

**Live interaction with
Miss Harminder Kaur Suri
HDM KV Dappar**

A Journey of National ICT Awardee

Schooling to Merit position at University

- Started in a village school with wooden slate smeared with Fuller Earth
- Proud Kvian Grade I to XII Science
- Graduate of Esteemed University of Calcutta
- Bachelor of Education form University of Kurukshetra with Merit position in University
- Online Graduation in Project Based Learning from Oracle US

My Job

- TGT Chemistry at Air force School Ambala Cantt
- Joined KVS at KV AFS Sirsa Gurugram Region at primary teacher 1995
- Cleared departmental Exam and Got promoted as HEADMASTER 2011

Served in many KVs namely Sirsa, Ambala, Barnala, Pinjore, Dappar

ICT skill

- From my Brother who was aboard taught me to email and chat
- INTEL Beginners curriculum
- Microsoft made us learn by route through the project
- Intrinsic motivation & Passion –Learning occurred
- Need of the hour to learn –Food , clothing , house & NET enabled individual –netizens
- Critics who helped me learn
- Urge to excel over others also helped learn

Radio talk

- Once I was resource person at one of the school and carried out various Activities on Science

There a team from radio station kurkushetra came and interviewed 5 people about Pedagogy of teaching adopted then

Show was aired .

Thrilling experience

Not my Pride but HIS Credit

- International Award :HONOURABLE MENTION by Oracle US in 2009
- Asia Pacific Winner , Vitenam by Microsoft 2007
- Represented Global teacher Award at Hong Kong 2008
- National Award for Innovative Educator by Microsoft 2007
- State Awards by Micorsoft
- India Education Award 2008 by EQFI for Excellence in Education
- National Winner Tata Consultancy Services Education World Teachers Award 2009
- PAN India Award for class room Innovation in 2014
- National ICT Award by Honable President of India Shri Pranab Mukherjee 2010

Click the link -photosdocuments.in_photos-of-award.doc

Awards won for School

- School Leadership by Oracle 2007 won Trophy for School and received a hp colour printer



- 5 th Computer Literacy Award for School 2008 won a trophy and 1.5 lakhs by Ministry of communication & Information technology India

Eminent personalities I met

- Dr Jayant Vishnu Narlekar -Indian astrophysicist and emeritus professor at the Inter-University Centre for Astronomy and Astrophysics.
- Dr APJ Abdul Kalam-Missile man of India
- Dr Khendalwal - Master mind behind Pushap Gujral City
- Professor YS Rajan-Indian professor, scientist and administrator. He is Honorary Distinguished Professor in Indian Space Research Organisation
- Prof Yash pal (online Interaction with my students)- Indian scientist, educator and educationist, NCF contributed

Collaboration between India & Italy

- Click the link to have glimpses of work

[butterfly\bluemormon.html](#)

Video of butterfly

[plaintiger.wmv](#)

Run after butterflies with camera was feeling like a kid

Challenges faced- teething issues

- When we started working in ICT ,
- No Laptops ,No net connection at home , cyber café a resource
- Would work late hours in school without meals and used infrastructure
- Gradually BSNL net to Fiber broad band
- Students taught to operate my personal cameras
- Worked in holidays in school
- Parent consent was a tough task & security of students involved
- No one to guide –it was not a silver spoon

Challenges faced initially -ICT based

- I was lucky enough to win 4 Laptops Apple Mac book to hp
- Team of students –depended on school gadgets
- Operating system at home involved high cost of getting, maintained ,
- Few students could afford
- Use of outdated soft & hard wares at time s
- Lack of technical support at home
- I was a Primary teacher but the students mostly I worked were of senior classes in various projects –syllabus etc
- Italy –time zone difference was a challenge
- Language barrier –we use interpret instructions through Ms Elena in ROME and at time used Google transliteration tool
- Skype –was a boon –students use to come to my home & my pet also served a motivator by not disturbing us work

Fostering Scientific attitude among students

- I was working as Primary teacher , while working over 4 years a Research paper was published & Students were great Gurus help me learn
- Teaching EVS & Maths –Perform experiments at school so students had experience of armature scientists
- Click to view paper-

EUROPEAN ACADEMIC RESEARCH JOURNAL , Romania , European union

[EAR international journal research paper.pdf](#)

