







5 campuses, 15 schools, and 150+ programs

2000 Faculty and 18,000 Students with 1:10 faculty-student ratio

600+ Faculties hold PhDs/DMs

51 Patents, 3500+ Publications, 6800+ Citations



76 International University collaborations

20 Centers of Excellence in Research

Vision

"To provide value-based education and mould the character of the younger generation through a system of wholesome learning, so that their earnest endeavor to achieve progress and prosperity in life is matched by an ardent desire to extend selfless service to society, one complementing the other"

Mata Amritanandamayi Math A UNITED NATIONS RECOGNIZED NGO

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Embracing the World is the global network of charitable projects initiated by renowned humanitarian and spiritual leader, Amma (Sri Mata Amritanandamayi Devi).



www.embracingtheworld.org



Empowering Women



Building Homes





Community Outreach



Fighting Hunger





Green Initiatives



Research for a Better World



Amrita Institutions



Education for Everyone





Care Homes for Children

Unique Opportunity for You



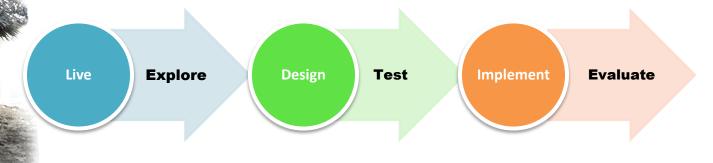
A multidisciplinary theory-into-practice program that facilitates the research, development, and deployment of sustainable solutions for current challenges faced by rural communities in India.

EXPERIENTIAL LEARNING INTERDISCIPLINARY RESEARCH INNOVATIVE IDEAS SUSTAINABLE SOLUTIONS LIFE ENRICHMENT TRAINING



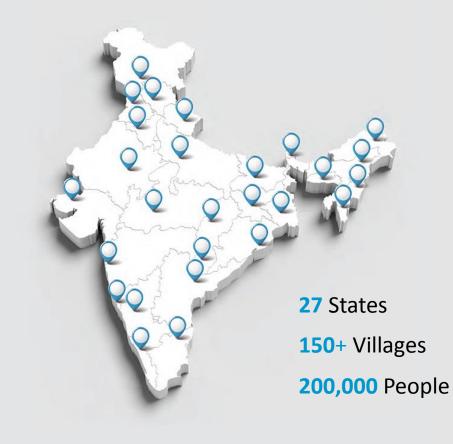


Amrita University' s **Live-in-Labs™** is designed to expose youth to problems faced by rural communities in India. Through experiential learning opportunities, the program aims to inspire innovation through empathy and the application of knowledge while developing collaborative problem solving abilities of participants.



Locations







Objectives & Goals





Thematic Areas





STUDENTS-

Encourages a strong passion for developing innovative, applicable, and comprehensive solutions that address problems faced by rural communities in developing nations

RESEARCHERS-

Provide a unique environment for applied research, with a strong focus on the invention's journey from research to market

UNIVERSITIES-

Leverage and apply technological advances in order to find new ways to overcome economic and social marginalization of rural populations in developing nations.

What's in it for you

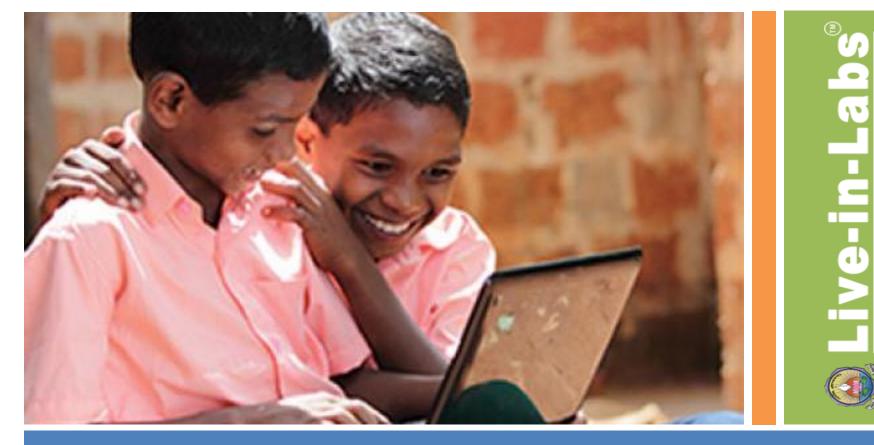
Overview- Live-in-Labs Video



Program-Phases







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Education

Education





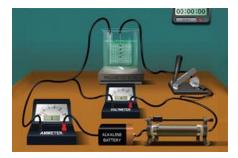
Amrita RITE (Adult Education)



Remote Triggered WSN Laboratory



OLabs (Science Simulations)



VALUE (Virtual Laboratories



Social Awareness (Gender, Substance Abuse)



Human Trafficking Awareness - Smart Decisions Software

Amrita RITE: Tablet Based Education

- Neo literates
- Tablet based education due to non availability of resources

- Tablet Based Software
- Multilingual
- Light weight software
- Android based

- Hand writing recognition learning to write
- Speech recognition (work in progress), multiple indian languages, locally on Android for learning to read

Amrita RITE Launch

The Amrita RITE project was launched by Chancellor of Amrita University, **Mata Amritanandamayi Devi** on 27th September 2013, by handing over a tablet to **Shashi Tharoor,** former Minister of State for Human









www.amrita.edu/create



eLiteracy & Health Awareness for Tribals







The objective of the Amrita eliteracy & Awareness is to spread computer literacy and health awareness among the ST people, who are generally unable to avail themselves of the benefits of eliteracy. The training is through tablet computers and includes Awareness in Computer Concepts (ACC) and Health Awareness.

