
- Cloud based solutions
- Robust AI algorithm for detection
- Interoperable with multiple scanners
- 4 times faster scanning

Manufacturing Capacity

- Deployable in 1 month

Basic Requirement

- Scaling up support
- Funding of Rs. 30 - 50 lakhs

Price/Unit

- Rs. 100 – Rs. 200/Scan (does not include scan cost)
Novel Therapeutics Approaches
Stempeucel®
Mesenchymal Stem Cell therapy for COVID-19 lung disease
Stempeucel® : Mesenchymal Stem Cell therapy for COVID-19 lung disease

Key Features

- Mesenchymal Stem Cell product
- Allogeneic regenerative medicine therapy
- Immunomodulation to control cytokine storm in covid patients
- Allogeneic, cryopreserved, off-the-shelf
- Orphan Drug Designation (ODD)

Manufacturing Capacity
- In phase 1 clinical trials
- 8-9 months to reach market

Basic Requirement
- Funding of Rs. 3 - 4 Cr for clinical studies (studies will start in EU from May 2020)

Price/Unit
- Rs. 2 lakhs/bag containing 200 M cells
Diagnostics
Quantiplus
Covid-19 detection kit
Quantiplus Covid-19 detection kit

Key Features

- One step real time qualitative PCR Kit
- Chip based ultra fast RT-PCR
- Approved by ICMR
- Validated at NARI
- Room temperature stable molecular reagents

Manufacturing Capacity
- Ready to commercialize
- In the process of obtaining GMP license from CDSCO

Basic Requirement
- Rs. 1 Cr. funding for scaling the manufacturing capacity
- Expediting GMP license process

Price/Unit
- Rs. 900/ test
Telemedicine
Ubiqare
COVID-19 speciality care platform
Ubiqare COVID-19 speciality care platform

Key Features

- Cloud-based mobility healthcare platform
- HIPAA compliant
- Electronic medical records
- Interactive audio-video sessions
- Dashboard & Triaging

Manufacturing Capacity
- Already in market for cancer care
- COVID-19 platform to be deployed in phases

Basic Requirement
- Connection with Govt./Consumers
- Rs. 18 Lakh funding
- Collaboration with wearables suppliers

Price/Unit
- Available on request
C-CAMP
COVID-19
INNOVATIONS
DEPLOYMENT
ACCELERATOR #CCIDA

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