Topic- Improving Scientific attitude among students of primary when I was at KV 4 Ambala

Student was Physically challenged , he motivated me to record so used podcast technique –all activities in assembly

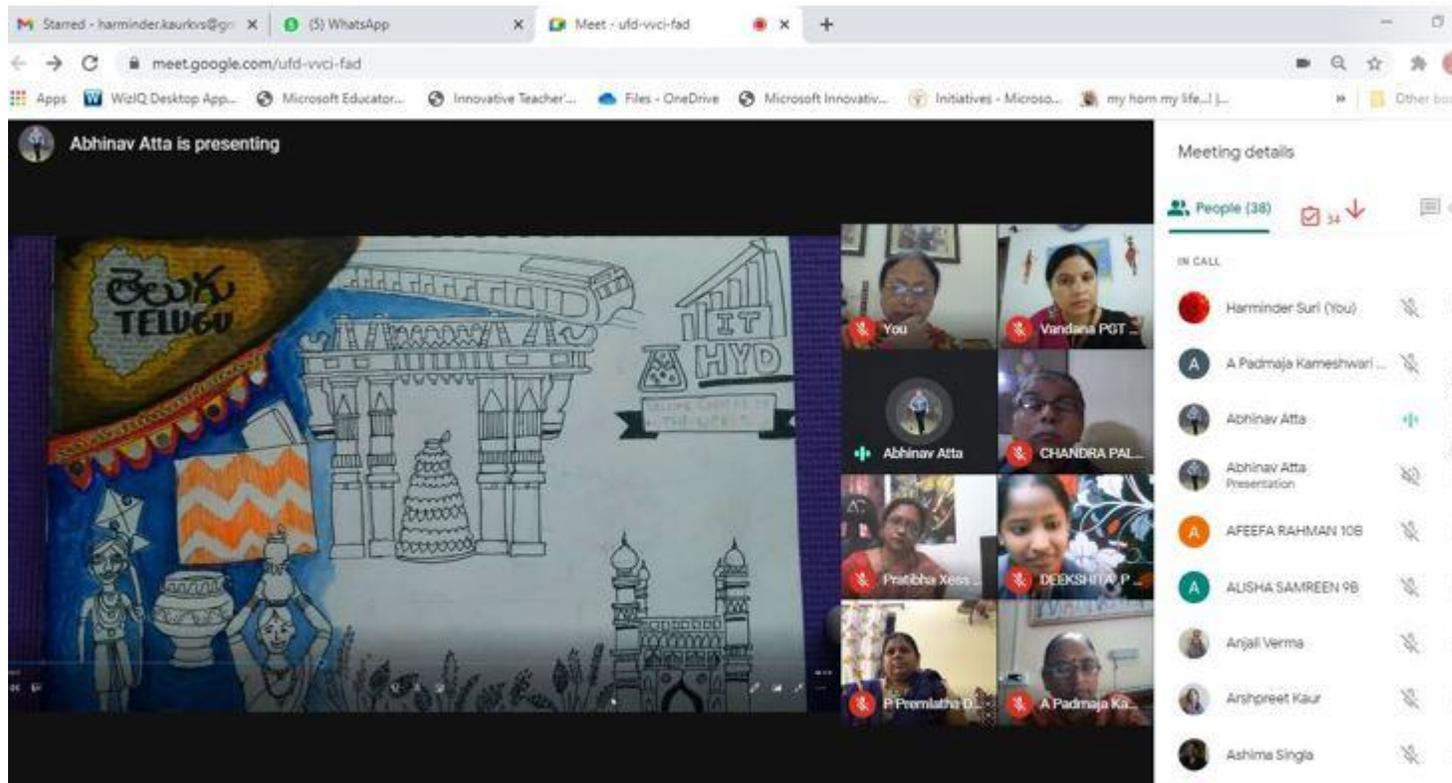
E content making

- I coordinated team of principals , teachers of all cadre from different regions , students to develop indigenous content for all classes of Primary
- Digitize at own level
- Dr Dinesh rom NCERT also visited us as he was attached with KVS that time
- Learnt a lot –day time brainstorming , briefs, debriefs, night use to digitize & present next day before the team
- Click

[wmvextinct and endangred.wmv](#)