- To empower tribal people, particularly youth, through computer education.
- To create awareness about IT, Social and health awareness education.
- ► To provide quality computer education free of cost.
- Game oriented computer basic training and modular courses.
- Interactive education through software, games and e-books.
- Government certified basic computer course.



www.amrita.edu/create



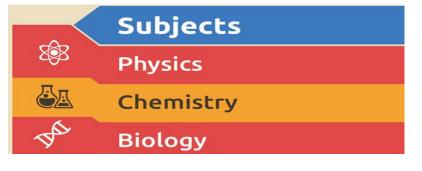
OLabs: Online Laboratories Se Live-in-Labs

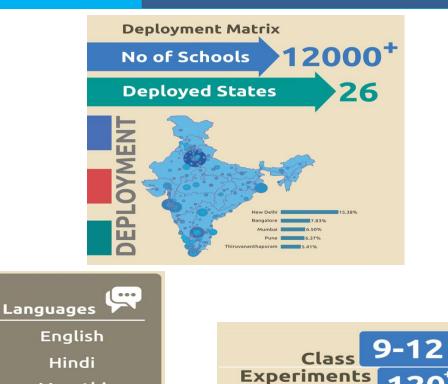
- Shortage of Laboratory Equipment's in High Schools
- Shortage of Trained Teachers

- Online Software with complete pedagogy: theory, procedure, animation, simulation, video, assessment's, references
- Multilingual Course material development by remote expert teachers using collaborative platform
- Tablet based education due to non availability of computer labs
- Under Digital India Program developed 130 science labs
- Trained 8000 teachers
- Implemented in 15000 schools
- Funded by Ministry of IT
- Evaluated, Endorsed, and Implemented by Ministry of Education
- Scalability and Sustainability achieved through collaboration between Academia, Ministry and NGO

OLabs: Online Laboratories







Marathi

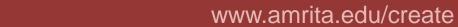
Malayalam

Amrita Learning – Adaptive Learning



*As of August 2014



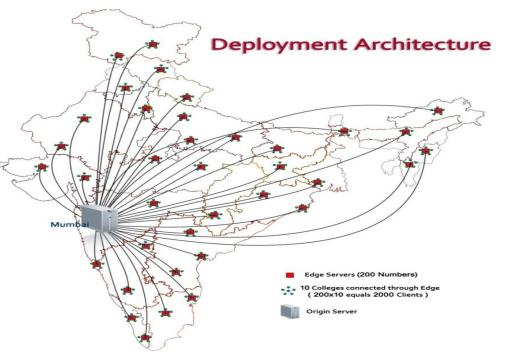




A-VIEW



- A-VIEW: Amrita Virtual Interactive E-learning World
- Designed for Education & Training
- Online & Offline Collaboration
- Funding by:
 - MHRD, DST, ISRO, TIFAC



A-VIEW: Functionalities & Unique Features

- Audio Video
- Document Sharing
- Whiteboard
- Text Chat
- Shared Browser
- Desktop Sharing
- Live Interactive Feedback (LIF)
- Student Teacher Interaction
- Record and Playback of recorded classes

- Configurable Multiple Displays (1 to many)
- Adaptive Bandwidth Usage (56k to 2MB)
- No Proprietary Hardware (Use existing)
- Multimodal Student Teacher Interaction
- Crystal Clear Live Document Sharing
- Multi Device Compatible White Board



A-VIEW: IIT Bombay conducting e-classes to Pune and Nagpur





COE, Pune receiving class from IIT-B through A-VIEW with a single Projector system



Prof. P. S. V. Nataraj conducting class from IIT-B to VNIT, Nagpur and COE, Pune through A-VIEW





VNIT, Nagpur receiving class by Prof. P.S.V. Nataraj, IIT-B through the multiple displays of A-VIEW

A-VIEW: Packages

A-VIEW Classroom

- Used for Teaching / Training
- One Teacher and Multiple Students

Live-in-Labs[®]

• Hand Raise Option for Students

• A-VIEW Meeting

- International Meetings
- One Moderator
- All participants see each other

• A-VIEW Seminar

- Online Seminars and Conferences
- Can hold seminar for a group of peers
- Can pass control

A-VIEW: Advantage & Applications

- A-VIEW is FREE Designed for Education in India
- A-VIEW is Adaptable Variable Number of Displays Low Bandwidth Usage (Rural Areas)
- A-VIEW is Customizable for India's Educational System for India's Multiple Languages for India's Existing Infrastructure

• A-VIEW Classroom:

Live-in-La

- Colleges
- Schools
- A-VIEW Meeting:
 - e-Governance
 - Administration
 - Deployed at MHRD

VALUE: Virtual Laboratories

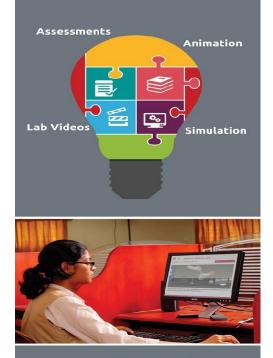
Shortage of Laboratory Equipment's in Community Colleges

🛞 Live-in-l

• Online Software with complete pedagogy: theory, procedure, animation, simulation, video, assessment's, references

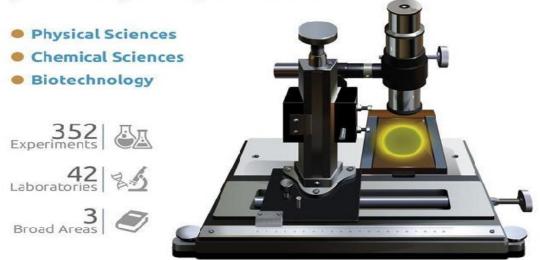
• Course material development by remote expert teachers using collaborative platform

VALUE: Virtual Laboratories Section Live-in-Labs



In Collaboration with

Amrita School of Arts and Science Amrita School of Biotechnology The virtual labs project has been funded by the National Mission on Education through ICT by the Ministry of Human Resource Development, Government of India and is being developed in partnership with IIT's and other prominent universities across India. Under the National Mission on Education, over 150 laboratories are being built in various disciplines of engineering and sciences.



