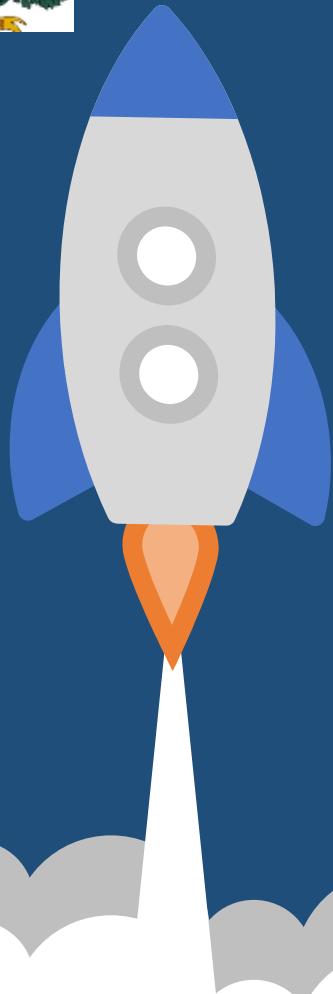
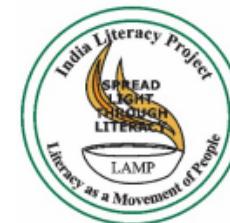




# KK Region – ILP - DELL Project for Skilling High School Students



Date: 19<sup>th</sup> Jan-2024  
Place: Azim Premji  
School , Kalaburagi



Implemented by  
**India Literacy Project**  
[www.ilpnet.org](http://www.ilpnet.org)

Supported by  
**DELL**  
Technologies

**A CATALYST FOR 100%  
LITERATE & EDUCATED INDIA**



Website: <http://www.ilpnet.org>



**10**  
**States**

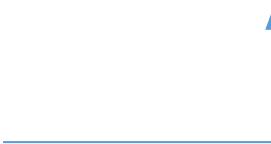
# Our Reach

We hit the 3 Million mark!

**7185**  
**Villages**



**24202**  
**Preschools & Schools**



**3,348,819**  
**Students**



# What we do...

1

**Enroll and retain children  
in preschools and schools**

2

**Enable learning in  
innovative ways**

3

**Empower students  
through career pathways**

# Our Approach



Create Easy to use, Open Source,  
Packaged, resources and Processes that  
are owned by and belong to every  
teacher that uses it  
without depending on us.

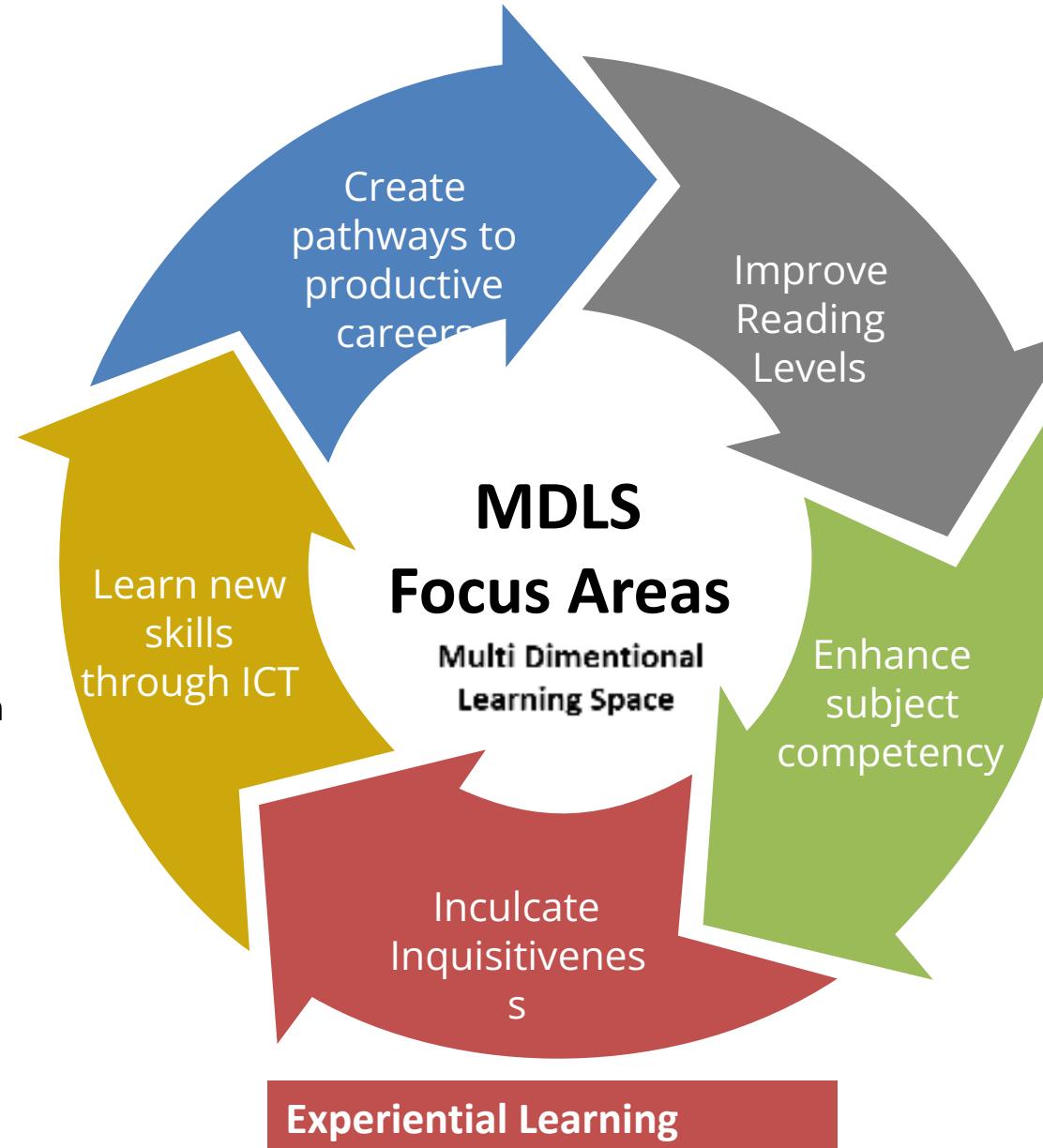
# Our Programs

## Career Guidance

- Career Exposure
- Self Discovery tools/Psychometric tests
- Career Guidance
- Available in Kannada, English, Tamil, Telugu, Urdu, Odia and Hindi

## Skill Development

- Implement ICT in school education
- Self Learning Modules for 30+ Linux Tools
- NCERT recommended tools
- Follows TALP guidelines
- Available in Kannada



## Experiential Learning

- Comprehensive science kit for grade 5<sup>th</sup> to 10th
- Google earth based content for Social science
- Available in Kannada, English , Tamil, Hindi and Odia

## Library program

- Child friendly library setup
- Reading level appropriate books
- Reading habits calendar
- Assessments
- Kannada, Tamil, Telugu & Hindi

