

Team Saksham **Brings**

SELO – Social Emotional Learning Output



Let's Walk Through Towards Our Idea



Why ?

What ?

How ?

Arriving at SEL

How ? 1

Deciding on the product

How ? 2

Pilot preparation

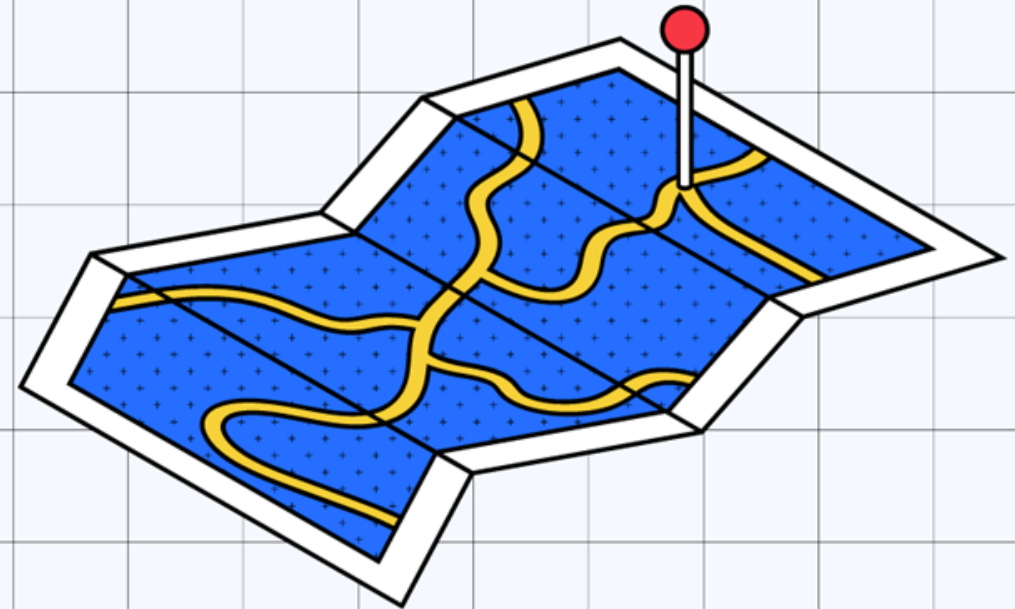
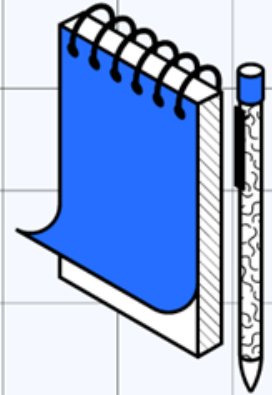
How ? 3



Shiksha mein Shehar

Mapping Socio-Emotional Levels

Can we imagine education at city level?