Remote Triggered Laboratories



• Shortage of Laboratory Equipment's in Community Colleges

- Online Software with complete pedagogy: theory, procedure, animation, simulation, video, assessment's, references
- Course material development by remote expert teachers using collaborative platform
- Scheduling Equipment Usage
- Remotely operating, configuring, and triggering
- Secure Access Since it provides opportunity to upload software codes into our University Network
- Remote Triggering Protocol Development
- Energy Management in Wireless Sensor Network
- Time Synchronization

A Wireless Remote Sensing, Experimentation, Monitoring & Administration Lab

(India's first remote triggered lab in Computer Science)

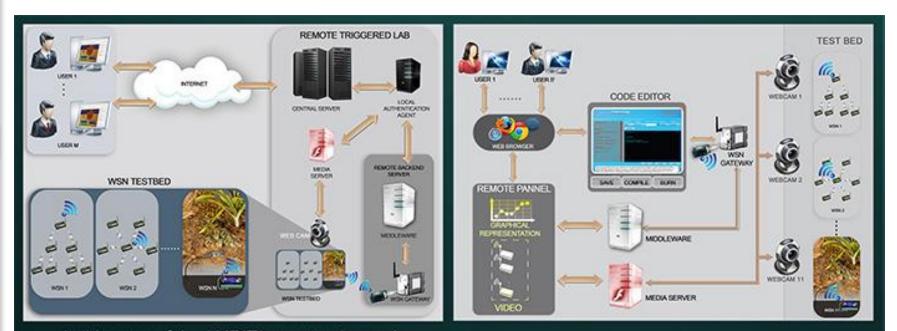
A real time remote triggered laboratory with multi-set, multigroup wireless sensor network experimental setup





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A Wireless Remote Sensing, Experimentation, Monitoring & Administration Lab



Architecture of the AMRITA remote triggered wireless sensor network laboratory

Remote Code Editing Architecture

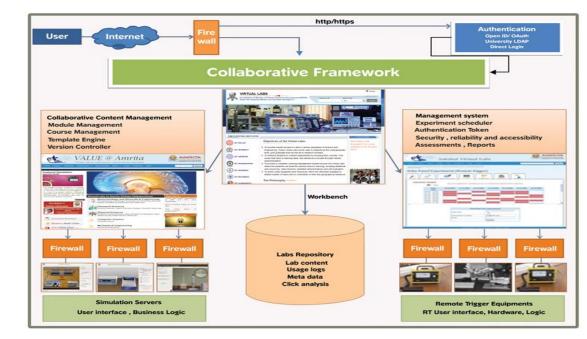
http://www.amrita.edu/center/awna

Collaborative Platform Architecture

- Common set of services for distributed content
 - Enables **rapid development & deployment** of Virtual content by remote & distributed faculty
 - Consistent and rich **interactive experience** for learners

122360 Users

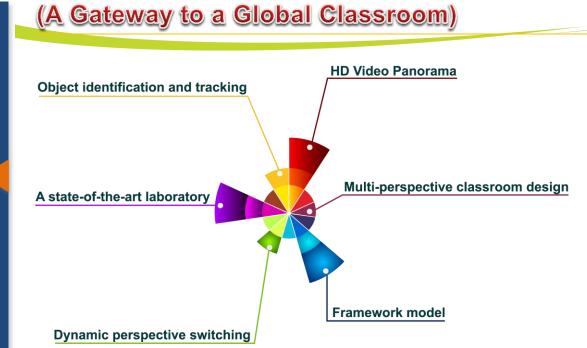
1235 Experiments Amrita CREATE



www.amrita.edu/create



National Knowledge Network (NKN)



National Knowledge Network

Consists of the Professor, Local Students, Remote Students. Zradeurz' Bewore Zradeurz

http://www.amrita.edu/center/awna

SanskAR



Understanding cultural compatibility and bridging cultures through participatory sensing based mobile applications

Obtained funding from United Nations Alliance of Civilization (UNAOC)

SanskAR App collects the compatibility data between various cultures

Developed an algorithm to analyze compatibility between cultures

Designed and developed AR based android game to incentivize cultural interactions





Promote Gender Equality Power of the Adolescent Girl

Power of the Adolescent Girl A programme by AmritaCREATE for adolescent girls to be Ambassadors with digital technology

- Human Trafficking Awareness
- Adolescent Health Awareness
- Respect for women Introduce Nonintrusive customs
- Prevent Child Marriage, Child Labour,
- Keep girls in schools
- Adult Literacy & Education for Women









- Reducing Dropouts Reduced dropouts from 16 to 1 in village in Ransai Maharashtra primarily through awareness sessions by Amrita University students.
- Adult Education Women For the first time in Dagara Village, Gujarat, women studied beyond grade 8 and graduated from grade 10.
- Equity in Education Trained 422 (of planned 1000) indigenous people in computer literacy with 84% pass rate in government exam. 62% beneficiaries were indigenous tribal girls including some saved from abuse.
- Literacy Mastering Malayalam Alphabet in only 16 sessions with
 AmritaRITE technology v.s. 30 sessions with conventional learning