## Digital Classrooms

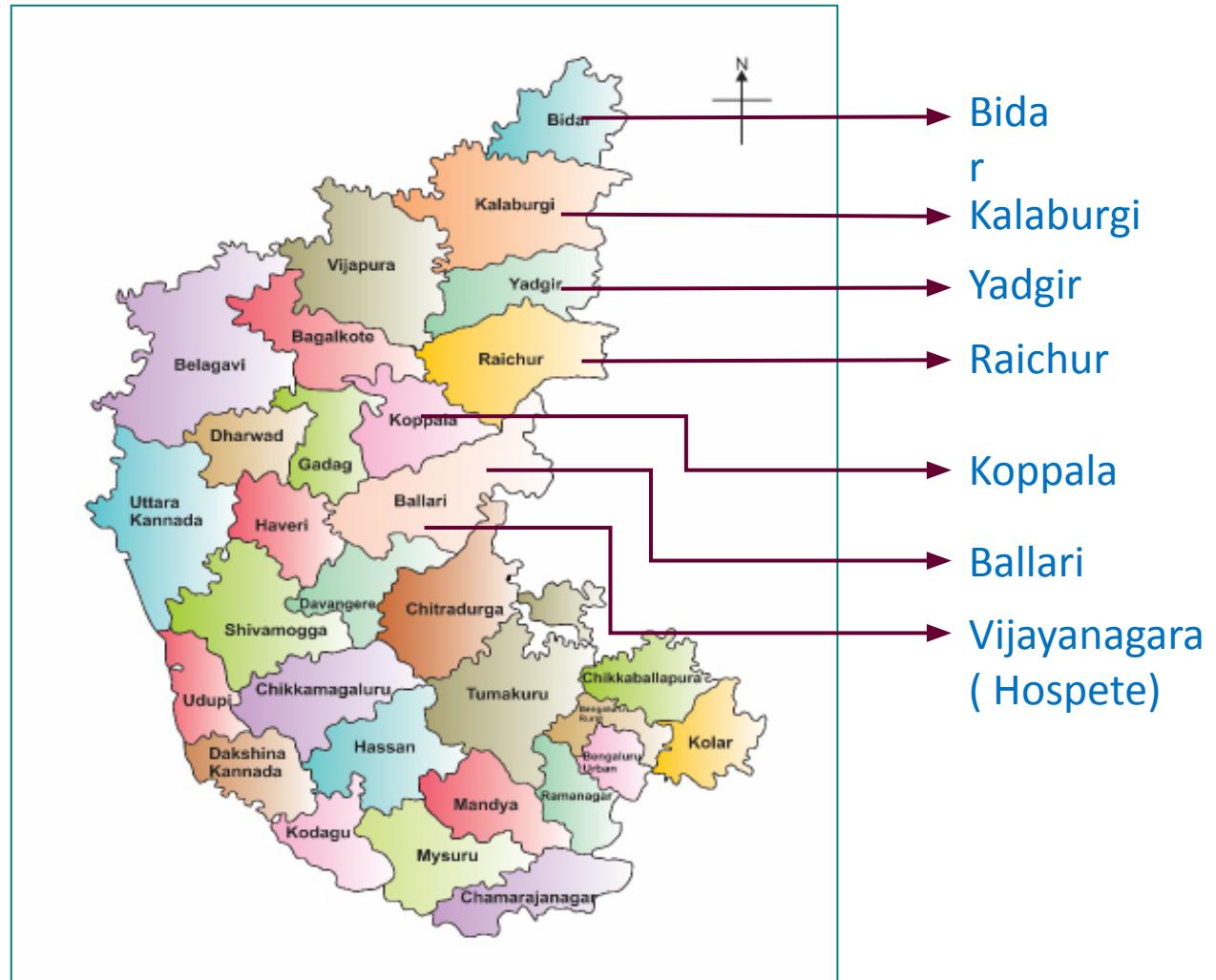
- Constructivism (5E) at the core
- Follows NCF/NEP Guidelines
- Open Source, Editable, Mapped to Syllabus
- Available for grade 4<sup>th</sup> to 10th
- Math, Science and Social Science
- English, Kannada, Tamil & Telugu

## DELL – ILP PROJECT LOCATIONS

### Kalyan Karnataka Region:

- Ø High Schools 1193
- Ø GP Libraries 1045
- Ø Students 3+ lakhs
- Ø Teachers 5000+

## Empowering Educators to provide ICT skills & career guidance to students



# Activities We Do

## ICT in school Education for Skill Development

### Computer Skills

Encourage self learning through videos created in Kannada for about 30+ Linux tools

Conduct regular training sessions to both teachers and students on the tools.

Help teachers integrate these tools as part of their curriculum for practical learning.

### Career Exposure

Enable children to aim big and work towards their goal

Help children understand specific aspects of careers of their interest

Train teachers to be career counsellors

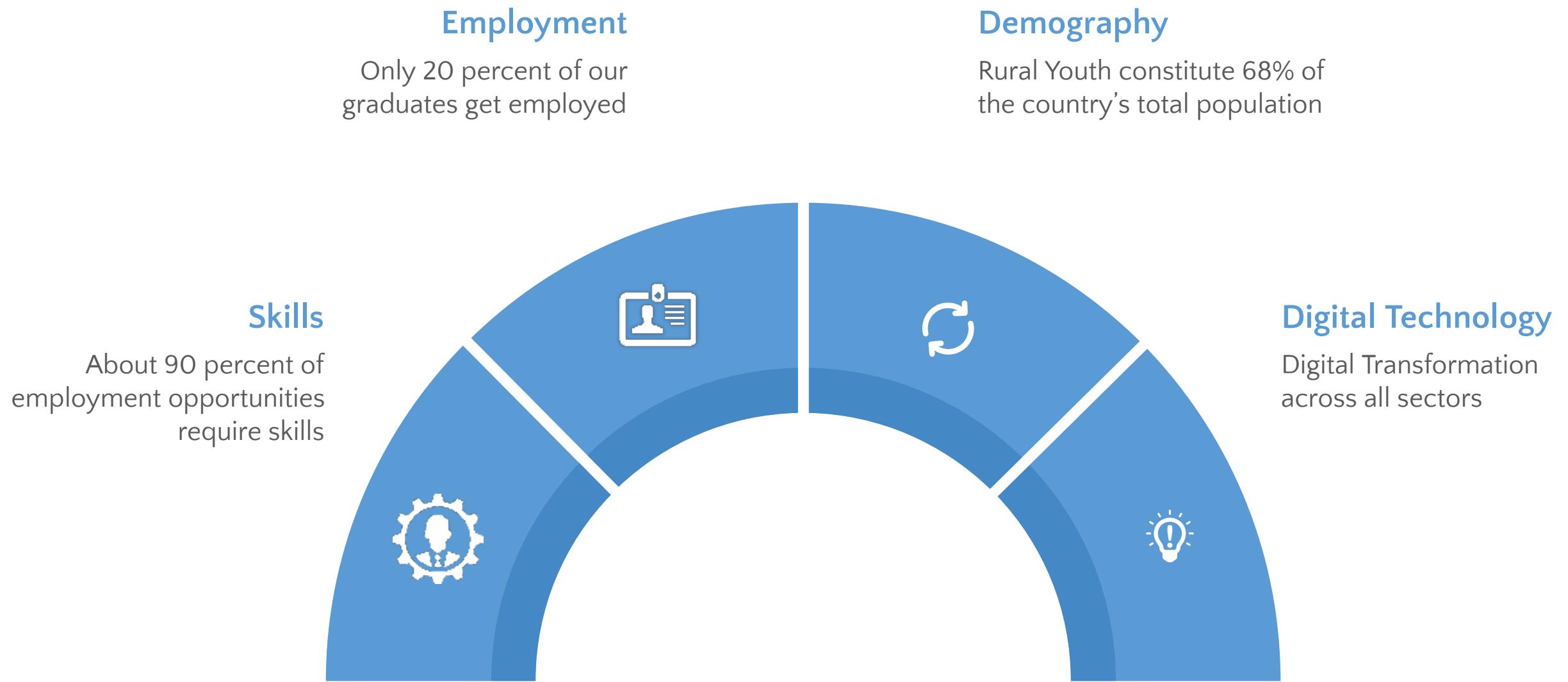
### Digital Classrooms

Conduct teacher training on Digital Classroom using ILP's content framework

Help link curriculum to Computer tools, so that students practically use tools they learn even for their syllabus

