

## Success story of VIT Alumni Mr. Nilesh Modak

Mr. Nilesh Modak is Alumni BE graduate from Vidyalkar Institute of Technology, in Electronics and Telecommunication Engineering Department (2013-2017). He was always excited for participation in any technical competition. Mr. Nilesh and his team stood 4<sup>th</sup> all over India during E-yantra, Robotics competition in 2014. This year Mr. Nilesh along with his team worked on a solution to support the marginalized communities (Migrant Workers) confronting the pandemic. He pitched his Ideas to a panel of eminent judges from around the globe & emerged as winners. Nilesh and his team were declared winner in from over **3725+ applicants & 60+ countries**.

An International competition '**Covid-19 Challenge | INDIA: Turning The Tide**' was organized by Massachusetts Institute of Technology (MIT) on 28<sup>th</sup>-30<sup>th</sup> August 2020. The hackathon was aimed at solving the challenges India is facing due to the ongoing Corona Pandemic. Challenge prompts: Helping the Underserved Populations- Health equity considerations and practical solutions need to be promoted for the most vulnerable individuals subject to social discrimination and stigmatization, migrant workers, patients without proper housing and shelter, populations without access to proper health care and individuals who cannot care for themselves such as the elderly. The organizers look forward to seeing solutions that can help deliver relief to the underserved populations effectively, efficiently and in a timely manner.

In Track A of competition- 'Supporting marginalized communities confronting the pandemic'. Mr. Nilesh who was leading his team suggested following innovative ideas in given 48 hours' which made them the winner of the competition.

- **Problem:** Hunger crises has exacerbated during Covid lockdown.
  - **Solution:** A platform that helps to get the food to where it is needed, by an optimal supply chain.
- Team Sahara**
- **Problem:** Existing barriers faced by inter-state migrant families in accessing nutrition and healthcare services in India have been exacerbated by Covid19 due to fragmented siloed service approaches that lack portability and integration within the health system
  - **Solution:** A portable service platform that integrate existing NGOs, CSOs and other resources that cater to the needs of migrant families while empowering women from migrant communities to manage and support it along with existing front line worker systems.

### Swachhta Warriors

- **Problem:** Transmission of disease through contact of surfaces
- **Solution:** Foot Operated Mechanical Locking Door

### Team Mazdur Pehchan Pranali

- **Problem:** Unskilled labourers suffer from inaccessible data to welfare schemes or misinformation primarily due to their low literacy rates and the lack of a tangible identification token in the system
- **Solution:** A multi-tech system to help identify, on-board and inform migrant gig workers to empower them with awareness about their rights, employment opportunities and support during the crisis.