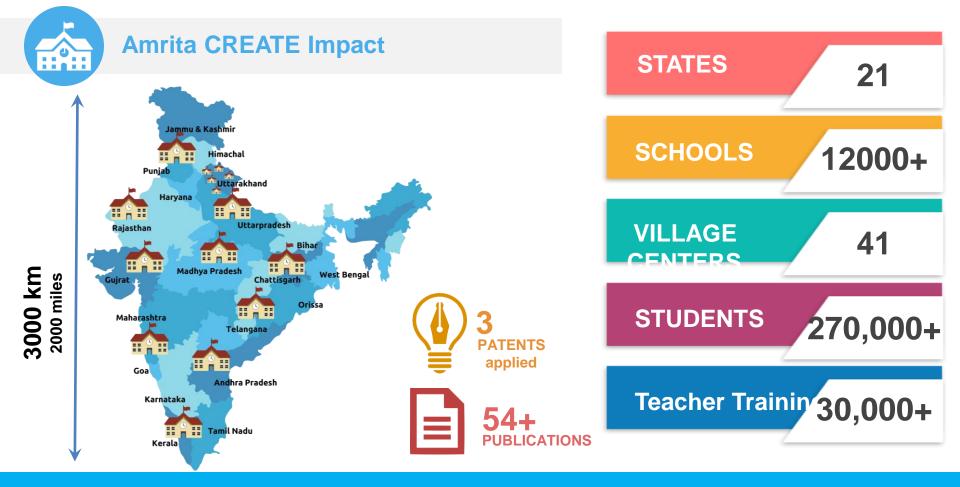








www.amrita.edu/create





www.amrita.edu/create



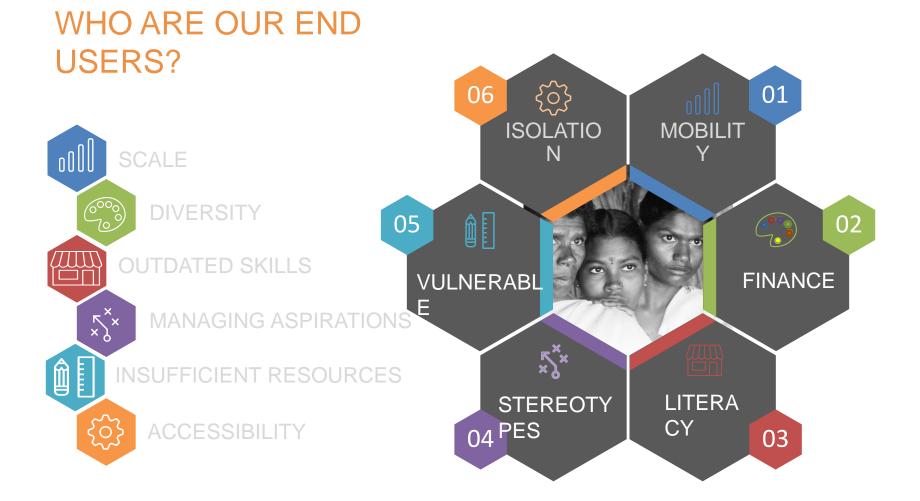
Skill Development

REDESIGNIN G LEARNING PATHWAYS USING TECHNOLOG Y



Amrita Multi Modal Applications Using Computer Human Interaction







CREATING THE ATMOSPHE RE











WHERE ARE THE TEACHER S?



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And Andrew Market	ASSESSMENTS	🗊 🔀 oi 🔡 🔊 💽 ?
VIDEO LECTURES	\backslash	INTERACTIVE GAMES





3D GLOSSARY



SIMULATORS

PROGRESSIVE DISCLOSURE

VOCATIONAL TRAINING

LIFE SKILLS TRAINING

MOTOR SKILLS TRAINING

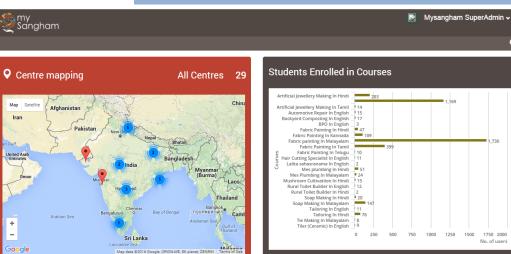


- Technical and non-• technical courses
- Available in 8 languages
- Catered towards low-literacy audiences

TRANING CENTER MANAGEMENT VIA MYSANGHAM



ZONAL LEAD TO FACILITATOR COMMUNICATION VIA WHATSAPP





REMOTE MONITORING VIA AVIEW

COMMUNICATING ACHIEVEMENTS VIA FACEBOOK

MONITORING & EVALUATION

TABLET BASED LEARNING

WHAT IS THE PERFECT BLEND?







BEHAVIORAL CHANGE

- Community Led Total Sanitation (CLTS)
- ODF Family Pledge
- Live–In Labs Mentor Network
- Control and Monitoring of
 Water Systems
- Sharing Knowledge

COMMUNITY DEVELOPMENT

- Improve Infrastructure
- Water Resource

Management

- Entrepreneurship
- (Masonry, Soap and Block Making)
- Village Wiki: Online, Comprehensive Resource and Database

MAINTENANCE

- Toilet Maintenance
- Inventory Management



SUSTAINABILITY

CAPACITY BUILDING

AWARENESS

- Needs Assessment
- Outreach Programs
- Induction into Training Programs
- Sanitation and Hygiene

TRAINING

- Masonry, Plumbing and Plastering
- Soap Making
- Life Enrichment Education

IMPLEMENTATION

- Toilet Construction
- Social and Environmental Community
 Action
- Monitoring and Evaluation