Help students become job ready while learning their subjects too

# Why Digital Skilling

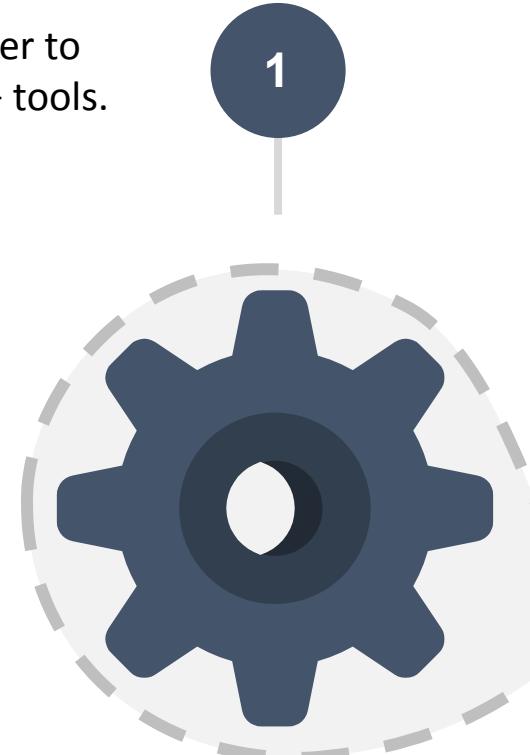


# Challenges – TALP

ICT in school Education for Skill Development

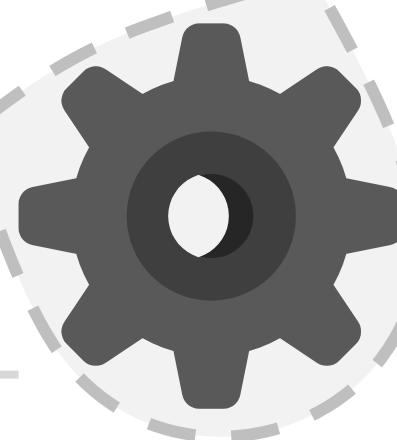
It's hard for one teacher to be an expert at all 30+ tools.

1



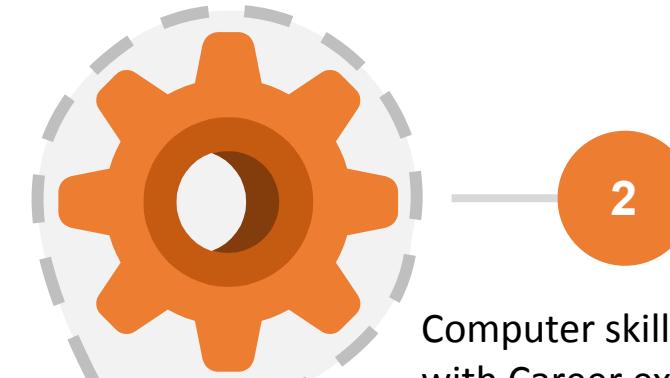
It's hard for teachers to both teach the tool and help children apply them to learn other subjects.

3



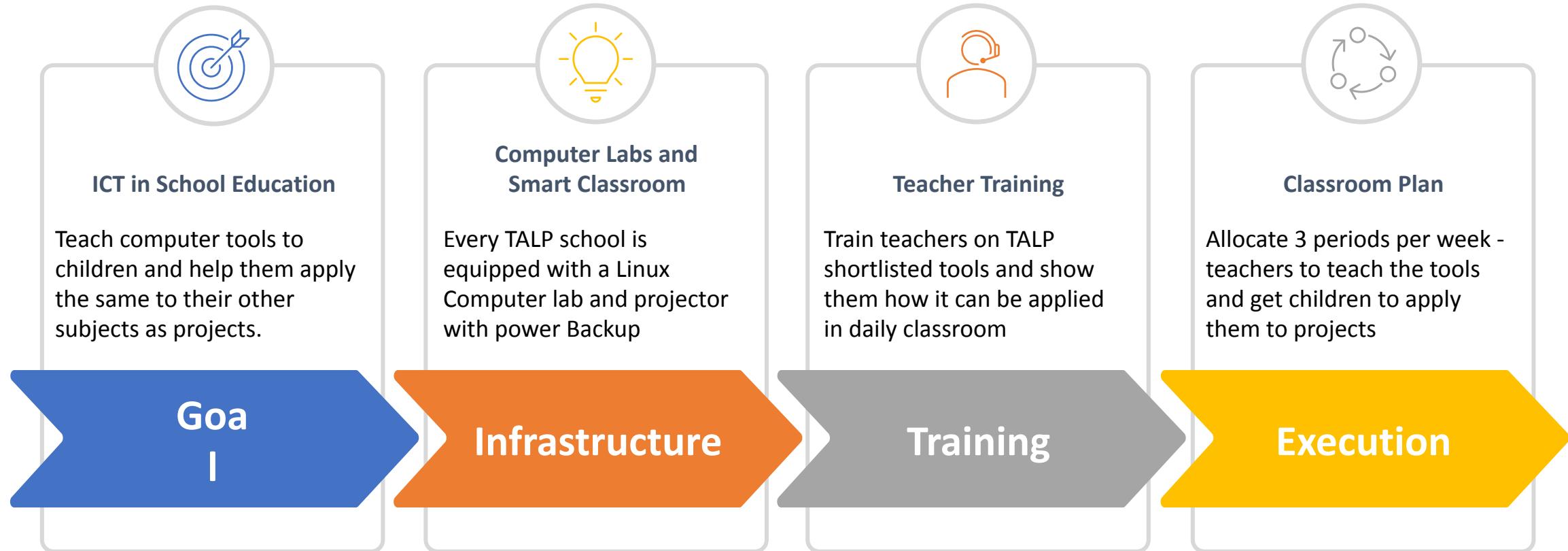
2

Computer skills should be complemented with Career exposure  
(visual + experiential learning will be bonus)



