R.V.RAGHAVENDRA RAO

PGT BIOLOGY

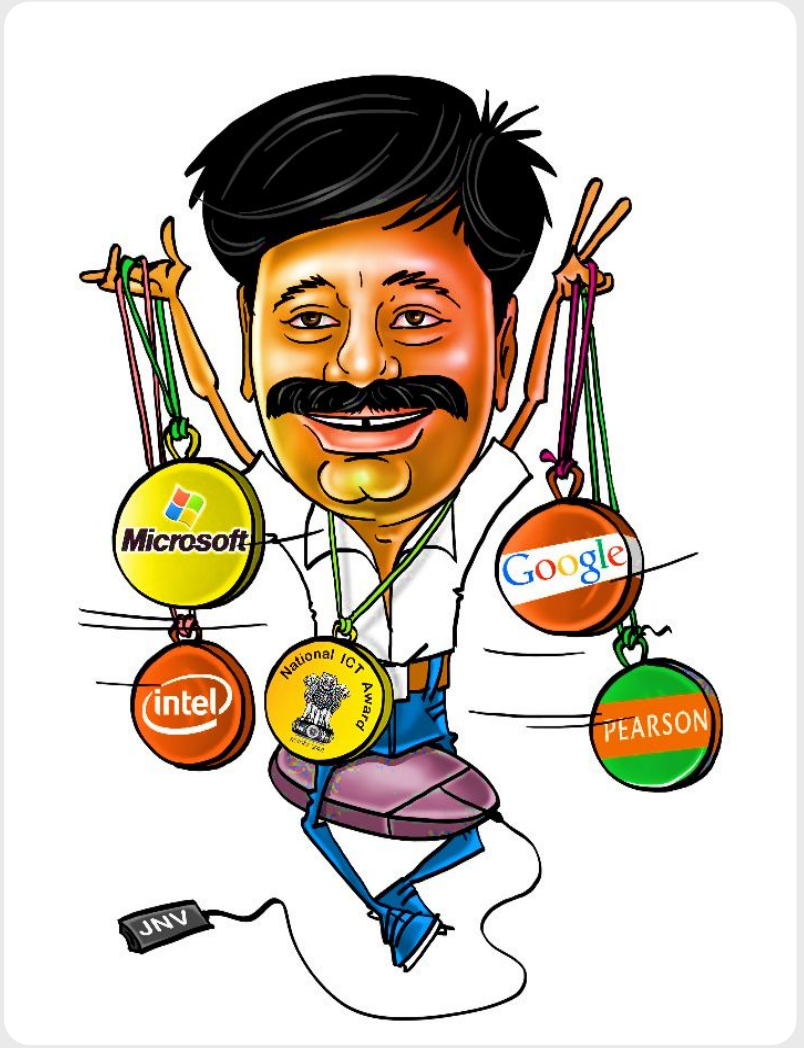
JAWAHAR NAVODAYA VIDYALAYA

VENNELAVALASA, SRIKAKULAM(DIST.)

ANDHRA PRADESH

INDIA

Email-raghubloom@gmail.com



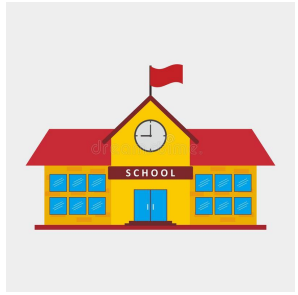
MY SUCCESSION AS JNV TEACHER

JNV ANDAMAN
2003-2007

1

JNV VIZIANAGARAM
2007-2021

2



JNV SRIKAKULAM
2021....