COMMUNITIES OF LEARNING AND PRACTICE



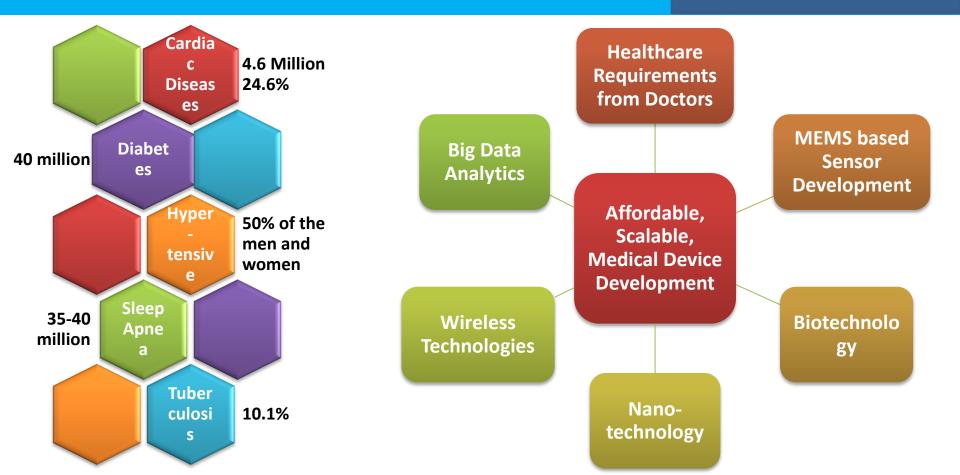


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Healthcare

Healthcare

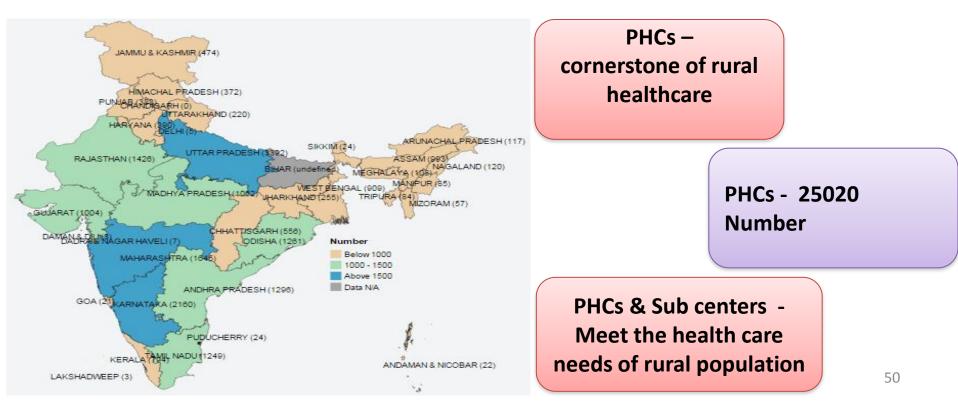




Healthcare: Primary Health Centers

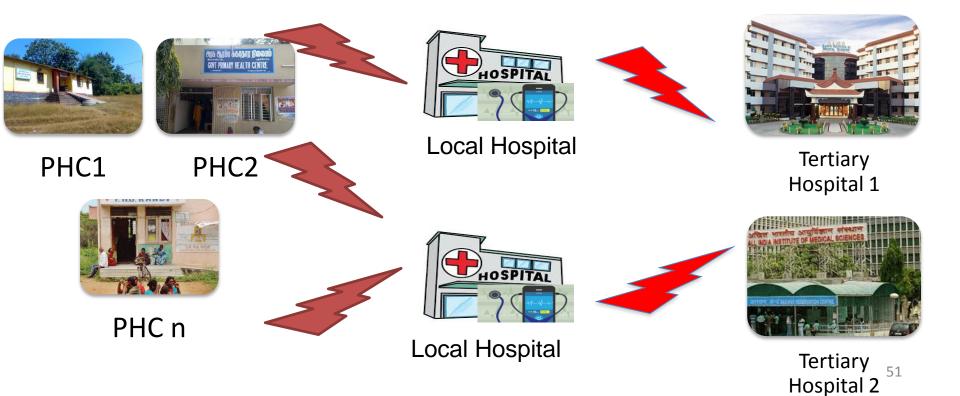


Scalable & Affordable Healthcare Solutions



Healthcare - Architecture





Our Experience in Healthcare Solutions-Continuous & Real-time Monitoring

Rural Healthcare Service

- Wearable Wireless ECG
- Cuffless Blood Pressure
- Non Invasive Blood Sugar
- Non Invasive SpO2
- Real-time EEG. EMG
- Real-time Temperature Monitoring
- Lab on a chip development
- Low cost drug delivery systems
- Mobile app for Rural Healthcare Services

Emergency Management

- Wearable Wireless ECG
- Cuffless Blood Pressure
- Non Invasive Blood Sugar
- Non Invasive SpO2
- Real-time EEG
- Real-time Temperature
 Monitoring

Geriatric Patients

- Urinary Incontinence Device
- Wearable Wireless Tongue Controlled Assistive Device Using Optical Sensor
- Optical Sensor Based Tongue Controlled Assistive Device
- Wireless Interface System for Interpretation of Ocular symbols from People with Neuromuscular Diseases
- Vital Monitoring
- Sensors developed for Cholesterol, creatinine etc

Our Experience in Healthcare Solutions-Continuous & Real-time Monitoring

Cardiac Disease	Neurological Disease	Diabetics	Tuberculosis	Malaria
 Wearable ECG Device Sensor for Cholesterol 	 EEG System EMG System 	 Real-time Drug Delivery Device - Insulin Pump Sensors for Blood Sugar, Cholesterol, Creatinine etc. 	 Pre warning using Smart Stethoscope Real-time Image Processing Techniques 	 Real-time monitoring of patients Sensors - temperature

AMRITA SPANDANAM

A device to continuously monitor patient's ECG in real time & sends data to the patients cardiologist/doctor



Comfortable and inexpensive wearable device

Real-time sensing and data collection

Real-time data processing and analysis

Monitoring possible even when both the patient and the doctor are mobile





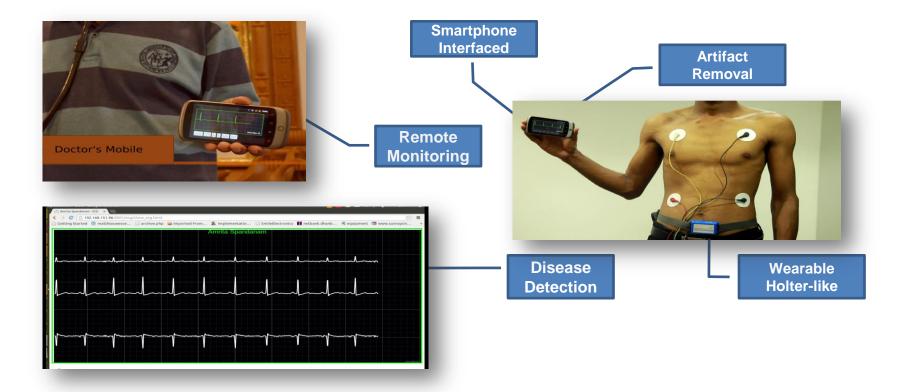
http://www.amrita.edu/center/awna

Launch of "AmritaSpandanam"-Wearable Wireless ECG Device



India's Prime Minister, Mr. Narendra Modi, launches the prototype of "AmritaSpandanam", a wearable Heart Monitor, during Amma's 60th birthday celebrations.