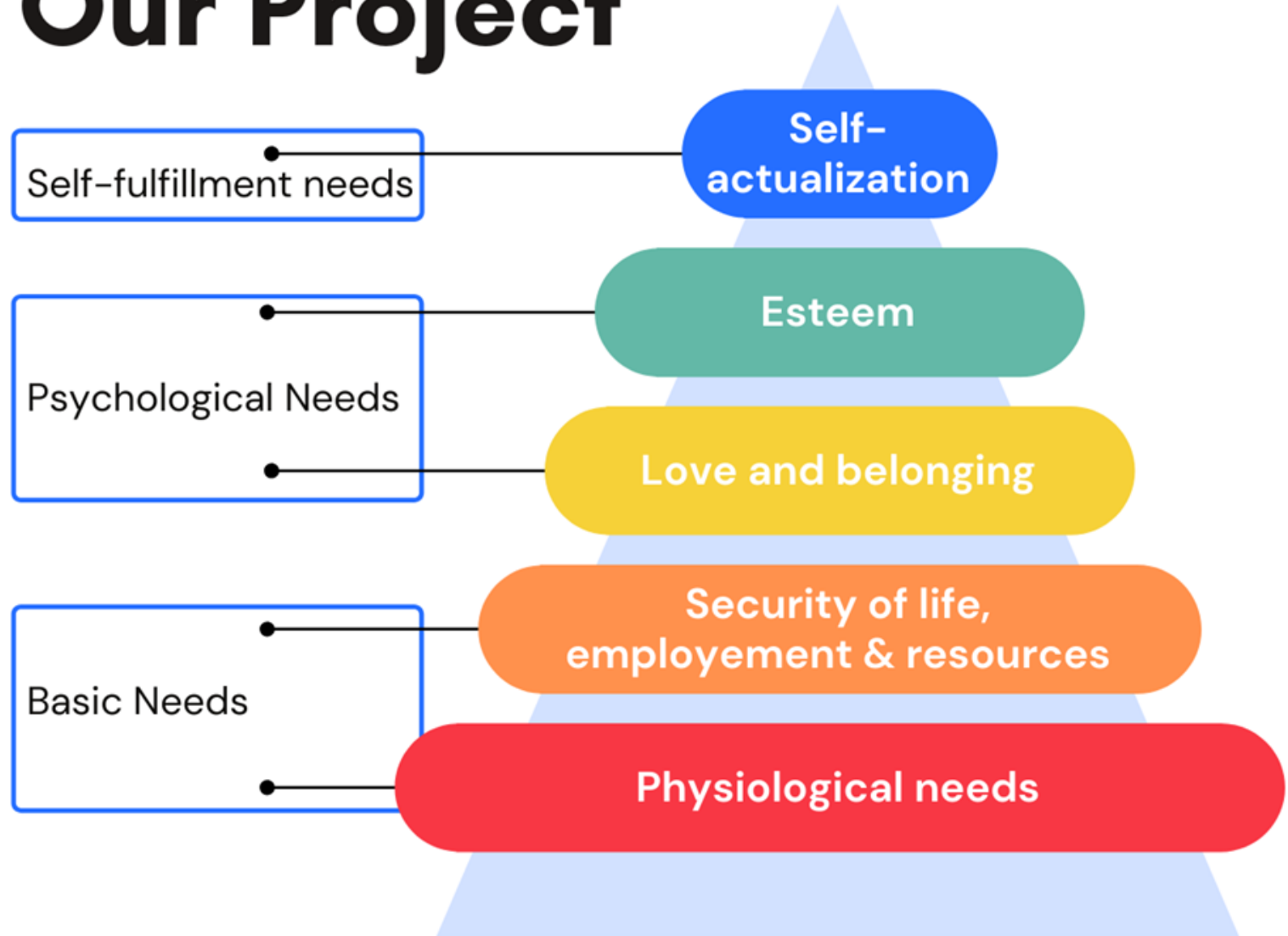


Philosophy of Our Project

25% weightage to physiological factors in Liveability Index.

Then, 'Social' pillar, which includes aspects such as safety and security (as per Maslow Pyramid of Needs)

Cities better in physical infra (Pune) are and must aim for building social infrastructure.



Maslow's Hierarchy of Needs

Priority of Cities

City Name	Project Name	Category	Sector	Impact
Pune	Consultancy Service - Sponsored by MoUD	Other ABD	Economic Development	Boost to local identity and economy
Pune	Public Bicycle Sharing	Other ABD	Environment Including Pollution	Reduced pollution
Pune	Baner Road works - Part A	Developme	Area Development	Improved walkability
Pune	DP road stretch - Part A	Developme	Area Development	Improved walkability
Pune	DP road stretch - Part B	Developme	Area Development	Improved walkability
Pune		Developme	Area Development	Improved walkability
Pune		Developme	Area Development	Access to open spaces
Pune		Developme	Area Development	Access to open spaces
Pune		Developme	Area Development	Access to open spaces
Pune		Developme	Urban Transport	Transportation and mobility
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		Other ABD	Social Sectors Health and Education	Improved living conditions for the urban poor
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		Developme	IT Connectivity and Digitalization	Boost to local identity and economy
		Developme	Area Development	Improved walkability
		Developme	Area Development	Transportation and mobility
		Developme	Area Development	Boost to local identity and economy
Pune	Sanitation	Developme	Sewerage and Septage	Improved sanitation condition
Pune	Waste water cleaning (new STP)	Developme	Sewerage and Septage	Improved sanitation condition
Pune	Place making and Open spaces - PH2	Developme	Area Development	Boost to local identity and economy
Pune	Place making and Open spaces	Developme	Area Development	Boost to local identity and economy
Pune	Device to device communication	Developme	IT Connectivity and Digitalization	Citizen friendly and cost-effective governance and publi
Pune	Smart Pole	Developme	IT Connectivity and Digitalization	Citizen friendly and cost-effective governance and publi
Pune	Water 24x7 - Smart Meters and pipeline Tender- II	Developme	Water Supply	Assured water supply
Pune	Water 24x7 III	Developme	Water Supply	Assured water supply
Pune	Smart Tourism (Heritage/Zoo/Environment)	Developme	IT Connectivity and Digitalization	Citizen friendly and cost-effective governance and publi
Pune	Smart Health	Developme	Social Sectors Health and Education	Improved health and education services

Low-income skill development and healthcare- Maternity hospital

Low-income skill development and healthcare- Digital learning school

Low-income skill development and healthcare- Smart schools

Other ABD Social Sectors Health and Education

Stepping Stones



Goal

A learning environment and culture that empowers teachers and students.

Issues Identified

Evaluation & Assessment criteria of school education not suited for 21st century needs.

Solution

Measurement of socio-emotional levels of school students and mapping it across the safety and security index of smart city.

