



**Parambir Singh Kathait (Lect. English)
Govt. Inter College Nagrajadhar Karakot,
Kirtinagar, Tehri Garhwal,
Uttarakhand.**

**National Awardee (ICT) 2014-15
Global Winner**

(4th Innovative Teachers Leadership Award-2008)

**Microsoft Innovative Educator Expert –
2014-2015, 2015-2016 & 2016-2017.**

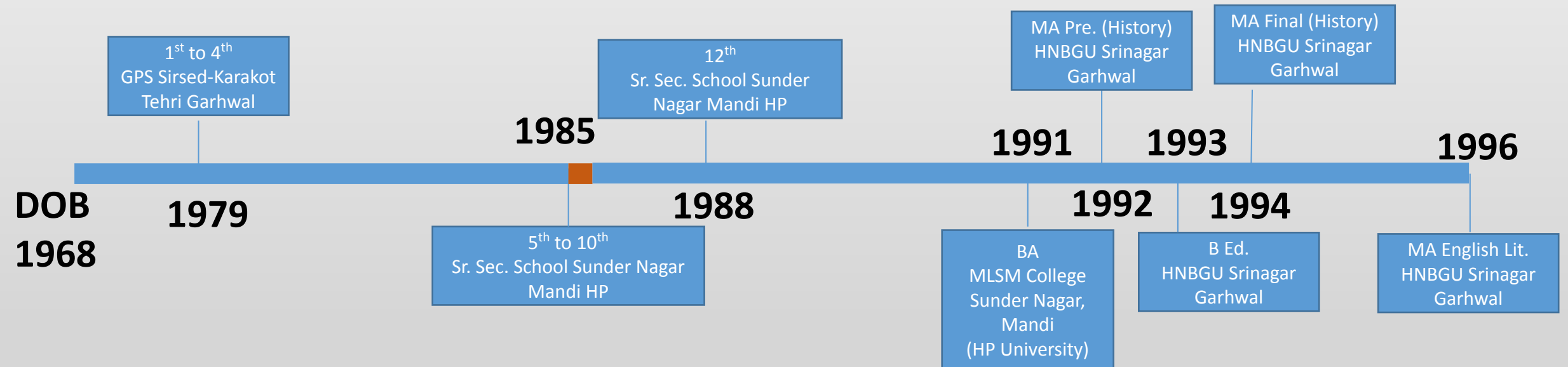
Microsoft Leadership Conclave – New Delhi, Feb. 2011 (Speaker).

Asia Pacific Innovative Educators Meet – Hanoi, Vietnam - 2008.

4th Annual Worldwide Innovative Teachers Forum – Hong Kong - 2008.

National Educational Computing Conference – Washington DC – 2009.

My Academic Career



My Academic Career

Challenges/Weaknesses:-

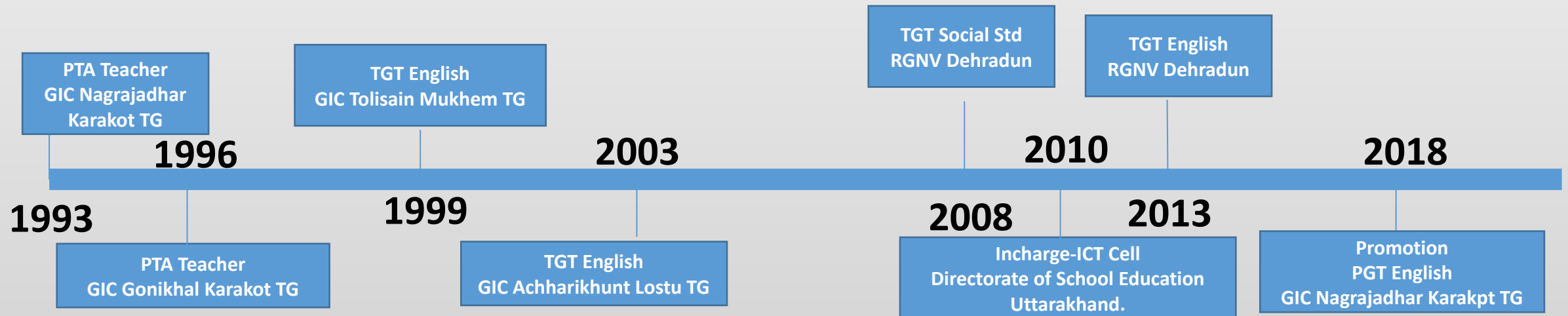
1. First Generation Learner.
2. Could not keep a pace with the class teaching and depended on Tuitions.
3. Lack of proper guidance – My schooling was stopped after 10th and I could seek admission in 11th after making mutual commitments with my parents.
4. I could seek admission in Degree college as though my result was delayed but I received scholarship from the Punjab School Education Board for further studies.
5. My father retired from service in Jan. 1991 and I completed my Graduation in May 1991.