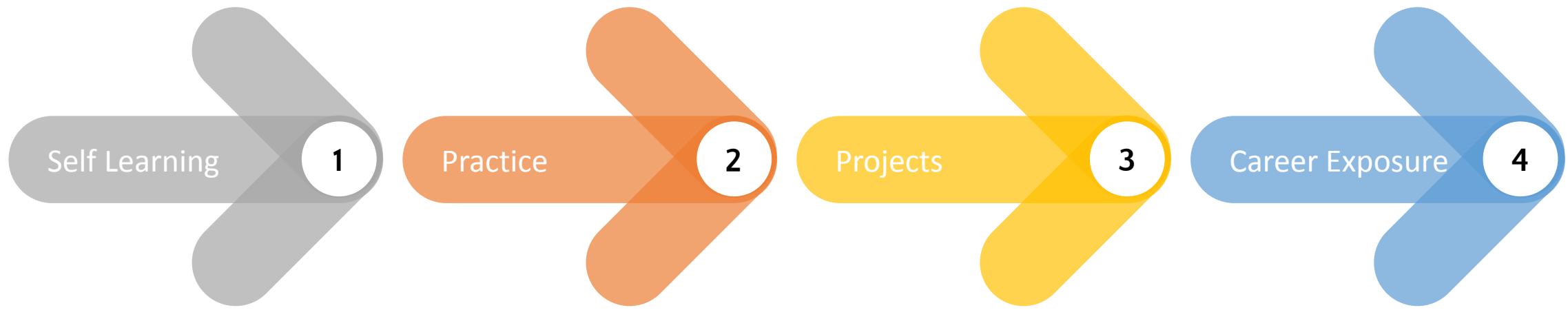
# Current Program – TALP

ICT in school Education for Skill Development



# Solution – TALP+

ICT in school Education for Skill Development



Enable and Encourage students to Self Learn using Training videos in Kannada

Help students practice the tool with a practical example as they learn

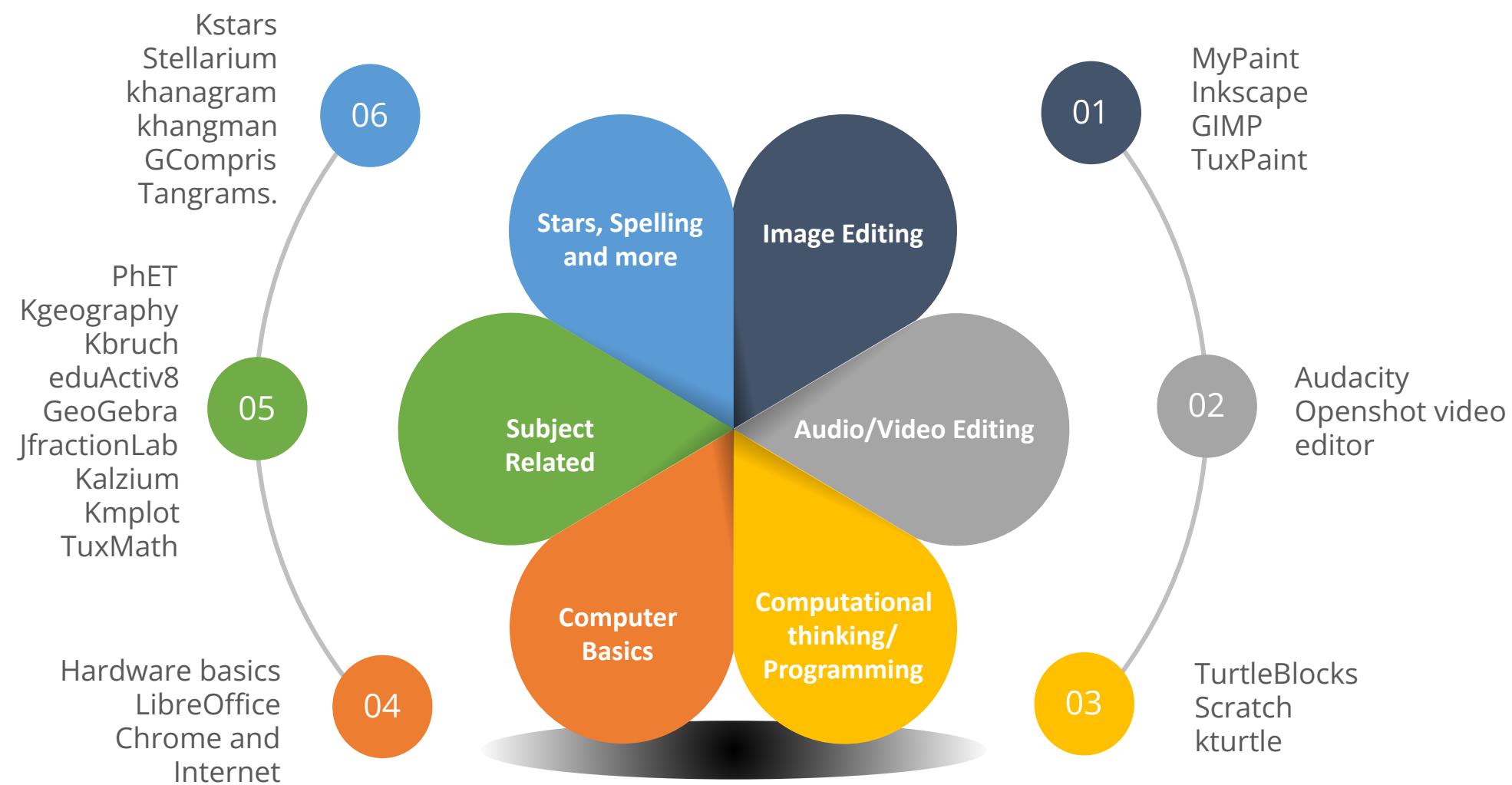
Suggest meaningful projects to students / teachers that map to core subjects

Explain career options, so that students understand the use of tools in the career of their choice

# ICT in School Education

Computer Basics  
Image Editing  
Thought Articulation  
Data Entry and Organization  
Puzzles / Vocabulary  
Programming  
Math and Science Simulations  
2D/3D Image Editing  
Audio Editing  
Video Editing  
Presentation skills  
Data Manipulation and Analysis  
Internet / Cyber Security  
Astronomy Basics

## Skills



## Tools

# Curriculum – 3 Years

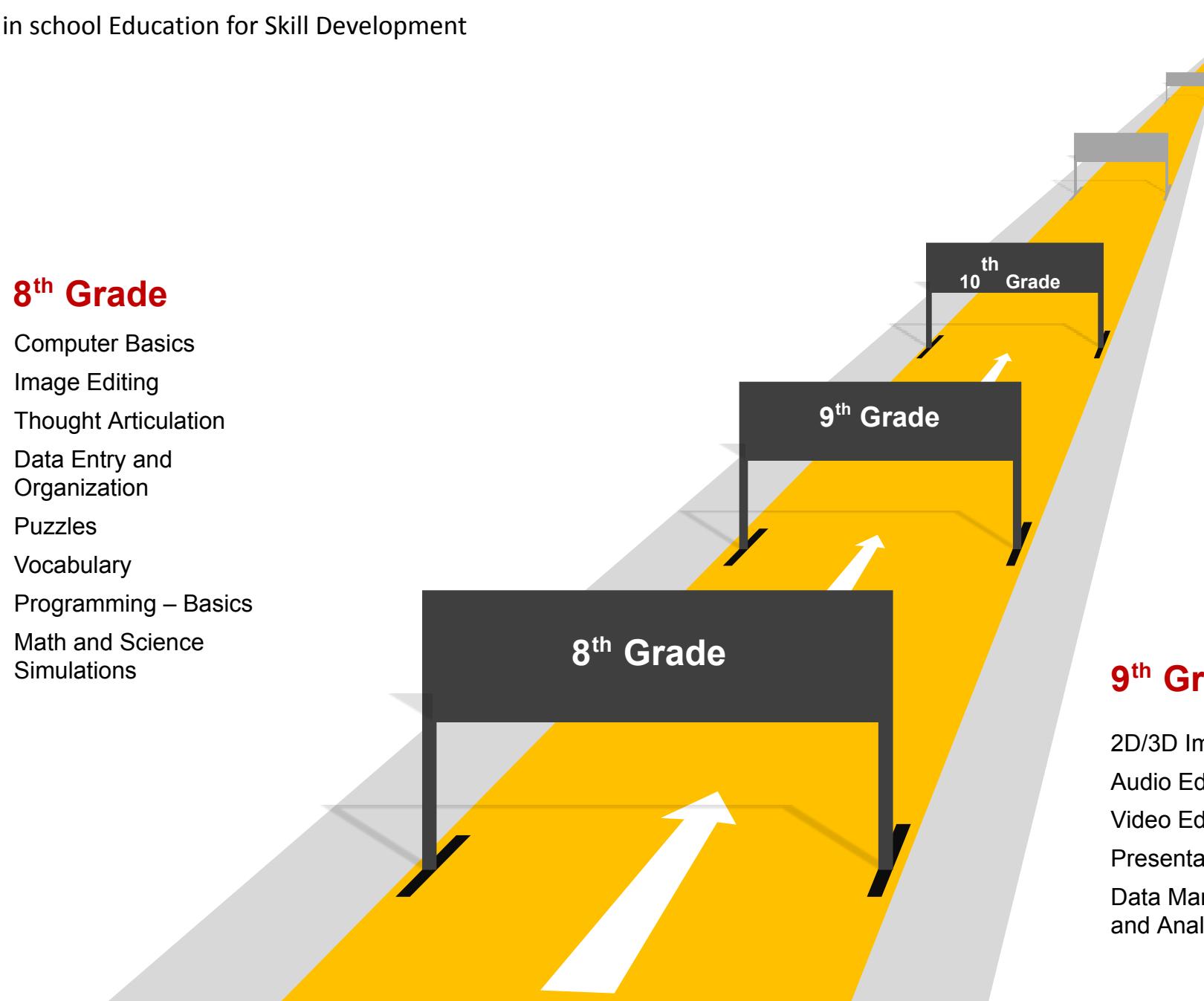
( Can be changed based on TALP goals)