Healthcare - AmritaSpandana Se Live-In-Labs



Healthcare- Training the Villagers Se Live-in-Labs

- Training at Amrita Institute of Medical Sciences to provide Preventive and Diagnostic Care
- Trained women from 9 states

- Volunteers from villages are trained as Health Workers
- The health workers serve under the Doctor during monthly visits to villages to conduct medical clinics
- The health workers provide first line of treatment
- Provide education about the basics of disease prevention
- Trained to conduct on-going sessions in Basic Hygiene, the care of safe drinking water and reeducating them in the use of their traditional home remedies
- Self care is also addressed
- Yoga and meditation
- Easy access to health and nutritious food
- Health workers guide and motivate villagers to grow their own kitchen gardens
 simple composting, and waste management techniques

Mobile Education Supports Health and Well Being





AmritaJeevanam - Health Awareness for Tribals



Amrita Aarogyam അമൃത ആരോഗ്യം

> Blood pressure sensor (Sphygmomanometer)

Body Temperature Sensor

Pulse and Oxygen in

Blood Sensor (SPO2)

Electromyography

Electrocardiogram

Sensor (EMG)

Sensor (ECG)

- Android based health awareness app
- Maintains medical history Cloud based
- Early warning system
- Single interface for multiple measurement devices.
- Blood pressure, Blood Glucose etc.

Amrita Cloud







Energy

Energy



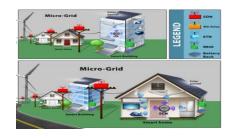


Nano Solar Panels & Storage



Renewable Energy Integration





Smart Distribution

Energy management



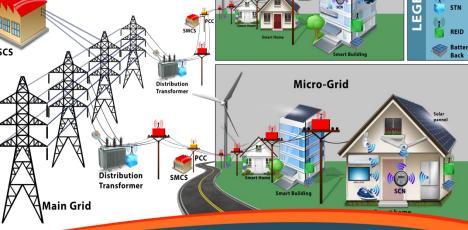
Bio Fuel

Micro-Grid

(A Complete solution for rural area

electrification) WICrogrid Micro-grid is a local energy system consisting of distributed energy sources, storage and loads capable of operating in parallel with or independently from the main electricity grid. Micro-Grid Higher security of supply Clean & distributed SCS energy supply system **Micro-Grid** Distribution

Lower stress on transmission and distribution system



Microgrid

AmritaSphuranam – Rural Electrification

- No Electricity Access
- Leading to lack of education, healthcare services, economic development

- Micro Grid Solar System Implemented
- 6 clusters totaling 12 KW
- 300+beneficiaries

- IoT system for real-time monitoring solar panels, battery condition and the home utilization
- Energy Exchange between Clusters
- Data Analytics on energy consumption pattern, renewable energy generation, renewable energy usage, health monitoring of the systems

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AmritaSphuranam – Rural Electrification Using Micro Hydro

- No Electricity Access
- Leading to lack of education, healthcare services, economic development

- Micro Hydro System Implemented
- 5 kW System

- Energy to entire village
- Plan to implement remote monitoring systems for gathering real-time usage patterns, renewable energy generation, to improve the efficiency of the system etc.

Stabiliz-E (Stabiliz-Energy)



Result of immense need to move from the traditional, centralized, static energy grid towards decentralized & dynamic grid





Distributed architecture and decision mechanisms



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Water & Sanitation

Water Conservation & Distribution Systems

u/center/awna 0 amrita www.

- Scarcity of Water
 No Easy Access to Water Resources
- •Open defecation is prevalent

Bore wells were dug in our villages in Rajasthan, West Bengal, Maharashtra, Kerala, and Odisha to provide drinking water
Water Distribution System – Implemented in Harirampur in Rajasthan, Guptapada in Odisha, and Komalikudy in Kerala
Rainwater harvesting was initiated as a pilot project on one farm in our Tamil Nadu village.

- •Water to the door step of every house.
- •Bore wells were dug, pipelines were laid, overhead water tanks were built, and pump sets were installed
- •Plan to make real-time water conservation system by real-time monitoring of different water resources and integrating it with our IoT system

Water Distribution Systems

Harirampur Village, Sawai Madhopur District, Rajasthan

Village Population	Total Homes	Number of Taps Installed	Number of Liters in Water Tanks (2) *max capacity 30,000 L / tank	Days Spent in Village	Number of Team Members	Total Number of Labor Hours
550 People	65	70	5,000 x 2 = 10,000	120	12	14,000+

Guptapada Village, Khurda District, Odisha

Village Population	Total Homes	Number of Taps Installed	Number of Liters in Water Tank (1) *max capacity 20,000 L / tank	Days Spent in Village	Number of Team Members	Total Number of Labor Hours
300 People	62	37	Now: 5,000 Future: + 5,000	120	13	16,000+

Komalikudi Village, Idukki District, Kerala

Village Population	Total Homes	Number of Taps Installed	Number of Liters in Water Tanks (2)	Days Spent in Village	Number of Team Members	Total Number of Labor Hours
350 People	90	12	3,000 + 5,000 = 8,000	210	37	80,000+