3

My Journey to National ICT Award

Learning about ICT

01

Emerging

BECOMING AWARE OF ICT

02

Applying

LEARNING HOW TO USE ICT IN SUBJECT

03

Infusing

UNDERSTANDING HOW AND WHEN TO USE ICT

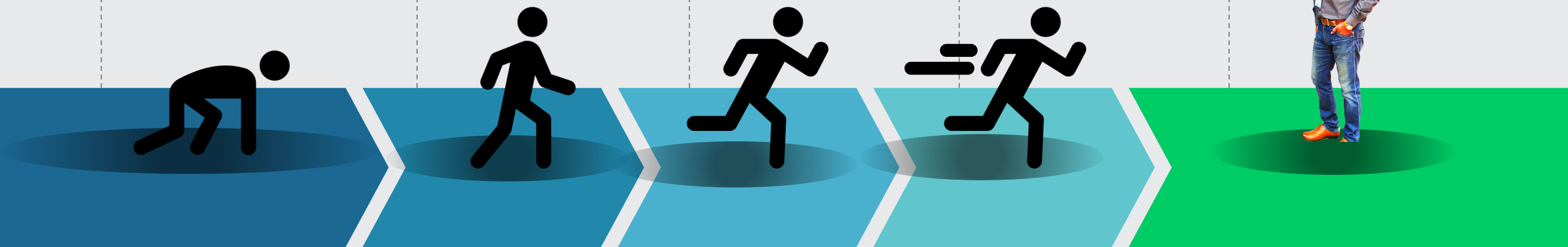
04

Transforming

SPECIALIZING IN THE USE ICT

05

National ICT Award



My Journey to National ICT Award

TEACHING with and through ICT

01

Emerging

APPLYING PRODUCTIVITY TOOLS

02

Applying

ENHANCING TRADITIONAL TEACHING

03

Infusing

FACILITATING LEARNING USING MULTI-MODAL INSTRUCTION

04

Transforming

CREATING AND MANAGING INNOVATIVE AND OPEN LEARNING ENVIRONMENTS

05

National ICT Award

ICT TARGETS

ACADEMIC 01

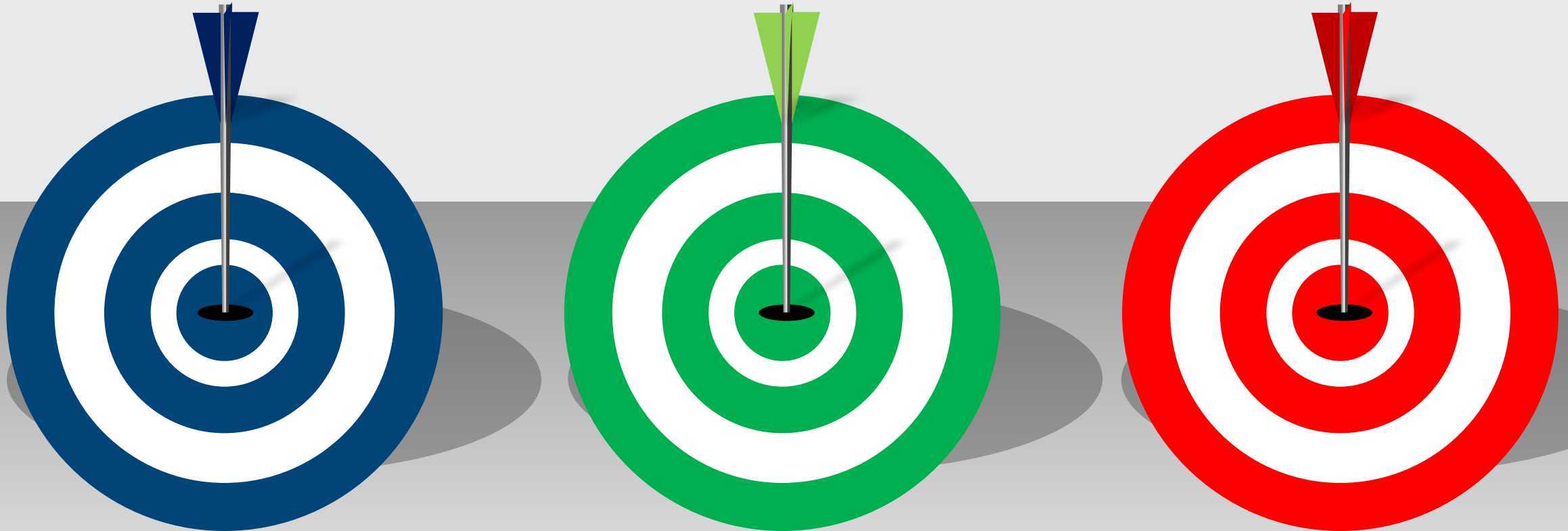
ICT FOR TEACHING AND LEARNING PROCESS

ADMINISTRATIVE 02

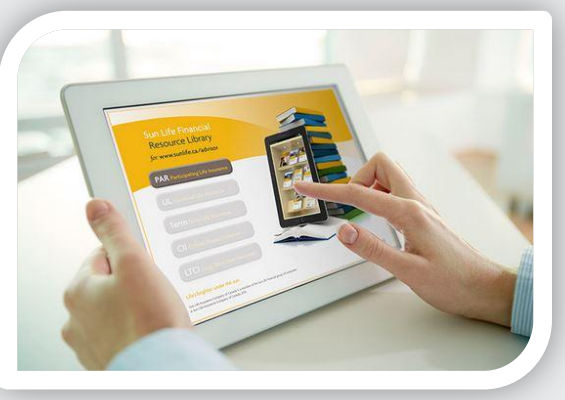
HELPING ADMINISTRATION IN AUTOMATION

COMMUNITY 03

EXTENDING CO-OPERATION FOR UPLIFTMENT OF COMMUNITY



2003-05
E-RESOURCES
CONTENT IS NOT IN ORGANIZED (LITTLE OR NO INTERACTION



2006-09
ONLINE-COURSES
CONTENT PRE-STRUCTURED ENRICHED COMMUNICATION WITH IN THE COURSE

2010-12
BLENDED LEARNING
CONTENT CO-CONSTRUCTED BY LEARNERS AND TEACHERS CREATE RESOURCES, MAKING THESE AVAILABLE TO OTHERS.

2013-18
Communities of practice
groups of people such as teachers or even students who share a common interest.