My Academic Career

My Powers

1. Determination
2. Able to achieve my objectives as given by my parents to pass the examination of a specific class (I never focused on any fixed aim).

As a Teacher



As a Teacher

1. **1993** - I joined as a PTA Teacher-English in GIC Nagrajadhar-Karakot (School of My Village) to teach from class 9th to 12th.
2. **1995** - I served in Unique Publications Lajpat Nagar New Delhi as a writer in History and also tried to join Private Schools as a teacher. I found that career as a teacher is easy and comfortable if we have command over our teaching techniques and subject.
3. **1996** - I got married and joined GIC Goni Khal Karakot as a PTA Teacher – English.
4. **1999** – I joined as a State Govt. Teacher (TGT – English) at GIC Tolisain Mukhem, Tehri Garhwal.
5. **2003** – I was transferred to GIC Achhcrikhunt – Lostu Tehri Garhwal. Here I taught as TGT English and Social Studies.

As a Teacher

6. 2008 – I applied for deputation at RGNV Dehradun. I got selected as TGT Social Studies and Joined in May 2008.

7. 2010 – In 2010 the department has decided to establish an ICT Cell at state level for the implementation of ICT@Schools Scheme and I was nominated as the Incharge of ICT Cell.

8. 2013 – I rejoined RGNV as TGT Social Studies and served here until my promotion as PGT English.

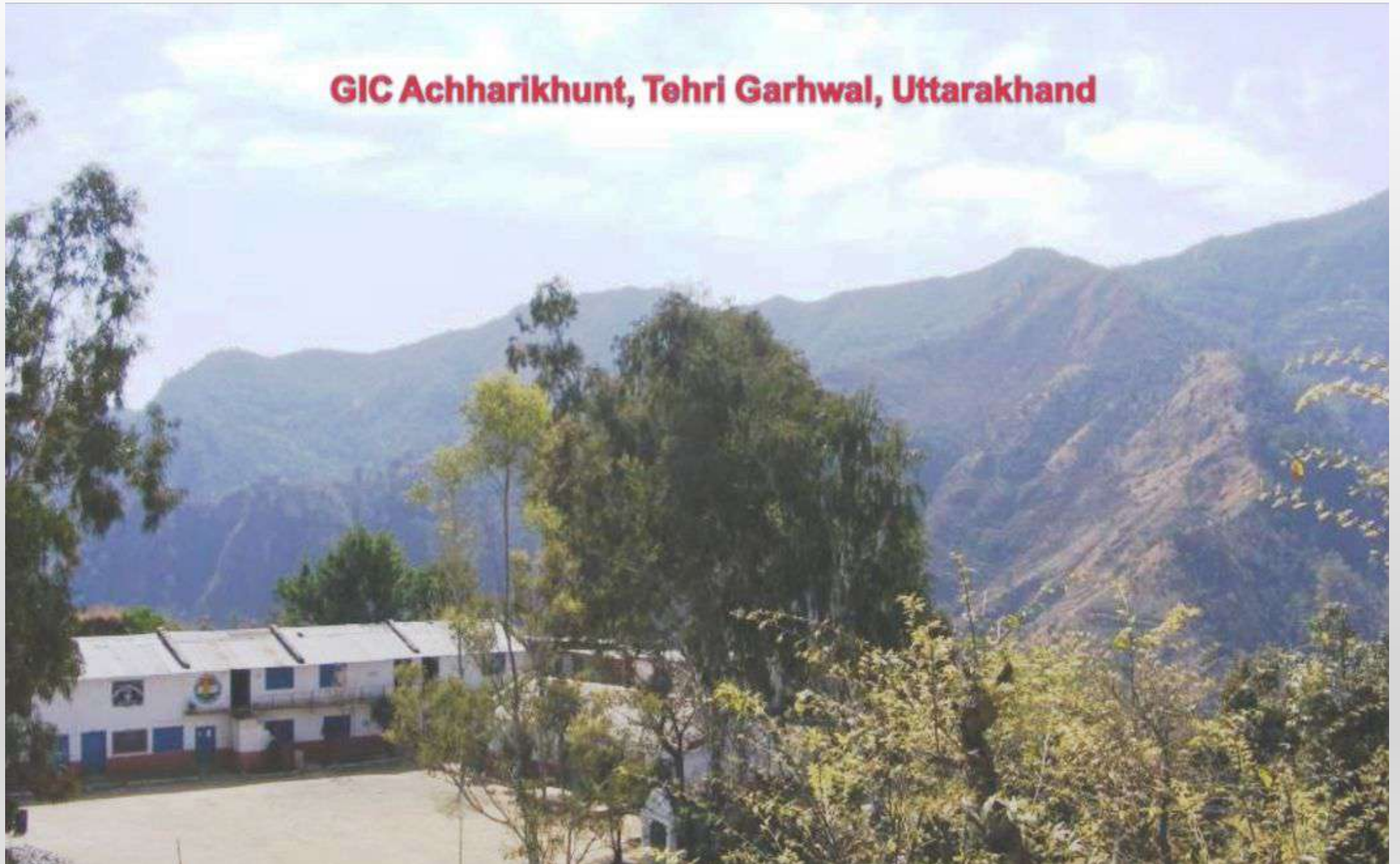
9. 2018 – I got promoted as PGT English and I chose to serve the school of my village GIC Nagrajadhar Karakot, TG.