Sanitation & Health Awareness

- Drinking water from our villages was tested
- •Three samples from the villages returned positive results for bacterial contamination
- •Boiling of water is being emphasized in these places.
- •Regular Amala Bharatam Cleanup drives are being organized to improve the awareness about cleanliness and waste management
- •Building of toilets was commenced by AMMACHI LABS of Amrita University in all villages.
- •Women were given the training and women groups are building toilets for their families
- •More than 100 toilets were built
- •More than 200 toilets are under construction by villagers who got training
- •Training on sanitation and health awareness were given
- •Train the trainers program were launched



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Infrastructure

Infrastructure









Agriculture

Water Distribution & Quality

Eco Friendly Buildings & Drainage Systems



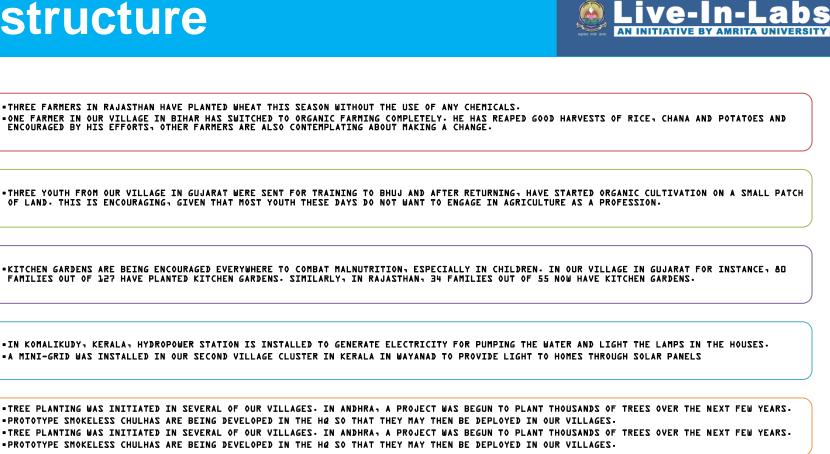
Waste management



MICRO PROCSSING UNITS

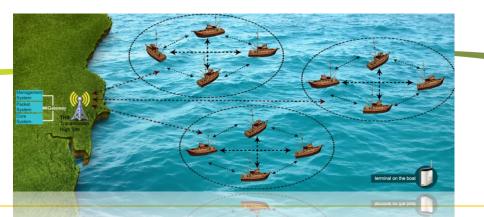


Infrastructure



MICRONet

Secure Mobile Infrastructure for Indian Coastal Application



Provide solution to the connectivity-at-sea problem faced by the millions of India's Fishermen today

Array of possibilities suitable for the off-shore communication

Trigger and promote research on cutting edge wireless technology

Cost-effective Mobile Infrastructure for Coastal Regions of India to enable offshore communications for the vessels at sea.

Wireless Sensor Networks for Real-Time Monitoring and Early Warning for Landslides

Two valid landslide warnings have been issued to the residents of Anthoniar Colony, Munnar, Idukki District, Kerala.

150 geophysical sensors integrated into deep earth probes have been installed, from which the data is transfered to our Data Analysis Center where complex analysis is conducted to determine the risk of landslide.



A fully operational landslide monitoring and detection system that has been operating 24/7 since 2009.

World's first

comprehensive

Wireless Sensor

Network System for

Landslide

Monitoring and

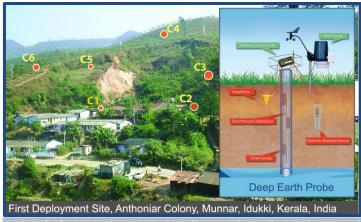
Detection



Received the Runners-Up Award for Rural Innovations from NABARD in 2012

Patent: "Network-Based System for Predicting Landslides and Providing Early Warnings", Dr Maneesha V. Ramesh, No: US8692668





plovment Site, Anthoniar Colony, Munnar, Idukki, Kerala, India

Deep Earth Probe

Indo German Project for Flood Monitoring and Evacuation



Early warning of Floods



Wireless Heterogeneous Networks& Crowdsourcing Network Using Mobile Phones for Real-Time Data delivery



Predictability of the whole system enhanced by integrating it with the modified & improved flood simulation, real-time image and video processing

Crowd Sourcing System for Multi-Hazard Monitoring and Warning

Real-Time Data Retrieval

- Crowdsourcing using mobile phones
- Wireless Sensor Networks
- Maps
- Historic Data
- Facebook
- Twitter

Wireless Heterogeneous Network

- Cellular Network
- WiFi
- •Bluetooth
- Wired Network

Warning of Disasters

- Rainfall
- Flood
- •Drought
- Landslides
- Avalanches
- Earthquakes

Services

- Distributed Data Collection
- •Real-time Data Visualization
- •Large Scale Warning
- Localized Warnings
- Participatory Sensing Opportunity
- Multi Hazard Warning
- •Escape Routes
- •Awareness Materials Dissemination