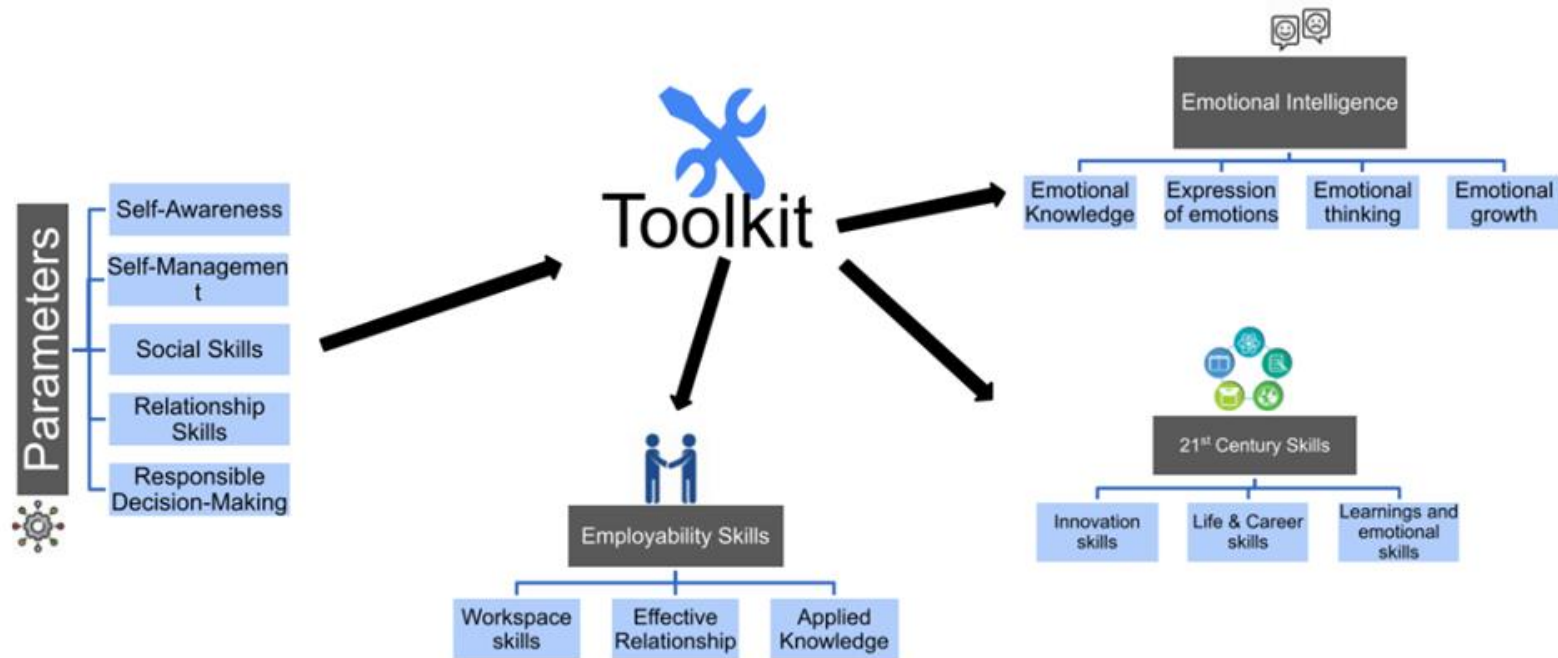
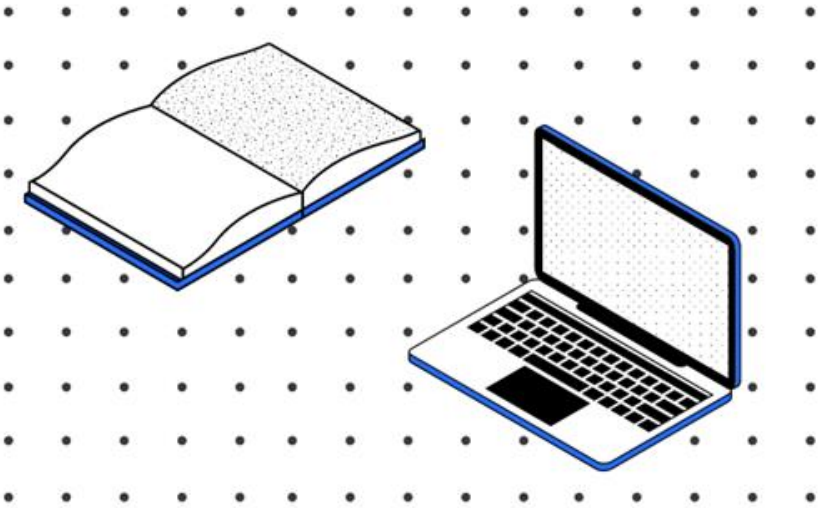
NEP
2020