GIC Tolisain Mukhem



GIC Achharikhunt, Tehri Garhwal, Uttarakhand

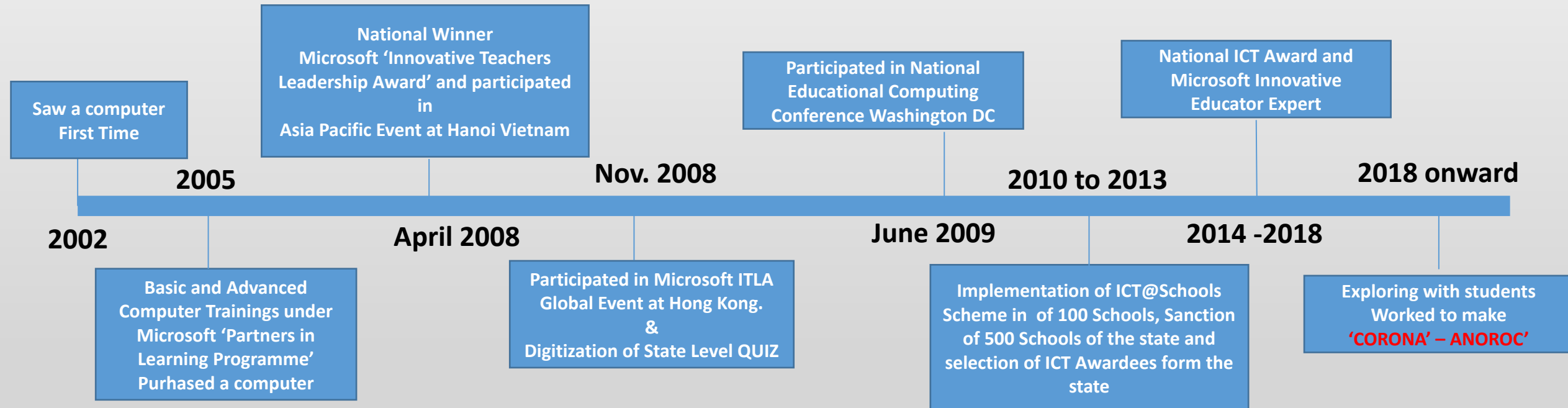




GIC Nagrajadhar – Karakot, Tehri Garhwal



My Intervention in ICT



My Intervention in ICT

- 1. 2002** – I saw a computer first time at GIC Tolisain Mukhem. Computers were supplied to schools under 'Arohi' scheme. We were not allowed to enter the computer lab without permission and an expert/trained teacher.

My Intervention in ICT

2. 2005 to 2008 – It was the rule to provide computer training preferably to teachers of Science and Mathematics. I volunteered my self for the training. I took the trainings seriously, purchased a computer and started to explore. I started from creating animated content for students on the Rotation and Revolution of the earth. Gradually I created a compact Bilingual (English and Hindi) presentation on the Terrestrial Planets for the students from class 3rd to 12th. I had to learn a lot from my colleagues regarding the Laws of Gravitation and Kepler's Law. To ensure the impact and seek feed back I submitted the CD of my work to the Principal, DIET Tehri. It was distributed in about 135 Inter Colleges through different trainee teachers. In 2008, one day I received a call from Mrs. Radha Chattergee (Manager, Microsoft PIL Programme in Uttarakhand). She guided me to apply for the ITLA event. I did so and in I got selected to represent in Asia Pacific Event at Hanoi – Vietnam in April 2008. And there I got selected to represent my work in the Microsoft ITLA Global Event held at Hong Kong in Nov. 2008. participants from 61 countries from all over the world participated in this event and I remained the fortunate enough to believe that why my country is known as “Vishva Guru Bharat” as I was judged the Global Winner in Content category. **I have been digitizing the State Level Quiz since 2008.**

TERRESTRIAL PLANETS

For the students of various age groups according to their learning abilities.