ICT in school Education for Skill Development

## 8<sup>th</sup> Grade

Computer Basics  
Image Editing  
Thought Articulation  
Data Entry and Organization  
Puzzles  
Vocabulary  
Programming – Basics  
Math and Science Simulations

## 8<sup>th</sup> Grade



## 10<sup>th</sup> Grade

Astronomy Basics  
2D/3D Image Editing  
Audio Editing  
Video Editing  
Presentation skills  
Data Manipulation and Analysis

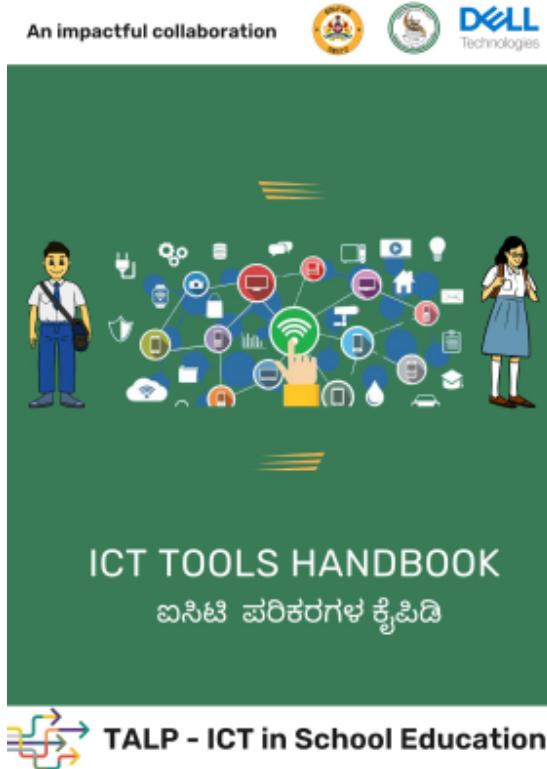
Science and Math Simulation - Advanced  
Programming - Advance

## 9<sup>th</sup> Grade

2D/3D Image Editing  
Audio Editing  
Video Editing  
Presentation skills  
Data Manipulation and Analysis

Internet  
Cyber Security  
Science, Math and Social Science Simulation  
Programming - Intermediate

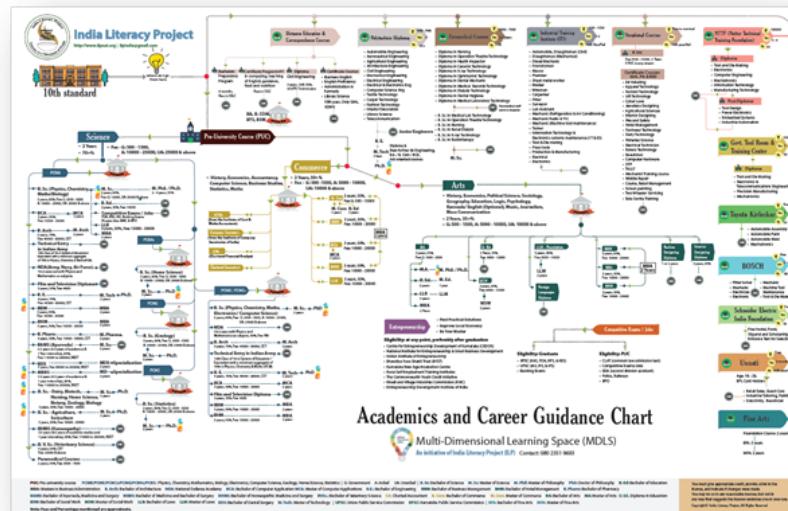
# ICT in School Education



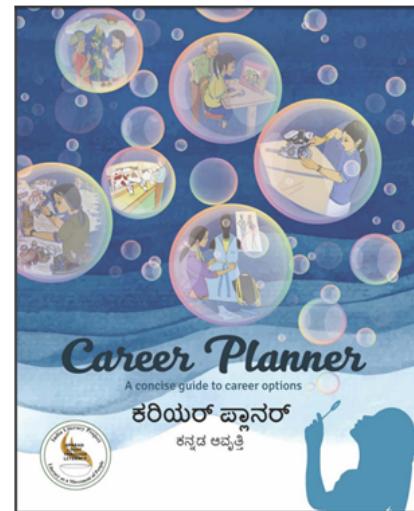
## What we provide:

- Self Learning videos in Kannada for 30+ educational tools.
- Structured training program for subject Teachers (English, Science, Maths & Social Science)
- Covering over 1100+ govt schools across 10 districts in Karnataka.

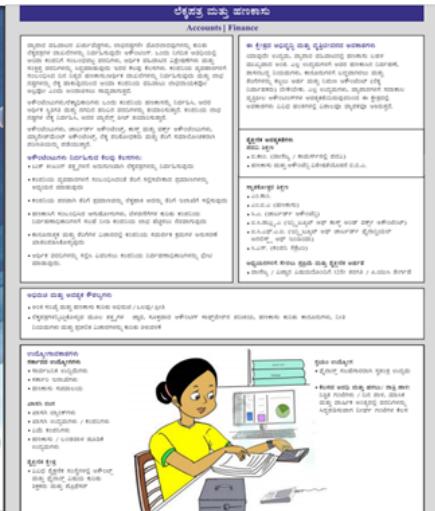
# Career Exposure and Counselling



## Career Chart on Fabric



## Career Planner/Book



12th Grade Results and Future

Holland Code

Setting goals

GOAL

Interviewing a Professional or a Working Person - Activity Worksheet

12

13

14

GOAL

11

10

9

8

7

6

5

4

3

2

1

My inspiration

About myself

My dreams

My school and I

My hobbies

My role model

Why do I want to work?