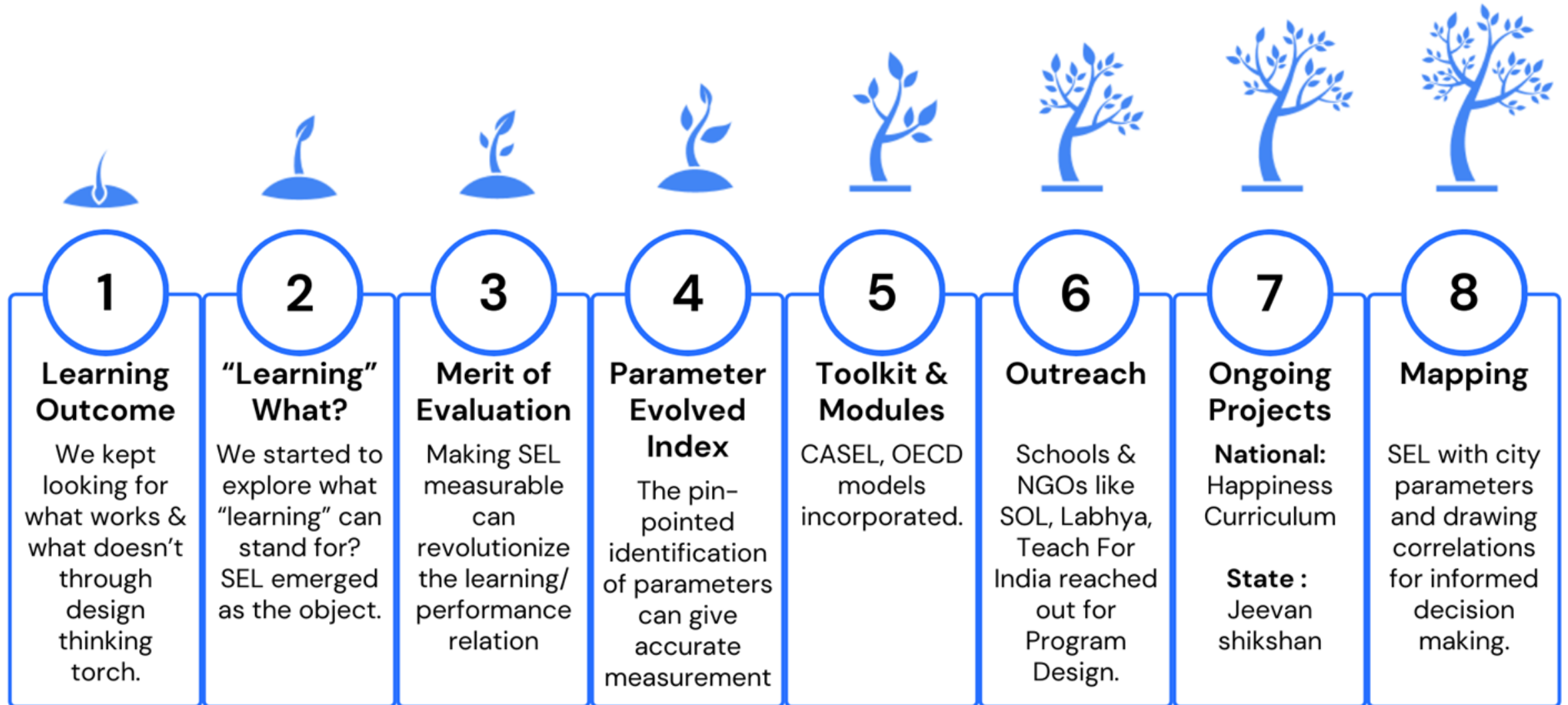
Explore SEL

a study by Harvard University relates to SEL parameters with 21st century skills

How ?



Process of Ideation



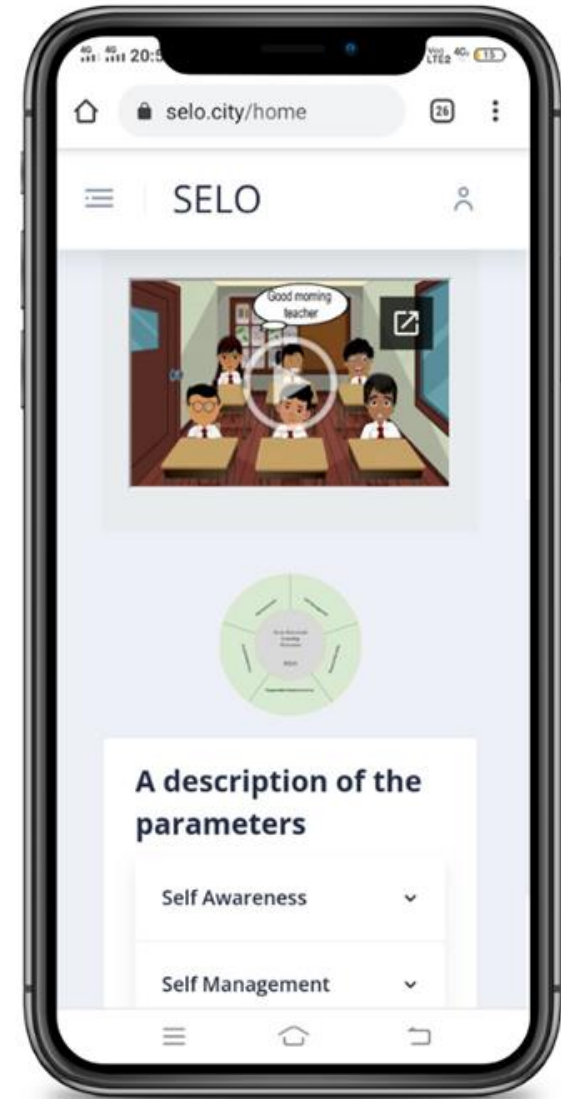
Sneak a peek into...