Click to begin

- Remember:-
- Remember Ring-Saturn
- Clouds-Thursday-Venus
- Gas is-Neptune-Uranus
- Saturn has largest ring-system
- No life on planets
- Created - www.terrestrialplanets.com
- Website - www.terrestrialplanets.com

HARD LUCK

QUIT

LEARN

HELP

42. Which is the second planet from the Sun?

Mercury

Venus

Earth

Sun

Gravity.

All things fall to the surface of the earth due to its gravity.

Gravity:-

Gravity is one of the fundamental forces in nature. Gravity makes objects move towards the center of the earth. The sun's gravity keeps the planets in their orbits. Because of earth's gravity, people and things on the ground are not floating away.





Let's Explore the Universe

From Chalk & Board
To IT Savvy Classroom

C.R. Acharya Khunt
Bachchan, Uttarakhand

BACKGROUND

- Located in the mountainous region of Uttarakhand
- Many Children are first generation Learners
- 175 Students & 4 Computers
- No Separate IT Teacher

CHALLENGES

- Lack of Basic Infrastructure
- Limited Access to Technology
- Natural Causal Isolation
- Low Exposure to English

GOALS

- Bridge Digital and Language Divide
- Use ICT to enhance the Teaching Learning process
- Create an IT enabled environment
- Improve School Results

FOUR FOLD STRATEGY

- Create Digital Content for the Use of Students & Teachers
- Introduce Project Based Learning for Students
- Encourage IT Usage Amongst Colleagues
- Share with Global Community

ALIGNMENT WITH LEARNING THEORIES

Gagne's 9 I-Events

- Initial Screen
- Objectives of the Learning Tools
- Components of solar system on clicking
- Memory Driven Detailed Content
- Options to Know more
- Multi-level Quizzes
- Feedback on Quiz, Go Back & Learn Option
- Question paper, Skip option in the Quiz
- Conclude in every Topic

Bloom's Taxonomy

- Knowledge
- Comprehension
- Application
- Analysis
- Synthesis
- Evaluation
- Creation

135 schools & 40,000 Students benefited

CONTENT CREATED

STUDENT PROJECTS

MY PROJECTS

SOCIAL STUDIES

Terrestrial Planets (Following Topics on Each Terrestrial Planet):

- Introduction
- Composition
- Size
- Gravity
- Distance from the Sun
- Rotation
- Revolution
- Conclusion

Emphasis on the planet Earth:

- Atmosphere
- Ozone Layer
- Green House Effect
- Seasons
- Eclipses
- Law of Gravitation (Newton)
- Kepler's Laws
- Centrifugal Force

Calculations:

- Gravity
- Density
- Orbital Period
- Radius and Circumference
- Know Your Country - India
- Natural Regions of India
- States and Capitals
- Neighboring Countries
- River Valley Projects
- Soil of India
- Our Growing Agriculture
- Forests of India
- Plane Techniques
- Drainage
- Democracy in the contemporary world
- People at Resources

ENGLISH

- The Sentence
- Paragraph Writing
- Parts of Speech
- The Noun
- Words and Meanings

OTHERS

- Perimeter of the Rectangle
- Prime & Composite Numbers
- What are things made of

IMPACT

ON STUDENTS

- Better understanding & Higher retention
- Increased Confidence Level
- Improvement in English Language
- Improvement in Marks

ON SCHOOL

- IT Savvy Environment
- Administrative work Computerized
- Improved School Results

ON COMMUNITY

- Project 'Terrestrial Planets' is being used in about 135 schools impacting about 40,000 Students
- Project 'Terrestrial Planets' is being demonstrated by 'The World Economic Forum' in different countries.
- Initiatives to preserve Environment.

MY WEBSITE:

- Created my own website.
- Uploaded Projects.
- Free download available
- Being used by Teachers & students

Path Ahead

- Create Digital Content for CBSE curriculum in Social Studies
- Take up Net based collaborative projects.