My family education background

Career options around you

10th Grade results & future

## Self discovery Workbook

## What we provide:

- Career Chart, Career book and Visual Aptitude test
- Mobile App and Website with career info
- Structured training program for Teachers/Career Counsellors
- **Covering over 3,75,000 students of govt schools across 10 States. Have trained 180 Rotary Volunteers pan India.**



ILP Chat BOT 93848 80336

# Digital Content to improve learning



## Visual Learning- Smart Classrooms



## What we provide:

- Free, Open source, Customizable (In PowerPoint format). [Uploaded on the Diksha Portal, MHRD, of Govt of India.](#)
- Aligned with NCERT Curriculum for government schools: Grades 4-10 for Science, Math, Social Science
- Teacher training and support for use in class
- Feedback from teachers – very useful for teaching and more so for revision after the chapter is taught

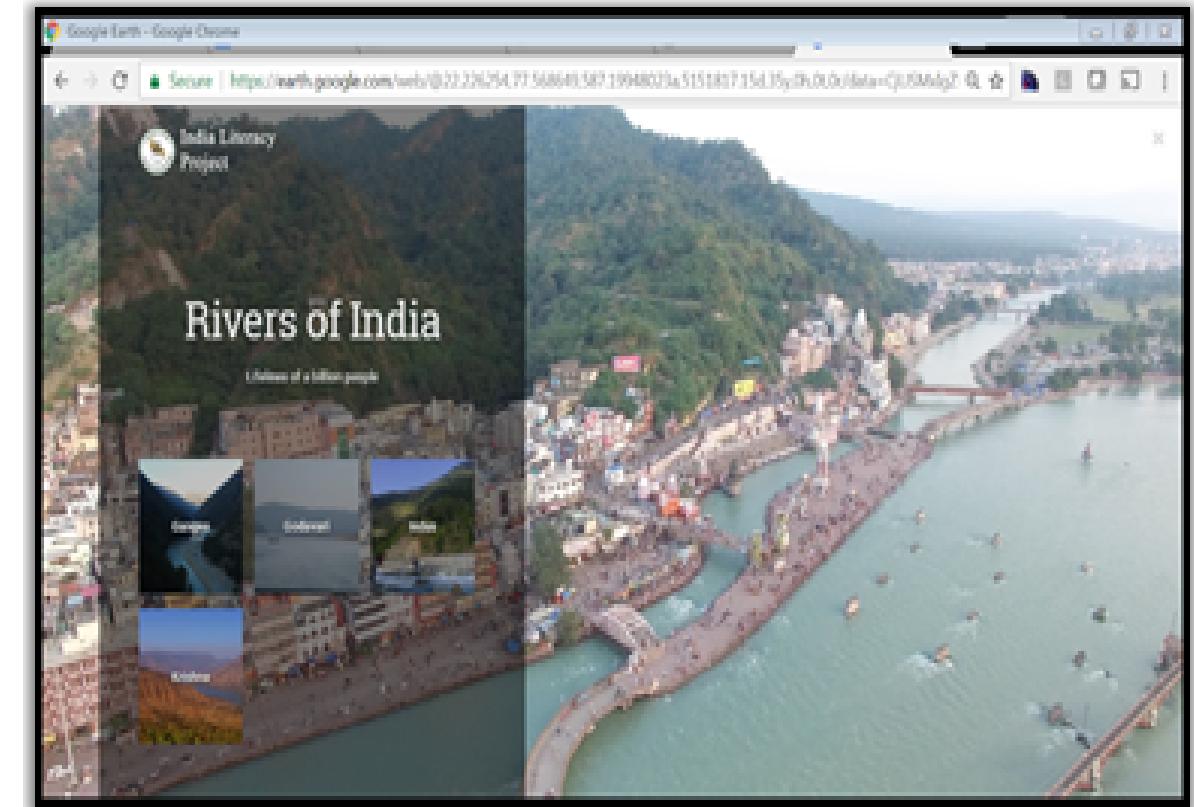
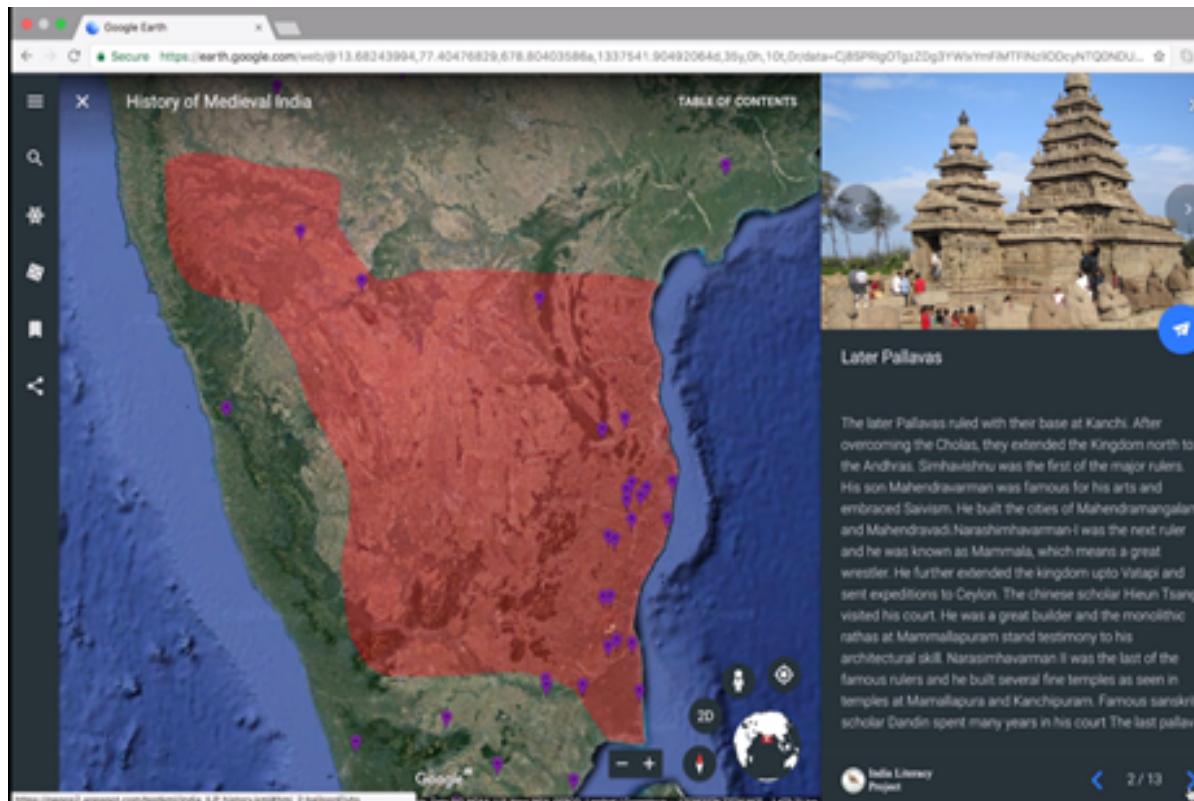
# Experiential learning: Science Kits



## What we provide:

- Hands-on, Low cost, Local material. **Dept of Education, GoK, has quality certified and purchased 5500 kits, Rotary Bangalore Dist, Infosys Foundation and other CSR have purchased the kits from us**
- 150+ Components for experiments in Physics, Chemistry and Biology to cover 150+ concepts
- Aligned with NCERT Curriculum: Grades 5 – 10, Training videos, manuals and a structured training program.