2019....
AR & APPS
M-LEARNING AND U-LEARNING, WHICH IS OF STUDENT CENTRIC AND MORE OF INTERACTIVE

E-RESOURCES

Web-portals

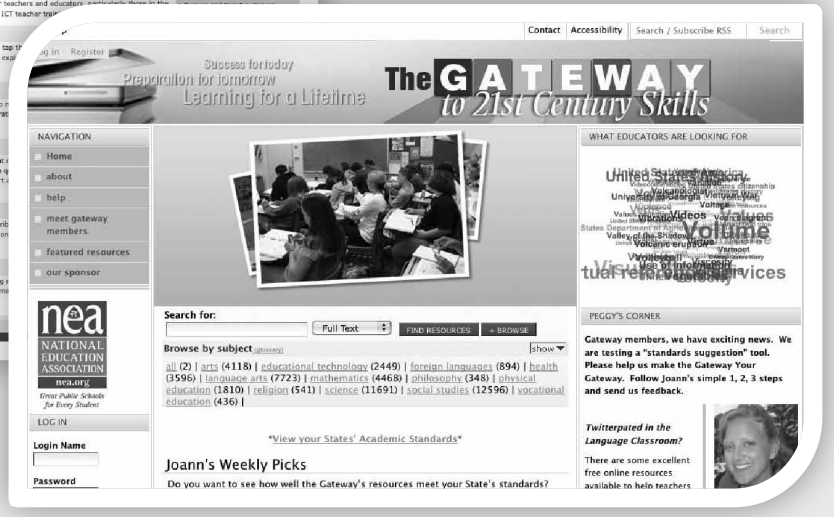
Google Books

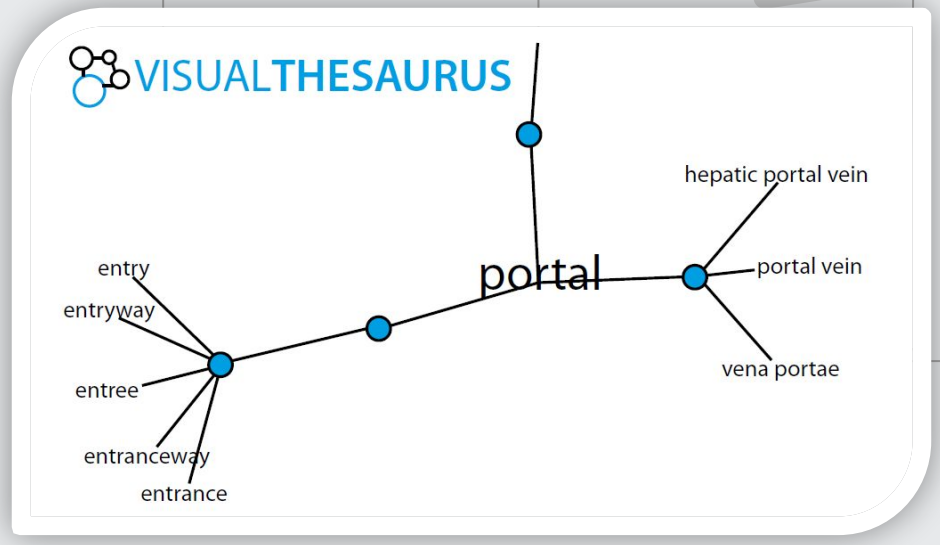
Kindle

Open Access
Audio Books

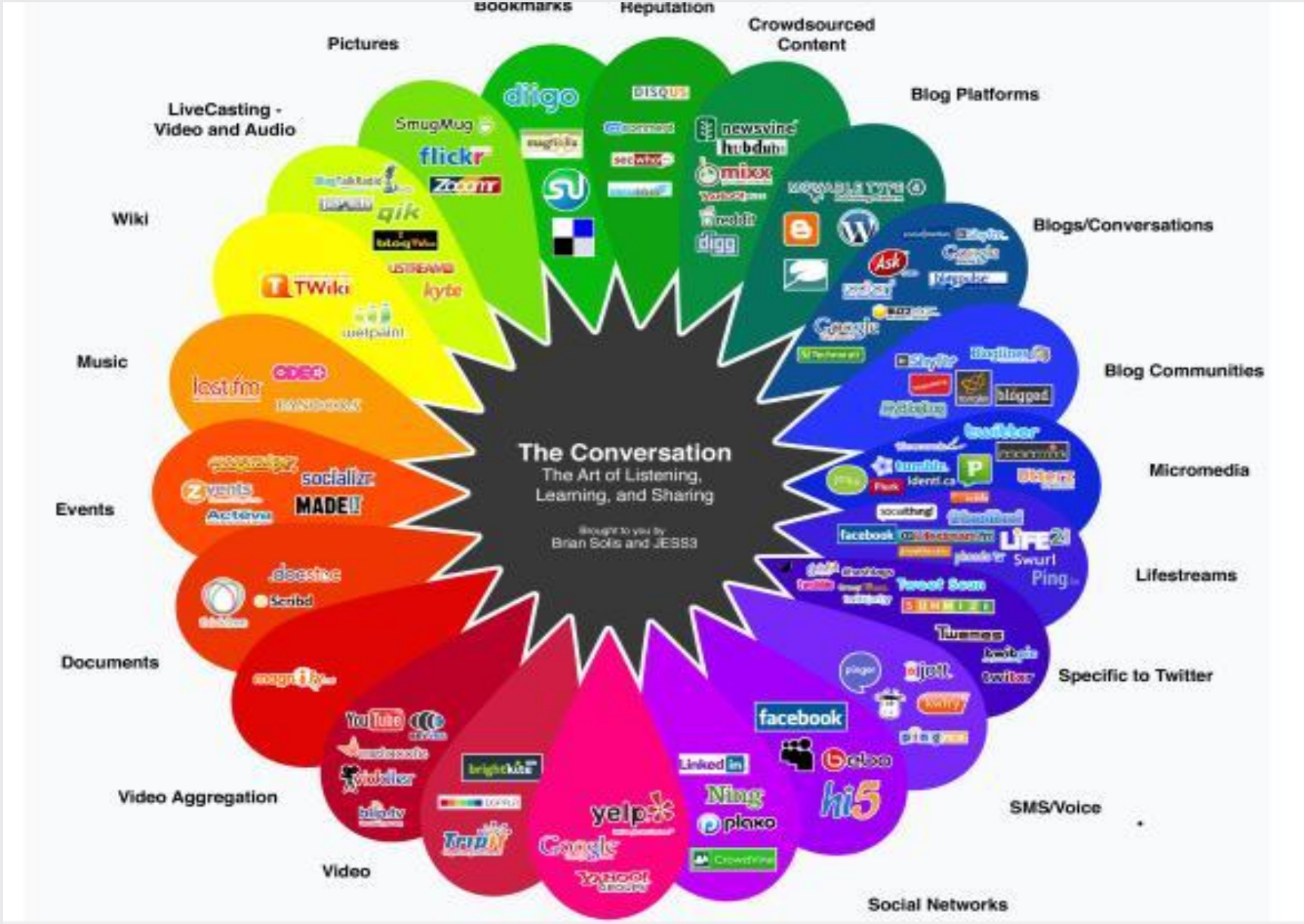
Open Access
E-Content

E-Learning
Platforms





WEB-2.0


Bookmarks
Reputation
Crowdsourced Content
Pictures
Blog Platforms
LiveCasting - Video and Audio
Wiki
Blogs/Conversations
Music
Blog Communities
Events
Micromedia
Documents
Lifestreams
Specific to Twitter
Video Aggregation
SMS/Voice
Video
Social Networks
The Conversation
The Art of Listening, Learning, and Sharing
Brian Solis and JESS3

JNV ANDAMAN

2003-2007

1

GOOD ICT LAB

2 LAB WITH 80 COMPUTER

V-SAT CONNECTIVITY

100 MBPS-V-SAT INTERNET FACILITY TO ALL COMPUTERS

ACCESS-24X7

TEACHERS, STUDETNS AND LOCAL COMMUNITY

JNV ANDAMAN

2003-2007

1

When IT became the community's saviour

How Microsoft's Project Siksha helped a stranded community struck by the tsunami survive the crisis.

VANI DORAISAMY

This is the story of how connectivity became a godsend, literally, for a marooned community of islanders when cataclysm visited the Andaman and Nicobar islands last year in the form of the killer tsunami.

Had it not been for Microsoft's Project Siksha that was in operation at the Navodaya Village, 170 km north of Port Blair in the Middle Andaman islands, the small community would have perhaps been completely wiped out.

"Ours was the only school which worked all through the tsunami. When all telephone lines collapsed, relief officials made use of our extensive V-SAT, e-mail and conferencing facilities to communicate with the outside world. Villagers made use of our infrastructure to stay connected," says V. Raghavendra Rao, postgraduate teacher in biology at Navodaya Vidyalaya, who runs Project Siksha. Mr. Rao won this year's Innovative Teacher Leadership Awards given out by Microsoft Corporation India.

Under Project Siksha, Microsoft delivers software solutions, comprehensive training and curriculum leadership to students and teachers. With a US $20 million investment, Project Siksha aims to reach out to 3.5 million students and 80,000 school teachers across government schools in the country by 2007.

Project Siksha was launched by Microsoft chairman Bill Gates during his India visit in November 2002.

At the Navodaya Vidyalaya, Project Siksha involved developing MS Office packages for academic, administrative and community levels.