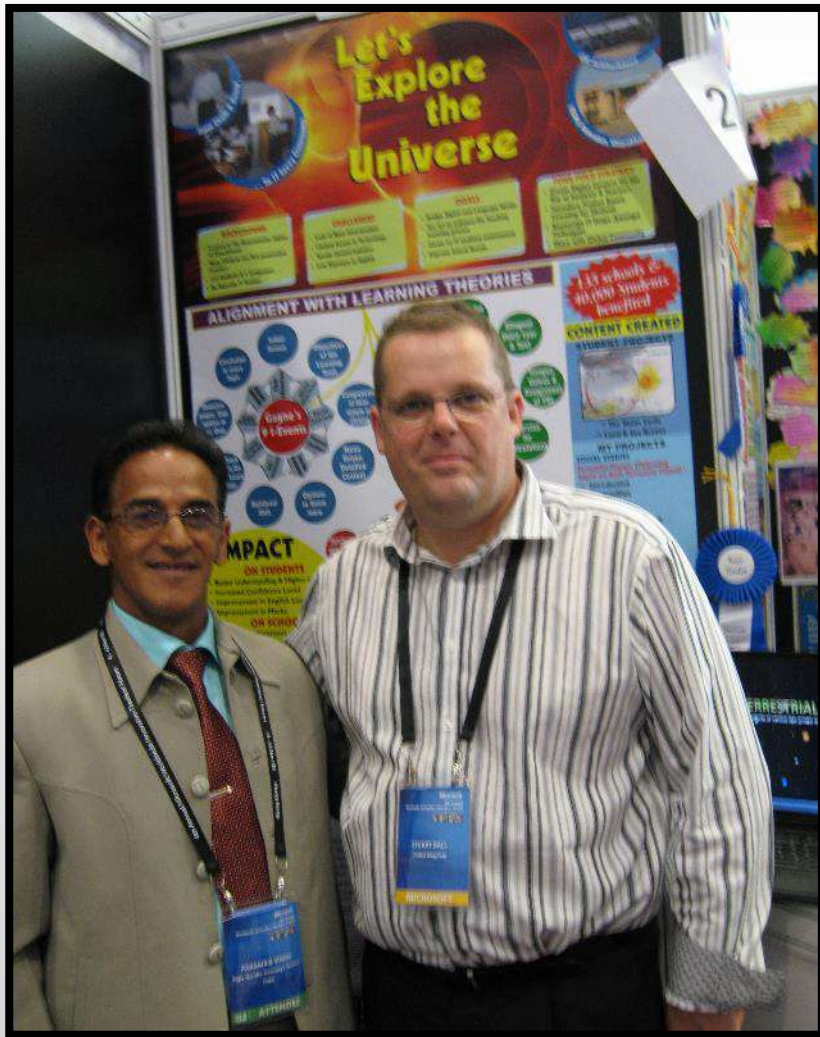
Project by : Parambir Singh Kathait,
TGT-Social Studies, Rajiv Gandhi Navodaya Vidyalaya, Dehradun, INDIA.
Ph: 09411183779, E-mail : pkathait@hotmail.com

Website :
www.pskathait.110mb.com





Asia Pacific Event – Hanoi Vietnam - 2008



**Global Event – Hong Kong
Nov. 2008**

Partners in Learning

Your potential. Our passion.[®]
Microsoft



P.S. Kothali, Rajeev Gandhi Navodaya Vidyalaya, Dehradun
Global winner for Innovation in Content for his project 'Let's Explore the Universe'

Become the most
talked-about
teacher
across
the world!

Step 1



Register at
www.microsoft.com/india/itla
or SMS "ITLA" to 58888

Step 2



For more details, ask your
Principal for a brochure, or
call 1800114001 (Toll-Free)

Step 3



Submit your
innovative teaching
project developed
with the use of IT

Step 4



Be one of the
10 winners whose
names will be announced
by August 2009!



Microsoft
INNOVATIVE
TEACHERS
LEADERSHIP AWARDS 2008-09

- Country winners will represent India at the Global Worldwide Teachers Forum
- Registration starts on: **1st April, 2009**
- Last date for registration and project submission: **25th May, 2009**
- Participation open to all teachers of classes 1-12
- Separate category for teachers with special needs*

For registration form and detailed brochure, contact your school Principal or visit www.microsoft.com/india/itla • You can also get more sample lesson plans at this site.
For more details: Call 1800114001 (Toll-Free) or 022 2836011, Email itla2008@arfolgcs.com or Fax 022 28389268

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Malayala Manorama

दिसम्बर 2008

वर्ष 16 अंक 12

20 रुपये

गुंजाह

आप की बात सब तक



विश्वमंच पर देश को
दिलाया प्रथम स्थान



- एड्स दिवस पर विशेष
- ब्राजील
- रवीन्द्रनाथ टैगोर
- उमाशंकर जोशी
- उत्तराखण्ड में ग्रामीण पर्यटन

परमबीर सिंह कटवाल

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My Intervention in ICT

3. 2009 – In June 2009 I received an invitation from Microsoft to participate in “National Educational Computing Conference” at Washington DC. Microsoft also provided me the membership of ‘International Society for Technology in Education’. I remained fortunate enough to have the opportunities to learn a lot from different platforms.



Washington DC – June 2009



My Intervention in ICT

4. 2010 - 2013– In March 2010 was appointed as Incharge ICT Cell, in the Directorate of School Education – Dehradun Uttarakhand. My work was mainly to support in the implementation of 'ICT@Schools' scheme. During this period I could contribute to:

- i. Implementation of ICT@Schools scheme in 100 Schools.
- ii. Got sanction from MHRD GOI to cover other 500 schools under the scheme.
- iii. Ensure the maximum participation of teachers for ICT National Award.
- iv. Organise different computer training programmes in different DIETs.