# Experiential learning: Bringing the World into the Classroom



## What we provide:

- Google Earth based explorative content for History and Geography
- Enables Visual Learning and Exploration
- State Curriculum: Grades 6 -10

# ILP – Government Partnership

Development

ICT in school Education for Skill



**ILP**

- Free and Open Source, Self Learning Training Videos on all Linux Tools taught as part of TALP ( All training modules in Kannada)
- ILP Facilitators (funded by ILP) in each district to work with the education department to help with the execution
- Provide Career Counselling kit and train all high school teachers to help them become career counsellors
- ILP Facilitators can also work with teachers on using ILP's and department's open source digital content for core subjects
- ILP Facilitators trained Department MRPs across all districts to provide training to all science teachers

**Government**

- ICT infrastructure ( Already implemented in TALP schools)
- Trained Teachers ( Already trained on TALP)
- Project monitoring along with ILP
- Science kits for all schools

# Approach: Towards the Self Sustainability.

## 2021-22

- Setting up the ICT Labs
- Upgradation of System OS
- Self Learning resources uploading.
- Demonstration from facilitators .
- On job -training and continuous mentoring

## 2022-23

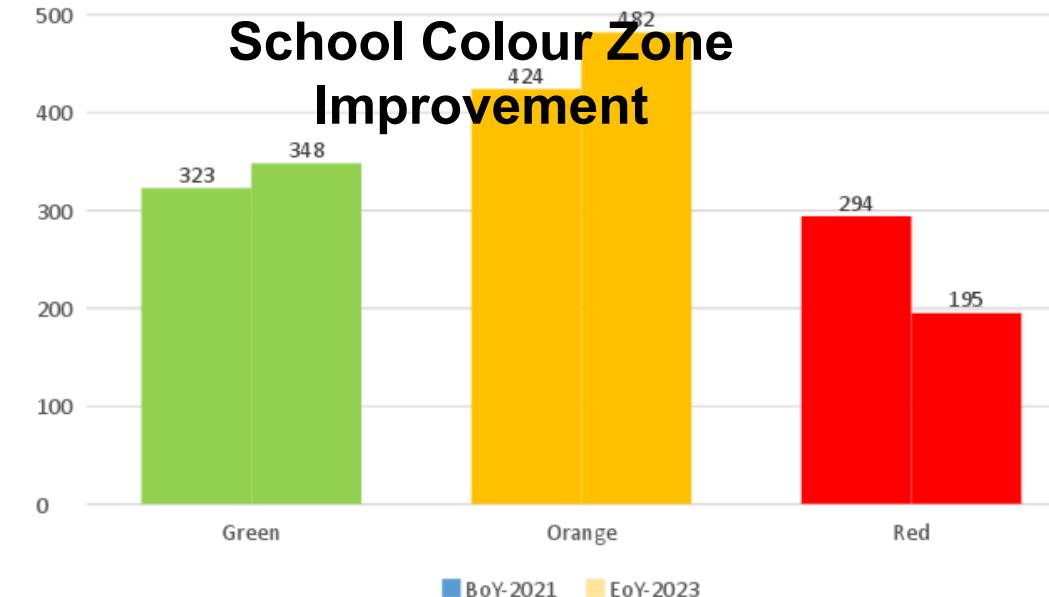
- Segregated the schools in the color zones ( based on the infra- assessment )
- Upgrading the OS along with upgrading the contents .
- Identification and fixing of infra gaps .
- Demonstration ( 50% ) from teachers and observation towards self learning.
- Self learning assignments to students
- Tools assessment

## 2023-24

- Towards Self learning -Self exploring and Self sustainability.
- ICT Subject based trainings ( 34 blocks-136 days)
- On- Job mentoring & hand holding .
- Demonstration from teachers and observation continues.
- Tools assessment continues.
- More practice sessions to students
- Identification and fixing infra gaps .

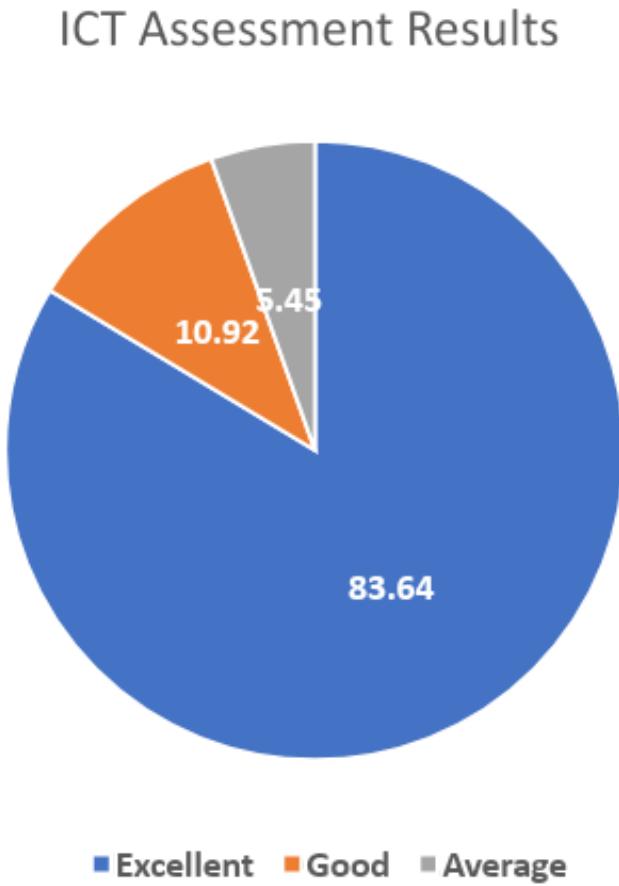
# Impact – Fixing the Infrastructure

Dist(KKR)	Green 2021	Green 2023	Orange 2021	Orange 2023	Red 2021	Red 2023
Yadgir	44	37	39	52	34	13
Raichur	73	78	63	88	60	33
Bidar	24	50	34	83	89	16
Kalburgi	81	108	108	91	54	49
Bellary	31	15	128	113	27	57
Koppal*	70	60	52	55	30	27
<b>Total</b>	<b>323</b>	<b>348</b>	<b>424</b>	<b>482</b>	<b>294</b>	<b>195</b>



- **Green Zone** - Infra is good and functioning well. Good cooperation from the Teachers and students. There is active school participation in ICT, Digital learning and Career guidance sessions.
- **Orange Zone** - Infra is fairly good, but dependent on direct Power supply - No UPS/Battery Backup. Number of computers is less to deal with high strength of students. In some schools Teachers and students participate actively.
- **Red Zone** – Poor infra, no power supply or UPS backup. In few schools computers have been stolen, building construction is bad or there is no Comp room and the systems are placed in HM's room. Other issues include comp lab used as storage, school attached with primary building, UPS and battery are not in working condition etc.

## Impact – Improved ICT Skilling



- Around 14800+ students of all seven districts covering 298 schools (28% of a total of 1025 schools under TALP) were assessed, beyond what was planned and this is the first such assessment on ICT in the entire state.
- Tools covered under the assessments (TuxMath, TuxPaint, GCompris, MyPaint, EduActiv8 ).
- **Excellent** – 83.64% of students (12387) able attempt and solve all the questions.(Score range 61-100)
- **Good** – 10.92% of students (1618) able to attempt all questions. (Score range 41-60)
- **Average** - 5.45% of students (805) able to attempt 50% of questions. (Score range 21-40)
- The Analysis report has been submitted to DELL and to the Addl. Commissioner of KKR

# Digital content usage and ICT in Classrooms

## ❖ Digital content:

- o 380+ chapters ( Math , Science and Social Science) were upgraded content.
- o Teachers using Digital content in Smart Class –( 3 to 6 classes in week for all 3 subjects – Math, Science & Social Science)-
- o 60% of teachers using the (Science, Social – 60% and Math- 40% content )

**Students are getting 2 periods in a week for ICT Classes**



## Behavioral Changes observed :

- Schools are allotted 2 periods per week for ICT sessions.
- 50% of teachers are using the subject based tools in classroom.
- Green schools are on self learning and exploring mode.