Cultural Exchange –Covid 19

- Used google meet for cultural exchange during pandemic times in NOV-DEC every year
- Andhra Pradesh vs Punjab under EBSB –Ek Bharat Shresth Bharat project



EBSB –students presenting culture of Punjab

- During Lock down I taught them online how to make puppets out of wool (resource available), How to add record in mobile , flash cards to be used, all rehearsal over Google meet or Cisco web conferencing tool
- Took help of stake holders online –Grandma for old spinning wheel to her grand daughter
- Click –

[bye lohri.mp4](#)

Culture of Punjab-Puppet show

[WhatsApp Video 2020-12-25 at 11.03.23 AM.mp4](#)

From Books 2 Bytes-Strategy

- Pandemic – online mode classes/Instructions
- Strategy—made peer groups / engaged stake holders/taught parents & they helped other students/
- It was 24x7 teaching day time students & after school stake holders along with peer leaders
- Challenge was not new for person like me who was tech savvy over more than 2 decades
- Teaching students was a BIG challenge

From Books 2 Bytes- Tools taught

- Pandemic – online mode classes/Instructions
- Whatsapp/Podcast---messaging tools
- Google meet/Cisco Webex /Zoom – Web conferencing tools
- Google class room –content & Assignment submission
- Flip grid – Amplify students Voice
- Quizzes.com/ Khoot/Google form- Self assessment tool

From Books 2 Bytes- Tools used

- Pandemic – online mode classes/Instructions by using graphic pen tablet & MS paint
- Phet Library
- Nroer videos
- DIKHSKA portal
- Amrita O Labs
- STEM activities
- Google Earth
- 360 Degree panorama
- Jam Board
- School Bhuvan – A portal providing map based learning to bring awareness among the students about country's natural resources, environment and their role in sustainable
- Psychomotor activities -conducted live /rotation of earth phases of moon /students show cased Gobar gas plant
- Apps of android –teach solar system / Human Morphology

From Books 2 Bytes- Challenges faced

- Pandemic – Managing stress both students & staff & keeping oneself balanced
- Making students refer website /blog /
- Sending videos of all sorts of CCA /Reading challenge activities
- Making children compete at all India level –less number in brickmaths.com
- Net connectivity in rural areas
- Managing with students not having smart phones initially
- Online workshops for teachers
- Teach sessions during holidays – 97% attendance in my classes

Enriched Teachers

- Pandemic – Managing stress both myself & teaching fraternity
- Reading books came to my rescue –managed my stress level
- Teachers – arranging capacity building workshops as resource person
- Attended as participant too

Contribution towards my organization

- Academic Advisory committee member at KVS HQ level –worked for modules of In service training program –only 2 HDMs from INDIA were there in 2020
- Also prepared modules of English language at KVS HQ –for various training programs
- Stated earlier development of e content for primary level
- Conducted workshops for Annual academic planning for Chandigarh Region (50 KVS)
- Resource person for many teachers & HDM training programs training form 3 to 5 to 21 days
- Academic counsellor of IGNOU for CPPDPT program
- Master trainer for Back to basics pedagogy

Work acknowledge by

- INTEL Education coffee table Book
- Digital learning India –about Innovating teaching with ICT
- Education World – the Human development magazine
On Cover page for India's most innovative Teachers-2009
- The week –journalism with human touch –for outstanding lessons
- ETMA –Educational technology & management Academy for class room Innovation
- Developing professionalism among Teachers –IGNOU School of Education for KVS teachers making a difference
- KVS Quarterly journal- Innovative practices (in house journal)

Message for teachers

- Plan rigorously 500 % and execute 200%
- Follow up 100 %

is the success mantra

Passion will automatically follow

Message for students

- You are the real GURUS who helped me learn and grow
- I draw my inspiration for you dear
- Make sustainability the TAG LINE and save the planet EARTH
- D
- Do learn to sell your bran but to price tag across your heart
-

Aspirations

- VR and Artificial Intelligence technologies and other emerging technologies help us make us more empathetic and this world and kinder place
- Words for future generation - Make a sustainable World

Click-[diary spiral.pptx](#)

Thanks

- Suri.harmander @gmail.com
- Special thanks to all Dr Behra, Ms Angel , CIET-NCERT official
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- My dear students
- My parents & HIS blessings