My Intervention in ICT

5. 2014 – 2018 – In April 2013 I joined my school again and assigned a project to my students on 'The Kedarnath – Disaster' with the help of ICT Tools. This project brought me the National ICT Award. I also remained the Microsoft Innovative Educator Expert for the years 2014, 2015 and 2016.









BACKGROUND
Mountainous Region,
Low Exposure to English Language,
Lack of Basic Infrastructure in Schools.

CHALLENGE
Lack of Basic Infrastructure and Internet Connectivity at Schools,
&
Advanced Technology Vs Teacher and Student Community.

GOALS
To Facilitate teacher and student community with technology tools for classroom interaction.

To Motivate and Guide the teacher and student community to make the best use of technology in teaching learning process.

FOURFOLD STRATEGY
1. To create digital content for teachers and students.
2. Introduce Project based learning for students.
3. Encourage IT Usage among teacher and student community.
4. Sharing my work with the Global Community & Enhance my Own Learning

Learning Through Interactive QUIZZES

IMPACT

Year	Block Level	District Level	State Level
2010	250	200	200
2011	250	200	200
2012	250	200	200
2013	250	200	200
2014	250	200	200
2015	250	200	200
2016	250	200	200
2017	250	200	200
2018	250	200	200
2019	250	200	200
2020	250	200	200
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2095	250	200	200
2096	250	200	200
2097	250	200	200
2098	250	200	200
2099	250	200	200
2100	250	200	200

One Lac & Twelve Thousand Students

Alignment with Educational Theories

Salient Features of the Social Studies QUIZ

- 1. Group Learning
- 2. Self Evaluation Tool for Teachers
- 3. Self Evaluation Tool for Students
- 4. Self Learning Tool for Students
- 5. Bulk of Knowledge in Single Question
- 6. Opportunity to Recall Learning
- 7. Self Assessment Tool for Teachers
- 8. Self Evaluation Tool for Students
- 9. Self Learning Tool for Students
- 10. Bulk of Knowledge in Single Question

IMPACT

MY WIKIS

My Commitments as a Microsoft Innovative Educator Expert

Being a Key Resource Person (KRP) at State Level, I would be able to impact:-

- All Teacher Trainees at State/District/Block Level Directly & the entire Teacher Community of my State Indirectly.
- Teachers of Private Schools at Dehradun as have planned to Organize G K Quiz Competition in Private Schools in 2015.
- Global Community through Social Network.

Presented By:

Year of the 'Universal Adult Franchise' granted by following countries

Year	Country
1893	New Zealand
1917	Russia
1918	Germany
1929	Netherlands

One Pair of year and Country shown above is wrong. Which is the country?

A: New Zealand B: Russia
C: Germany D: Netherlands

Flowchart: Red Harvest → A → B → The poorest can no longer buy bread. A leads to Disease epidemics and Food riots. B leads to C and D.

Food riots
Scarcity of grain
Increased number of deaths
Rising food prices
Weaker bodies

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India's share of world's Population & Area

POPULATION: Rest of the world, 83.3%; India, 16.7%

AREA: Rest of the world, 97.8%; India, 2.2%

Observe the Pie charts and calculate that:- How many times is the Population of India more than it's Area?

A: 7.14 B: 7.95
C: 8.16 D: 6.95

Map of India: One state is highlighted in green.

Name the State of India highlighted above in the map.

A: Maharashtra B: Orissa
C: Telangana D: Andhra Pradesh

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Portraits: A, B, C, D (Four portraits of Mahatma Gandhi)

उनमें किसे मैं से कील से फिर गलामा माने के हैं ?

A: B & D B: C & D
C: A & D D: उनमें से सभी

Portraits: A, B, C, D (Four portraits of Indian leaders)

Who among the above was born in Uttar Pradesh?

A: A B: B
C: C D: D

Time Line : Total 180 Seconds

The broken clock: Chimes were used to tell slaves a break when slaves for the act of becoming free.

Breaker biting the tail to form a ring: Symbol of liberty in way his father's legging was cut.

The bundle of rods or fagots: One rod can be easily broken but, not an entire bundle. Strength lies in unity.

Woman in Elizabethan clothes with broken chain: Symbolizing the release of France and the act of becoming free.

Red Phrygian cap: Cap worn by a slave upon becoming free.

Supper: Symbol of strength power.

The winged woman: Personification of the law.

Next

Image: A winged woman holding a torch.

What does the picture of the winged woman shown above symbolize?

A: Personification of knowledge B: Personification of liberty
C: Personification of Freedom D: Personification of law

Portrait: Pt. Jawaharlal Nehru (1889-1964) born: Uttar Pradesh. Prime Minister of the interim government.