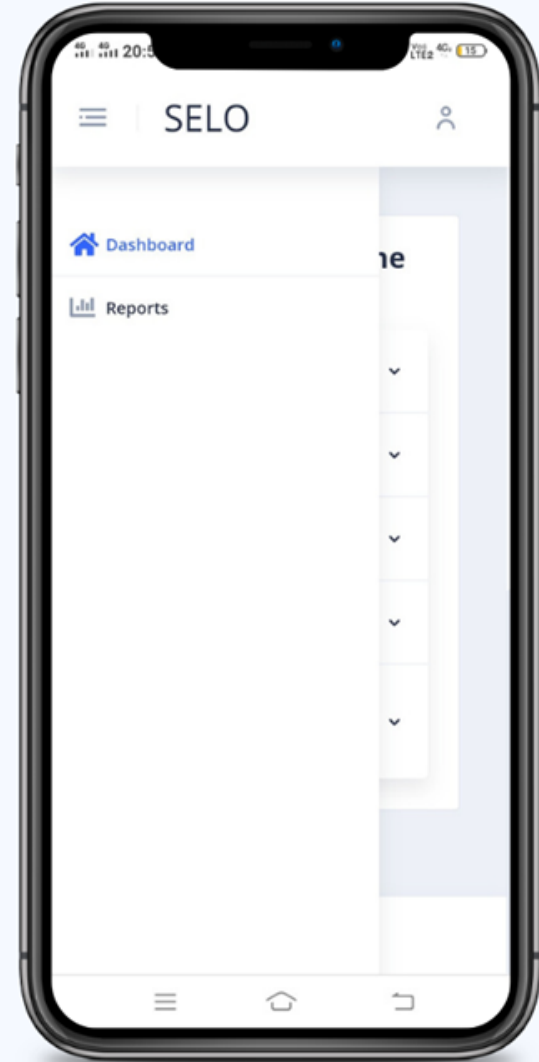
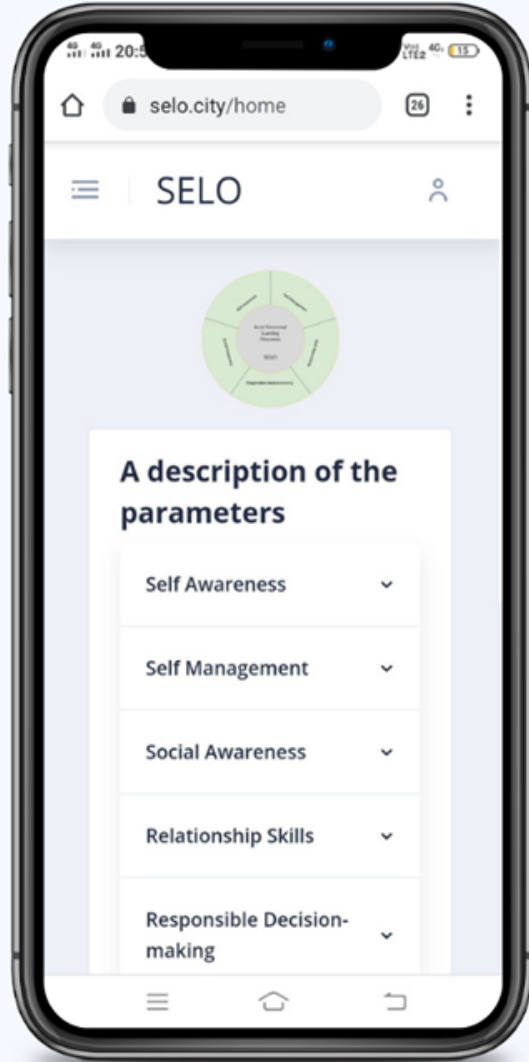
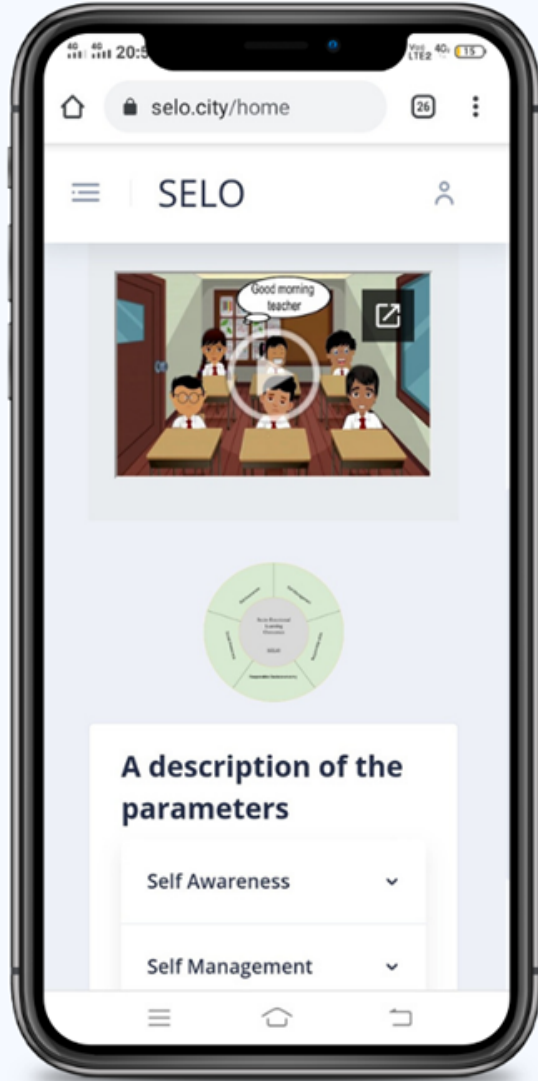
<https://selo.city/>