In 2022 - June to 2023 Feb  
# Tools Completed – 6

In 2023 – June to Nov  
# Tools completed – 8

## Completed Tools List

Ubuntu Interface  
Tux Math  
Tux Paint  
eduActiv8  
Gcompris  
My Paint  
Khangman  
Libre Office Writer  
Stellarium

## Open Issues

- With frequent power disruption, UPS stability is critical. Over 50% schools not having UPS or if available not in working condition. Dist. wise contact numbers have been provided. Still problem persists.
- Accessories such as keyboard, mouse, adapters require repair/replacement
- A couple of very interior villages facing power connection/supply problem
- Some schools have high strength (Above 500/600!) and with only 10 systems provided under TALP/KKRDB access to ICT is a challenge!
- No chairs available for students in the computer classes in a few schools
- No head phones available and with 2-3 students sharing the 10-20 systems there is lot of disturbances in the class
- Few schools Comp Lab is also used as storage or in HM's room or under repair.
- In a few schools all systems have been stolen!

# Plan for the Year 2024-25

- Planning to add Couple of districts in Karnataka .
- Teacher capacity building
- Infra assessment and fixing continues
- ICT tools assessment continues
- Providing head phone to schools in a phased approach
- Collaboration with CSR –partners.

# Media Coverage of the Gram Panchayat Librarians Trainings

# **Career Guidance Training for Gram Panchayat Librarians covered in the local Media/Press**

Sl.No.	District	No.of GPL
1	Ballari	92
2	Bidar	180
3	Kalaburagi	220
4	Koppal	134
5	Raichur	166
6	Vijayanagar	133
7	Yadagiri	120
	<b>Total</b>	<b>1045</b>



సేడం పట్టిద తాపం స్ఫూంగిదల్న గ్రామ పంచాయిత గ్రంథాలయ హగు మాటి కేంద్ర మేల్ బారకరిగే ఒందు దినద తరబేతి కాయాకారదల్న తా.పం. ఇ.చె. విజయకుమార మాతనాడిదరు.

## ಗ್ರಂಥ ಮಟ್ಟದಲ್ಲಿ ತರಬೇತಿ ಅವಶ್ಯಕ

ಪಟ್ಟಿರುವ ತಾ. ಪಂ. ಸಭಾಂಗಣದಲ್ಲಿ ತಾ. ಪಂ. ಕಾರ್ಯಾರ್ಥರು, ಇಂಡಿಯಾ ಲಿಟ್ಟಿಫಿ ಪ್ರಾ. ಜೆಕ್ಕಿ ಬೆಂಗಳೂರು ಅತ್ಯದ್ದೇಲ್ಗಾ, ಮಂಪಂಚಾಯತ ಗ್ರಂಥಾಲಯ ಹಾಗೂ ಮಾಹಿತಿ ಕೇಂದ್ರದ ಮೇಲ್ವಿಚು ಪೂರ್ಕರಿಗೆ ಒಂದು ನಿನದ ತರಬೇತಿ ಕಾರ್ಯಾರಾರವನ್ನು ಉಧಾಸಿಸಿದ ಅವರು ಮಾತನಾಡಿದರು. ಗ್ರಂಥಾಲಯದ ಯುವಕ, ಯುವತೆ ಮಾಹಿತಿಕೆಳೆಳುವ ಬಗ್ಗೆ ಮಾಹಿತಿ ಕೇರಳ ಇದೆ. ಅಂತಹವರ್ಗರ ಈ ತರಬೇತಿ ಸಹಾಯವಾಗಲಿದೆ ಎಂದು ಹೇಳಿದರು. ಇಂಡಿಯಾ ಲಿಟ್ಟಿಫಿ ಪ್ರಾ. ಜೆಕ್ಕಿ ನ ಸುಧಾಕರ ಪಾಟಿಲ ಮಾತನಾಡಿ, ಇಂಡಿನ ಎಸ್‌ಎಎಸ್‌ವಿಲಾಸಿ ವ್ಯಾಸಂಗ ಪ್ರಾರ್ಥಿಗೇಂಡಿಸಿದ ಮಕ್ಕಳಿಗೆ ಹಾಗೂ ಪಾಲರಿಗೆ ಮುಂದೆನು ಬನುವ ಪ್ರತಿ ಕಾಮತಿರುತ್ತದೆ. ಅಂತಹ ಮಕ್ಕಳಿಗೆ ಗ್ರಂಥ ಪಂಚಾಯತ ಗ್ರಂಥಾಲಯದಲ್ಲಿ ಮುಂದು ಮಸಕ ಹಾಗೂ ಮಾಹಿತಿ ಬ್ಯಾನರ್ ಇರುತ್ತದೆ. ಈ ಬಗ್ಗೆ ಗ್ರಂಥಾಲಯ ಮೇಲ್ವಿಚು ಪೂರ್ಕರಿಗೆ ತಿರಿಗಳಿಗಾಗಿದೆ. ಗ್ರಂಥಾಲಯ ಮಸಕ್ಕು ಇದರ ಉಪಯೋಗ ಪಡೆದುಕೊಳ್ಳಬೇಕು ಎಂದರು. ಶ್ರೀ ಹಿಂಡೇಶ್ವರ ಹಾಗಾಗಿ ಡಿ.ಎಂ. ವಿಕಾಸನ್ ಸೆಲ್ಲಾಲಕ್ಷ್ಮಿ ದಿವ್ಯಾಯ್ ನಾ ಮಿ ಮಾತನಾಡಿ, ಗ್ರಂಥ ಮಟ್ಟದಲ್ಲಿ ಶ್ರೀ ಜ. ವಾರಕರ್ಕೆಂಪ್ಪೆ ಪಾತ ಹೆಚ್ಚೆಲು ಹಾಗೌ ಯಾವಾಗಿ ಮುಖಿಂತರೆ ಎಲ್ಲ ಪ್ರವರ್ಶ ಒದಗಿಸಲಾಗಿದೆ ಎಂದರು. ತಾವಂ ಸಂಪನ್ಮೂಲ ಅಧಿಕಾರಿ ರವಿಕುಮಾರರ್ ರೆಡ್ಡಿ ವೆರಿಕೆಯಿಲ್ಲಿದರು. ತರಬೇತಿಯಲ್ಲಿ ಪಾಲ್ಯಂಗ ಎಲ್ಲ ಗ್ರಂಥ ಪಂಚಾಯತ ಮೇಲ್ವಿಚು ಪೂರ್ಕರಿಗೆ ಕೆಂಪ್ ವಿಶಿಷ್ಟಸಲಾಯಿತ್ತೆ. ರೂಪಾ ನಿರ್ದಿಷ್ಟ ವಂದಿಸಿದರು.

ಸಂಯುಕ್ತ ಕನಾಂಟರ್  
Wednesday, 06 June 2018  
ePaper.sam