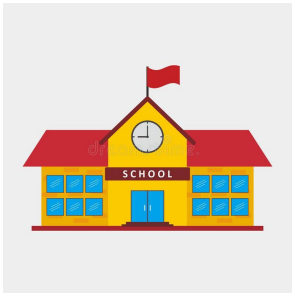
TACKLING TRAUMA: *In times of disaster, technology can be a crucial tool for survival.* PHOTO: PARTH SANYAL

A unique feature is a silicon graphics mediated 'dry' lab for teaching biology. "The school has shown great results. As we are in one of the remotest locations for any Indian school, networking has become all the more important. Our curriculum is constantly upgraded to include self-learning, e-learning and multimedia learning modules, enabling us to keep apace with developments in the rest of the world," says Mr. Rao. Apart from Andaman and Nicobar, Project Siksha is already on at schools in Uttaranchal, Andhra Pradesh, Madhya Pradesh, Punjab, Karnataka, West Bengal and Maharashtra.

A tie-up with the Navodaya Vidyalaya Samiti (which comes under the Union Ministry of Human Resources Development) has led to training centres in Rajasthan, Madhya Pradesh, Jharkhand, Karnataka, Goa, Assam and the Minicoy Islands, Lakshadweep.

JNV VIZIANAGARAM 2007–2021

2



V-ROOM

ELLUMINATE-VIRTUAL CLASS

PODCAST

100 MBPS-V-SAT INTERNET FACILITY TO ALL COMPUTERS

SCREENCAST

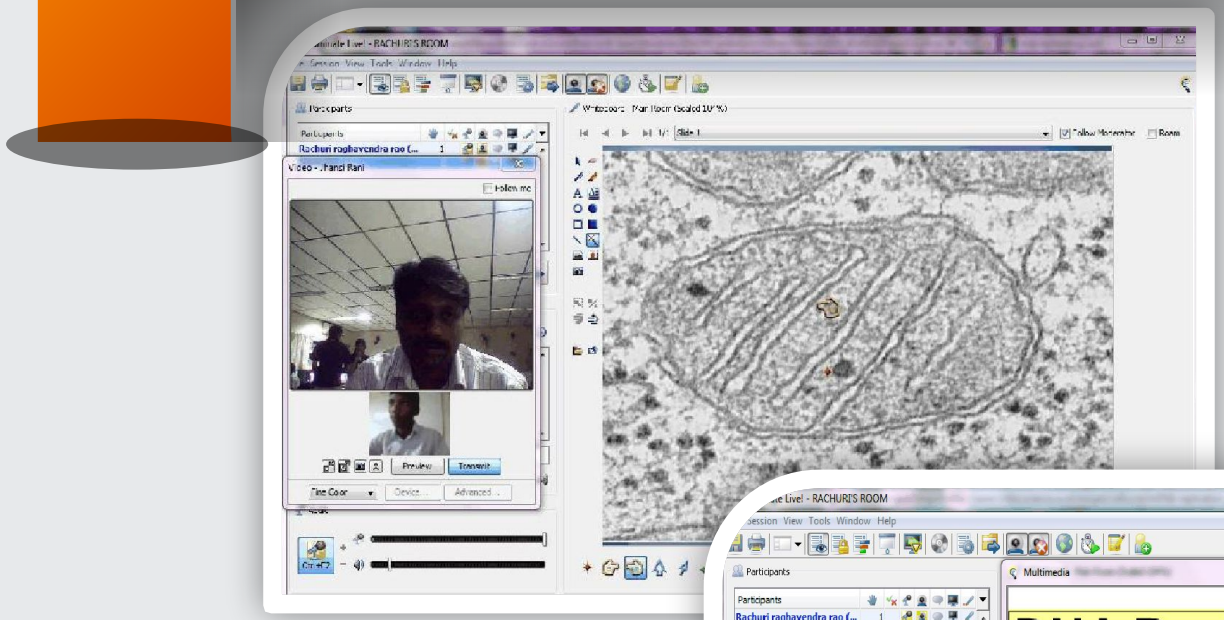
TEACHERS, STUDETNS AND LOCAL COMMUNITY

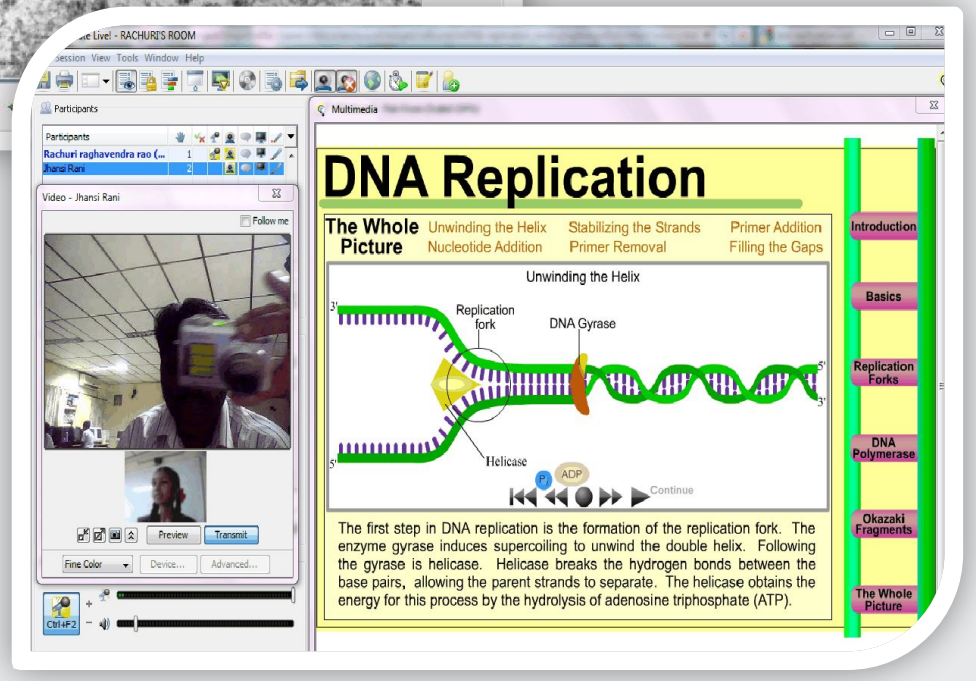
V-ROOM

ELLUMINATE-VIRTUAL CLASS

JNV
VIZIANAGARAM
2007–2021

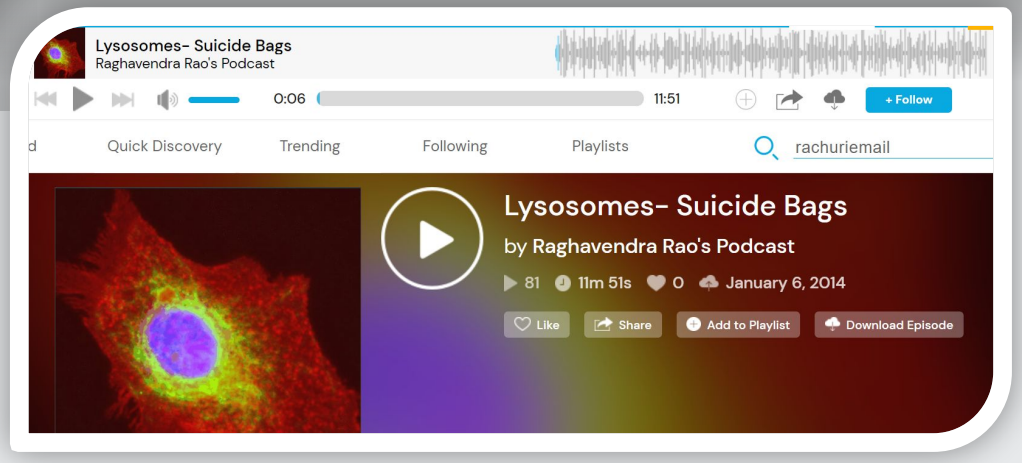
2





PODCAST

100 MBPS-V-SAT INTERNET FACILITY TO ALL COMPUTERS



JNV VIZIANAGARAM 2007-2021

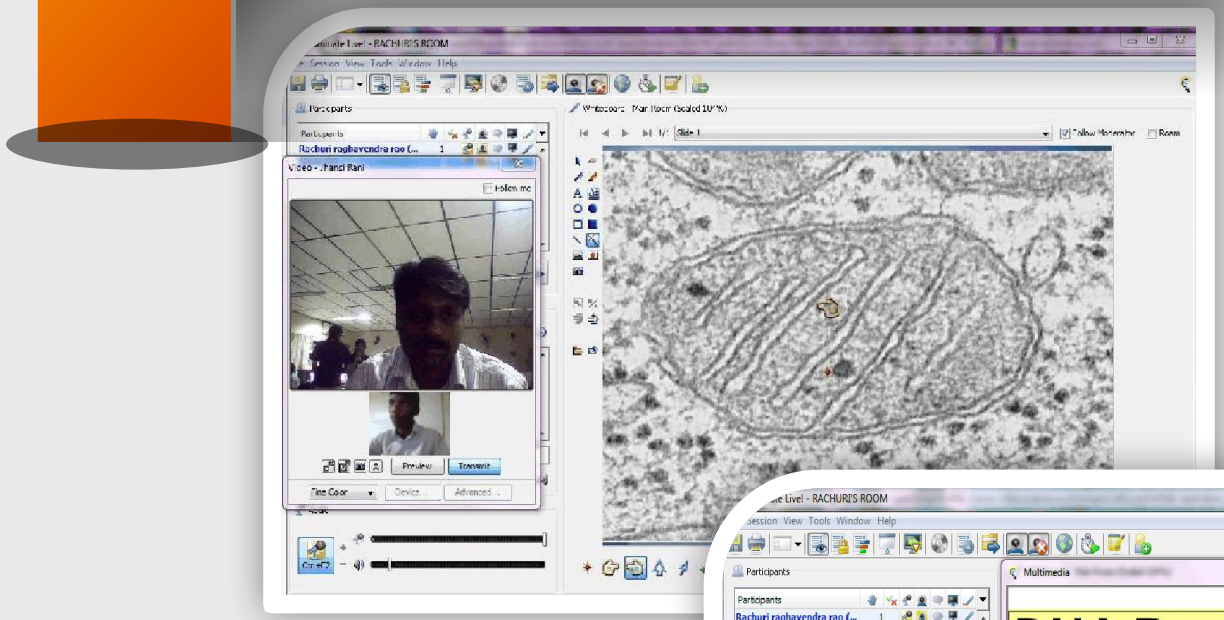
2