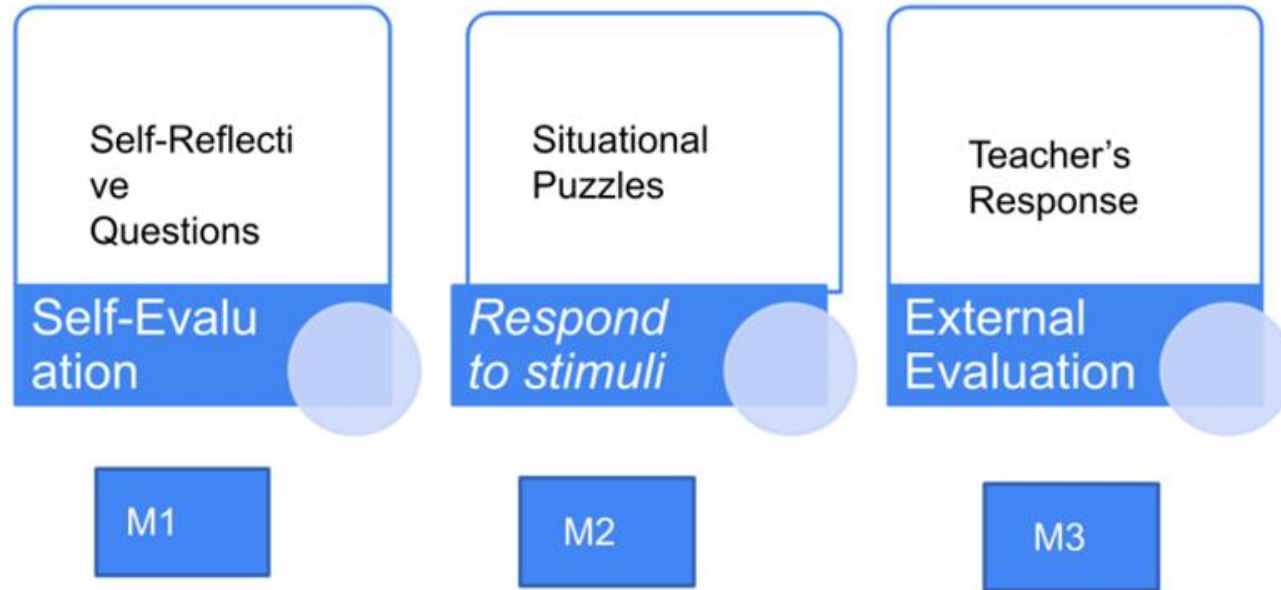
Architecture: An app called SELO

- **Static-Dynamic Data** requirement
- **SARAL IDs** for registration
- **Simple UI** given our target group
- Function on **low internet speed** and budgeted smart phones too.
- **2 min registration process** for all the stakeholders





Design of the Toolkit:

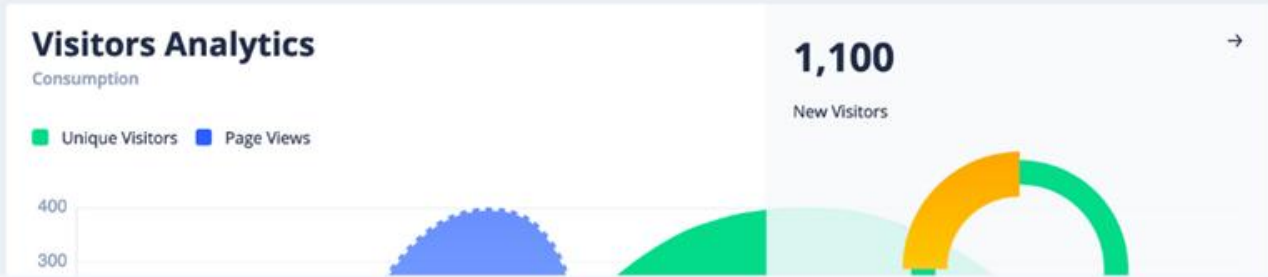


SELO Score: $M1 + 2M2 + M3$



Summary (New Registrations)

State	Registrations	% Change	Days
Delhi	88	▲ 50%	Sun - Mon
Maharashtra	74	▼ 28%	Mon - Tue
Karnataka	11	▼ 29%	Tue - Wed
Gujarat	22	▲ 58%	Wed - Thu
Andhra Pradesh	12	▲ 2%	Thu - Fri