Who among the above was born in Uttar Pradesh?

A: B: C: D:

Percentage of people below poverty line in different States of India (2011-12)

State	Rural	Urban	Total
Odisha	44.8%	24.7%	36.9%
Bihar	39.8%	30.9%	35.3%
Sikkim	3.5%	3.4%	3.4%
Goa	4.2%	1.9%	3.0%

Poster: "The smoke from the chimneys is the breathing of Soviet Russia".

What do this poster (factories) symbolize?

A: Industrialization B: Freedom
C: Prosperity D: Socialism

Crossword:

Across:
9. A tributary of Indus originating from Himalaya Pradesh.
10. Answer flowing through fault, drains into the Arabian Sea.
11. Answer of word India which requires an extra letter to form a word.
12. A river which flows through Ladakh, Gilgit and Pakistan.
13. An important river of Indian Desert.
14. The river which joins Ganges in Pakistan.
15. Answer which uses all Vowels in Order.

Down:
1. KRISHNA
2. GANGA
3. BEAS
4. DAMODAR
5. SUTLEJ
6. RAVI
7. GODAVARI

My Intervention in ICT

6. 2018 – In May 2018 I got promotion as PGT English and during the counselling I chose to serve the school of my village GIC Nagrajadhar Karakot. I had some plans to support the needy students but I could not meet the financial needs and at the same time we had to face the pandemic CORONA. Taking it positively in the field of education we could prove and divert CORONA as ANAROC (Expressive, Optimistic, Outgoing and Inspiring. Ability to persuade others effortlessly). As the larger student and teacher community could learn the best use of ICT in education.

- i. I remained cluster coordinator to monitor the movement of visitors.
- ii. Block Coordinator for the development of e-content and monitor the online teaching learning process.
- iii. Resource person for **Diksha Portal**.

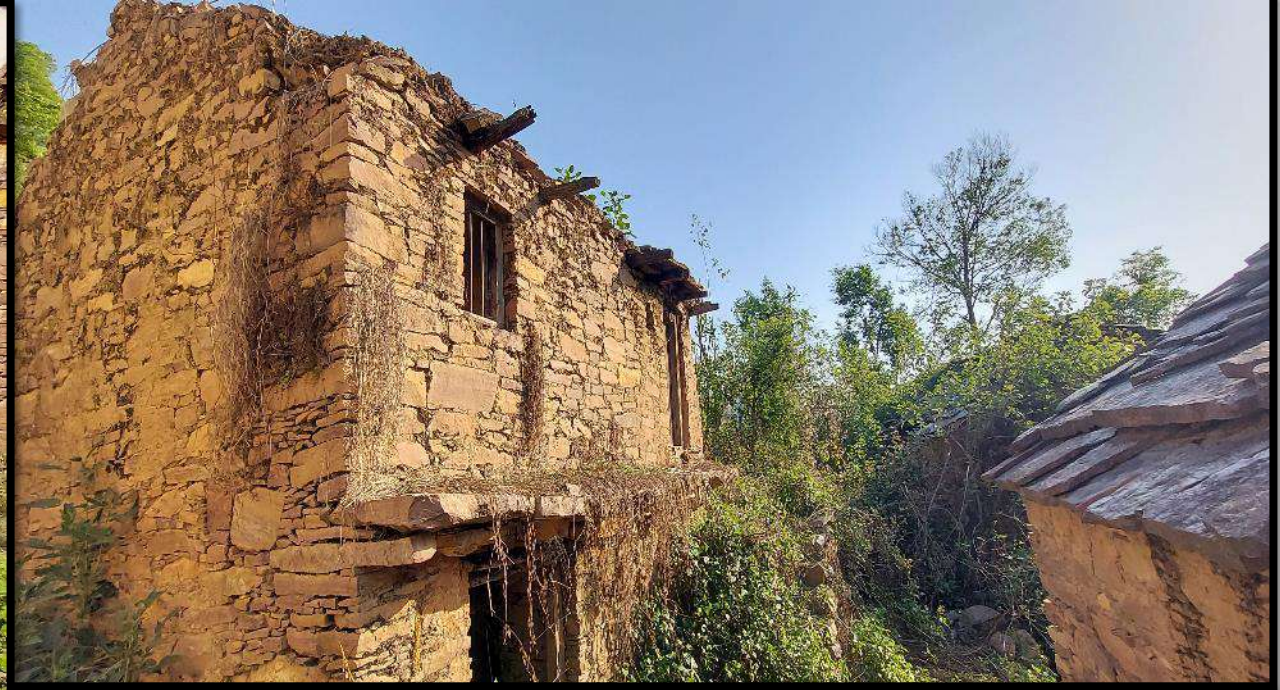


WHY I CAME BACK TO VILLAGE?