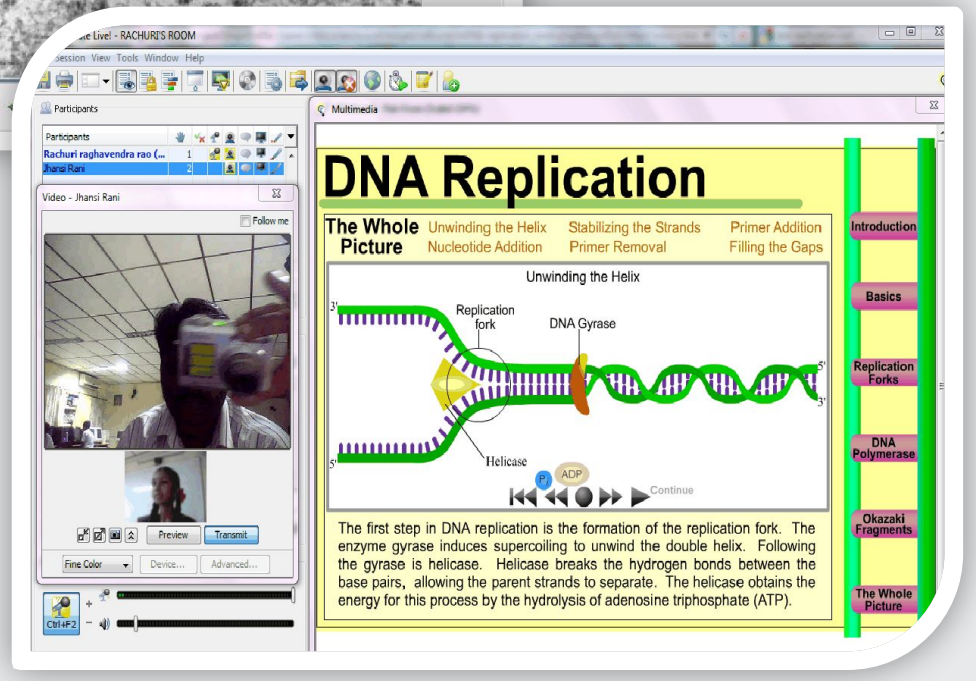
V-ROOM

ELLUMINATE-VIRTUAL CLASS

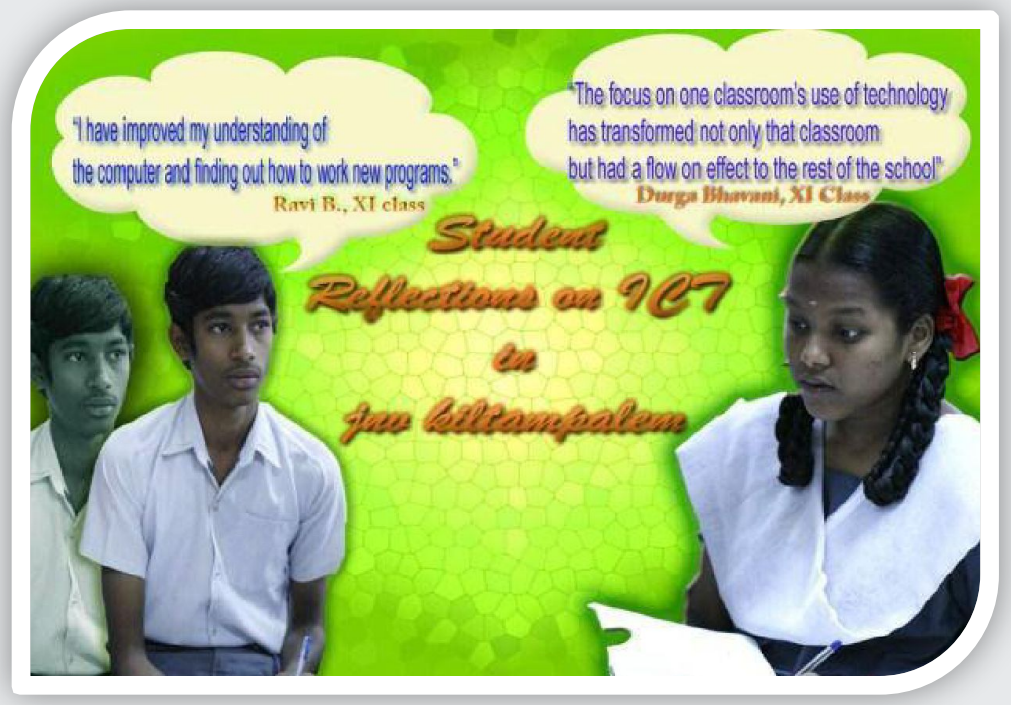
JNV
VIZIANAGARAM
2007–2021

2

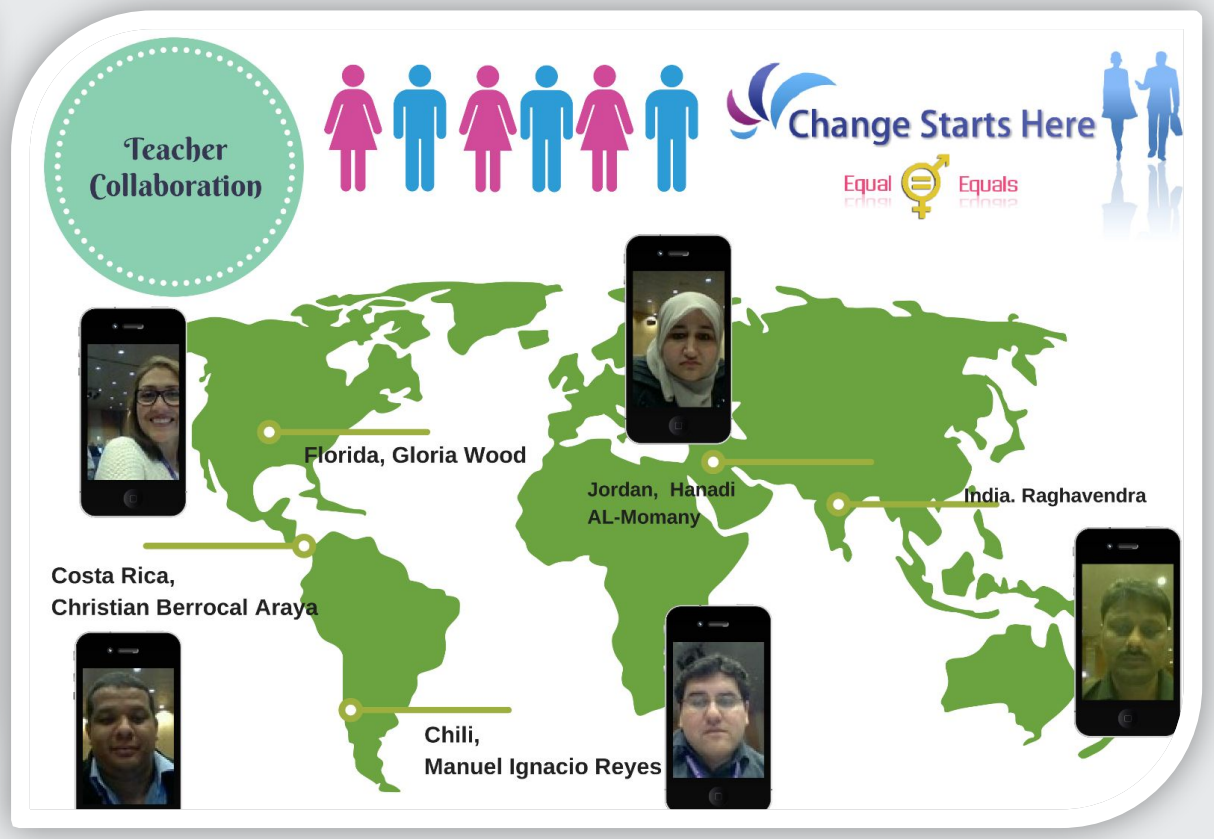




The need for ICT competent teachers
stems from the need for ICT competent students
and for ICT-rich learning environments that
enhance students' learning
across the curriculum
Ashalata X -Class
The use of ICT often
encourages
active learning and
results in more authentic assessment


"I have improved my understanding of
the computer and finding out how to work new programs."
Ravi B., XI class
"The focus on one classroom's use of technology
has transformed not only that classroom
but had a flow on effect to the rest of the school"
Durga Bhavani, XI Class
Student
Reflections on ICT
in
Jnv Kilitampalem

Workspaces
ictforagriculture
Pages & Files
Users
Settings
VIEW
EDIT
FrontPage
WELCOME
ICT FOR AGRICULTURE
DIGITAL MEDIA FOR MODERN FARMING
A COMMUNITY APPROACH
UNESCO-JNVKTPL


Teacher Collaboration
Change Starts Here
Equal Equals
Florida, Gloria Wood
Jordan, Hanadi AL-Momany
India. Raghavendra
Costa Rica, Christian Berrocal Araya
Chili, Manuel Ignacio Reyes

AWARDS IN THE FILED OF ICT

2004	ITLA-MICROSOFT	2011	PEARSON-NDTV TEACHER
2005	TCS-BEST TEACHER	2012	MICROSOFT INNOVATIVE EDUCATOR
2007	ITLA-MICROSOFT	2014	NVS-INTEL BEST TEACHER
2007	NVS-INTEL BEST TEACHER	2015	NVS-BEST TEACHER
2009	MICROSOFT INNOVATIVE EDUCATOR	2015	GOOGLE EDUCATOR
2010	NATIONAL ICT AWARD	2017	THE EDUCATION PRIZE