User Activity

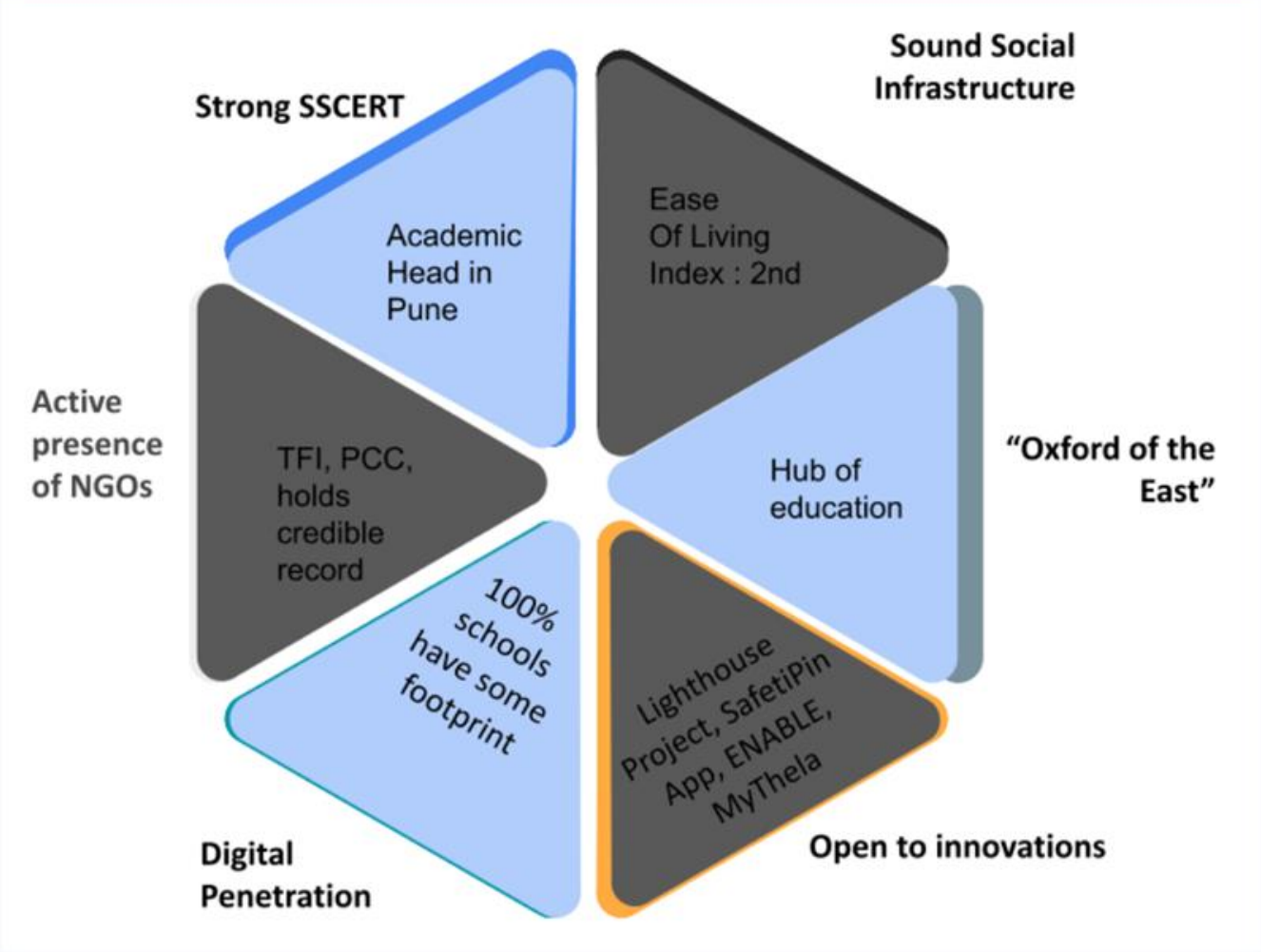
Date	Pages Visit	New visits, %
1 Mar	339	▼ 70%
2 Mar	480	▼ 59%
3 Mar	533	▼ 52%

Engagements & Liasoning



01	ADMINISTRATION PSCDCL	Dr Sanjay Kolte, CEO Mr. Annirudha Sahapare, CKO
02	TECHNICAL EXPERTS	IT Consultants, PSCDCL Tulip Interns, PSCDCL Developers/Design Vendors
03	EDUCATIONAL DEPARTMENT	Ms. Meenakshi Raut, AO Mr. Manik Sonwalkar, AEO Ms. Shivangi Chavan, AAO Sahyogi Dal & Ward Supervisors
04	SCHOOLS	Head Master VC Teachers: VC Students: Annual Day
05	NON- GOVERNMENTAL ORGANISATION	Pune City Connect Teach for India Leadership For Equity
06	SCERT	Jeevan Shikshan

