

Business Innovation & Analytics Fall' 2021

Healthcare - 3

Tourism - 2

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30 Grand
Challenges

24 Mentored
Projects

16 Minor
Iteration
Stage Projects

8 Major Iteration
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Grand Challenges

An array of Grand Challenges were taken up by students across the globe, under the mentorship of University of California Berkeley and the Smart Village Movement Team. In this table are a few of the solutions that have the scope to for further development and implementation

GRAND CHALLENGE	PROPOSED SOLUTION(S)			
ACCESS TO EDUCATION TECHNOLOGY	Digital teaching assistant platform with systematic teaching plan and performance monitoring.	English learning app that connects learners to fluent English speakers	Data storage with shareable learning resources and premade presentations	Job-Ready Skills: Online and Offline Teaching materials and teaching sessions
EARLY EDUCATION	Implementing an interactive physical learning platform with realistic role play to the pre primary centers.	Remote delivery of pre-primary education through digital platforms	E-buddies for Students: Mentoring modes. Urban students and rural students sign up for mentoring. Once there is a potential pair signup, then a pairing happens between urban student, rural student and the mentor. Urban students get on demand mentor support and thereby rural students get on demand support from urban students. Thus rural students, urban students and mentors become buddies.	
SEWAGE AND WASTEWATER MANAGEMENT	Arth - natural wastewater treatment system	Students to be made eligible to earn rewards for collecting waste from their homes and dropped at a central location for proper disposal at waste factory		
TOURISM	Treehouse lodgings for the millenials and gen Z	Agri-tourism: Online platform that provides access to farm stays and experiences unique to the Sacred Groves region like jam/pickle making, bamboo weaving, treks and root bridge construction workshops		
VALUE ADD	Medicinal Plants: Provide herbal Essential oil at low cost to maximum number of peoples and pharmaceuticals who are interested in herbal remedies.	Produce Value Add: Set up potato processing plant so profit share ratio of farmer producer company (FPC) to potato product company in the unit leaves farmers with greater profits.	Produce Shelf Life Enhancement: Project Perpetuity aims to offer a pay per use or subscription based scalable service to farmers which aims to store their products safely and increase their shelf life.	
HEALTHCARE	AI-Based Healthcare: An app that helps to get rid of tobacco addiction, and counsellor consultation for personal help.	AI Supply Chain in Healthcare: Revamp's IoT enabled devices that can be added to the supply chain or logistics networks.		