Inspired by Jagdamba Chamola Ji's Poem :

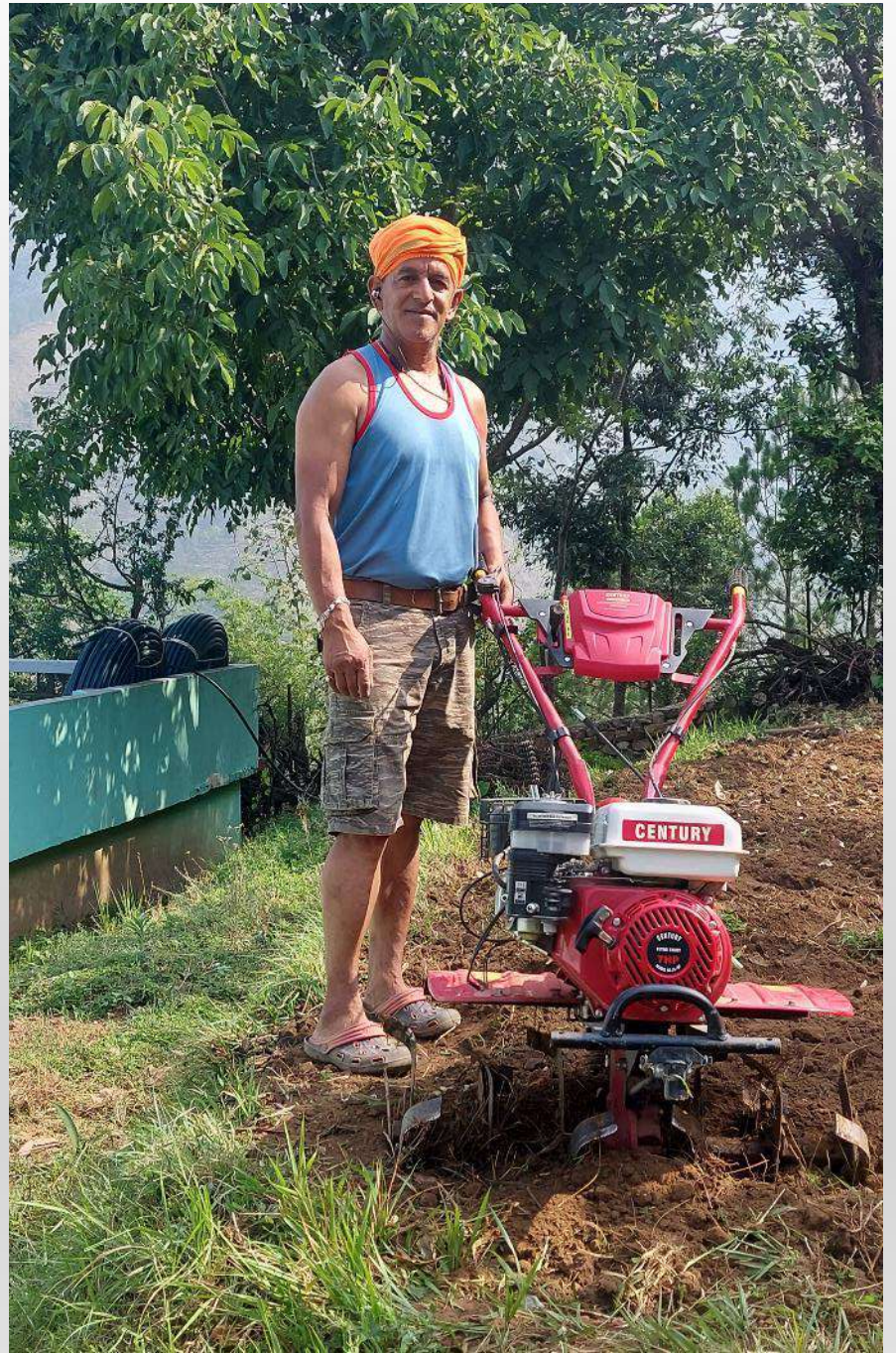
जु छा यख सब उन्द जयां छन, यख सुख्याँ मुगरेठ रयां छन.”

- I. I have sufficient self resources which I can use to comfort my professional, social and economic life.
- II. To explore, how to stop **migration** from the hills of Uttarakhand. Surely, Pandemic CORONA has supported and taught the migrated people the importance of their native land.
- III. Planted 200 trees of Lemon and continuously trying to generate self employment for the youth of my native land.
- IV. I try to convince the migrated people that our native land provides us opportunities to remain healthy and wealthy as well. We do not need to go for walking and to doctors but can remain healthy by working in our fields and simultaneously we can contribute to increase the GDP of the country.
- V. I try to ensure maximum participation of students in cultural activities.











Thanks