Income Generation & Empowerment

Agriculture

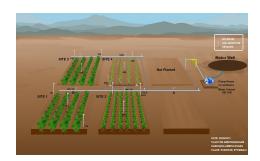




Organic Farming



Fertility monitoring



Smart irrigation



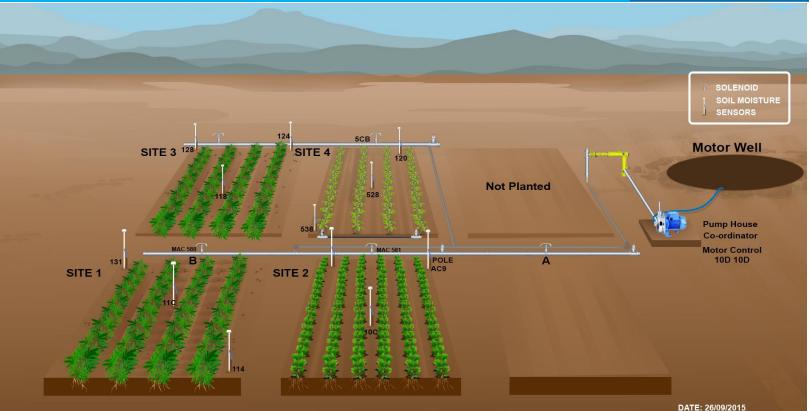
Environmental impact monitoring



ROI

IOT support

Agriculture-Amrita Karshaka Se Live-In-Labs

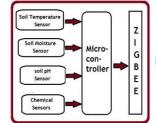


DATE: 26/09/2015 PLAN FOR AMRITAVARSHAM KARSHAKA AMRITA DHARA PLACE: PUDHOOR, ETTIMADAI

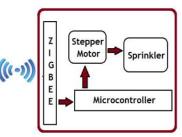
Smart Sesame Farming & Context Aware Wireless Irrigation System



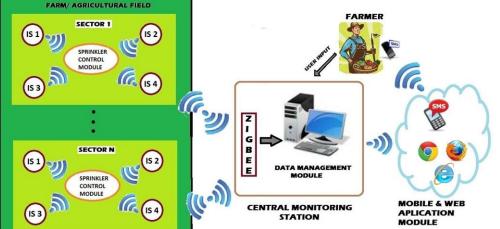








Sprinkler Control (SC) Module



Income Generation









LOCAL PRODUCTS

Value added

Self reliant groups



Income Management



Social Business

Income Generation

- Income generation using local resources
- Self Help group
- For savings
- For income generation
- Plumbers, Masons etc.
- Tailoring, Artists etc.
- Health Workers
- Training Life Skills
- Entrepreneurs furniture, lemon grass distillation, cardamom processing
- Waste to Wealth

INCOME GENERATION

THE FOCUS IS ON INCOME **GENERATION USING LOCAL RESOURCES. FOR INSTANCE, TRAINING WAS PROVIDED TO OUR VILLAGE WOMEN IN KARNATAKA ON HOW TO USE JACKFRUIT THAT IS PLENTIFUL THERE TO MAKE DIFFERENT PRODUCTS.** WE HAVE BEGUN ORGANIZING WOMEN IN OUR VILLAGES **INTO SELF HELP GROUPS BOTH FOR SAVINGS AND FOR POSSIBLE INCOME GENERATION ACTIVITIES.**

INCOME GENERATION

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RECENTLY, 9 WOMEN FROM JHARKHAND, UTTARAKHAND AND UTTAR PRADESH **COMPLETED THE WASTE-TO-**WEALTH WORKSHOP IN **TAILORING AND ARTS / CRAFTS IN AMRITAPURI HQ** WHEREIN THEY LEARNT TO MAKE USEFUL ITEMS FROM **OLD FABRICS AND DISCARDED** SOFT PLASTIC. THESE WOMEN HAVE RETURNED TO THEIR **VILLAGES AND ARE PLANNING TO CONDUCT MORE SUCH** WORKSHOPS THERE.

INCOME GENERATION



HINDUSTAN TIMES, PATNA MONDAY, MARCH 07, 2016

Bhojpur Mahadalit women turn toilet construction trainer

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BHOJPUR: The nightmare of open defecation will no longer haunt the women of Ratanpur Mushahari, a nondescript village of about 30-35 families, situated in Garhani block of Bhojpur district.

eneral They have constructed toilets entral equipped with basic amenities littal. sans any help from the governe and ment agency. They also acquired tions the skills of constructing the cemented structure with plumbing n said and electrical fitting, which will on the help them to transform their lives. e GM On Saturday, Mata Amritanandmavi Mutt (MAM) train New

organised a function to inaugurate different units of the community toilets built by the women villagers at Ratanpur. The bock education officer of Garhani had been present during the inaugural function as block development officer was conspicuous by his absence. Ratanpur is one of the two vil-

lages, the MAM had adopted for women's empowerment belonging to deprived sections of the society.



Women constructing a toilet in Bhojpur district.

Their motto was to develop a sense of sanitation and train them in skills to become bread winner.

North zone head of the organisation, Prema Pillai, who spent several days with women of the Mushahar community, said they had conducted an audio-visual demonstration through laptops to acquaint women of the basics of construction. НТ РНОТО

Apart from the sanitation outreach programme of the MAM, the villagers were provided construction material, tools as well as vocational training in masonry, plumbing and electrical works. It is also planning to conduct similar type of programme in many other villages in Bihar and Jharkhand in coming months.





ENTREPRENEURSHIP: BRICK MAKING

SELF EMPOWERMENT



DURING LATE 2015, YOGA AND MEDITATION CLASSES WERE CONDUCTED IN OUR VILLAGES IN UTTARAKHAND, JAMMU AND KASHMIR, HARYANA AND HIMACHAL PRADESH.

AWARENESS MATERIAL IS BEING DEVELOPED TO COMBAT THE PRACTICES OF CHEWING TOBACCON GUTKA AND CONSUMING ALCOHOL IN THE VILLAGES.

Journey So Far





Journey So Far (Con't)





Journey So Far





"We got a chance to interact with those peoples and they share their problem with us and also it was really an inspiration for us to know that we are all provided with many facilities which they lack It made me realize that how blessed each one of us are, we have lived our lives in luxury without having to bother about anything but ourselves."

> Devika S1 Mtech AmritaWNA, AMRITA



"Service trips and service learning is very important as opposed to just living in a culture. When you are working with the people, you really get to know where you are as opposed to being a foreigner who has been transplanted there. Thus, I found this to be one of the most valuable trips and I would definitely like to come back and continue the work I did."

- Meghan Gates, 2nd Yr. MFA

University of Massachusetts (Darthmouth), USA



Journey So Far (Con't)





International Collaborations







RIO

Massachusetts Institute of Technology