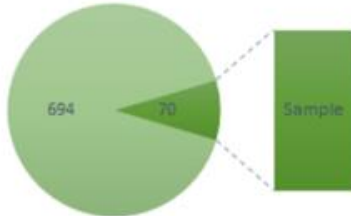
Pune Smart City



Sampling of Data

Random Sampling

Pilot Sample



Total Schools with Class VII- 746

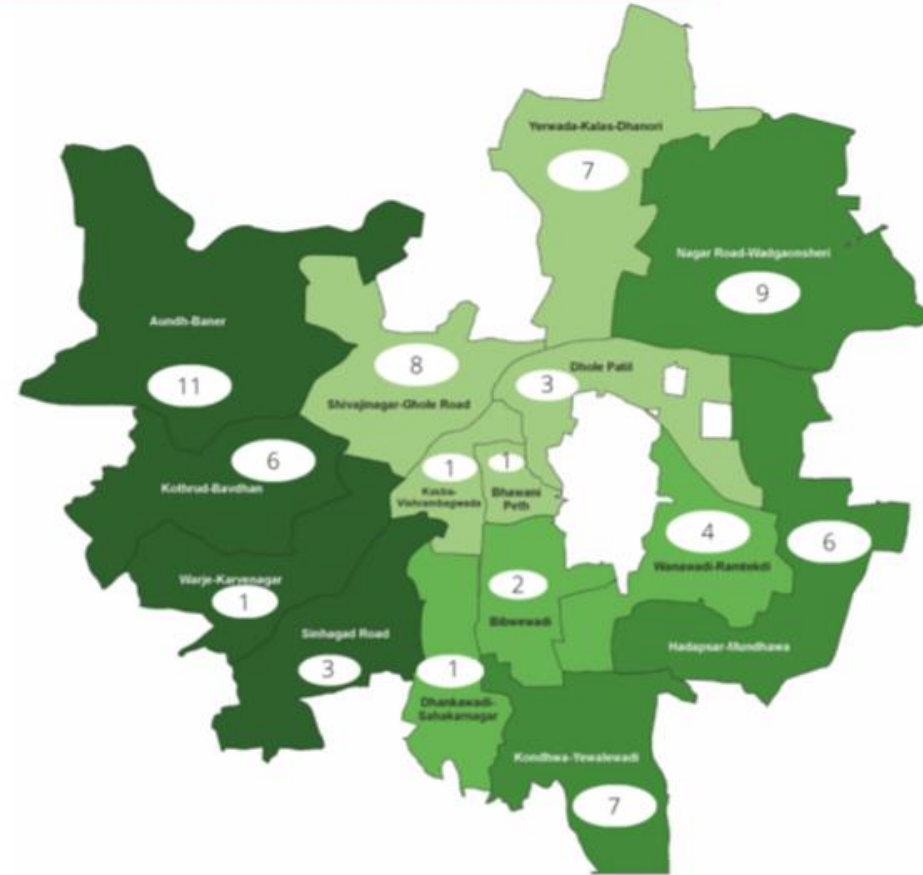
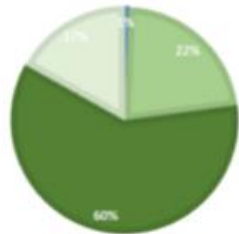
Schools with 10 or more students

Our Sample Size Approx 10% of the schools with 10 or more students

Cluster Random Sampling Representative Sample

MEDIUM REPRESENTATION

■ KANNADA MEDIUM ■ URDU MEDIUM ■ MARATHI MEDIUM ■ ENGLISH MEDIUM



Ward wise total sampled schools



Number of schools in increasing order

Challenges



Tooo Sarkari

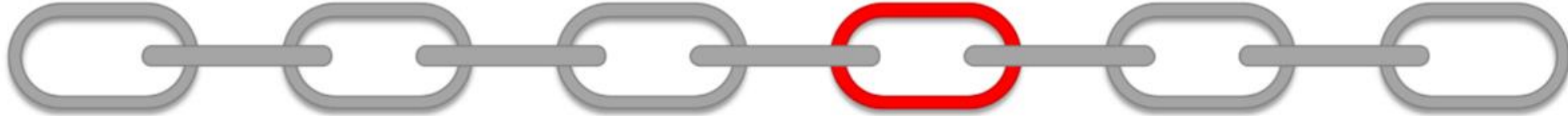
- Inter-departmental coordinations
- Delay in letters from education department effected field visits

"Budget Nahi hai"-Product Development

- Delay in onboarding of developer
- Lack of dedicated Technical developer

Outreach

- Language barrier



Data!!!! aise kaise

- Static data collection time taking process

Our lockdown continues

- Closure of schools due to covid situation

What we promised & where we stand ?

Promised:

Deconstructed SEL

Framework to measure SEL

Design of toolkit

SELO App

Pilot :Dynamic Data

Correlations with City Parameters

Socio-Emotional Learning Index

Achieved:

5 parameters

CASEL & OECD adapted frameworks

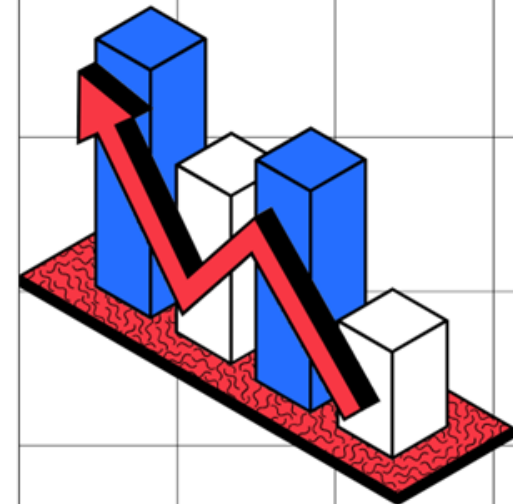
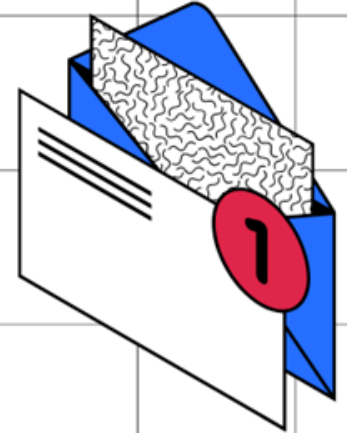
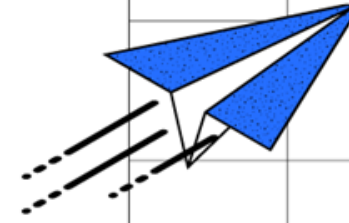
Approved by experts, RRAs & Sahyogi Dal

60 percent web like app ready

Yet to be done

Yet to be done

Yet to be done



What all remains?

Extention:

See the Taj Mahal
(our product)
reach the students

SELO website to
SELO app(to cater
to the scale it
operates on)

Analysis

Dynamic data
gathering

Double side
correlation with
Safety & Security

What all remains?

Learnings:

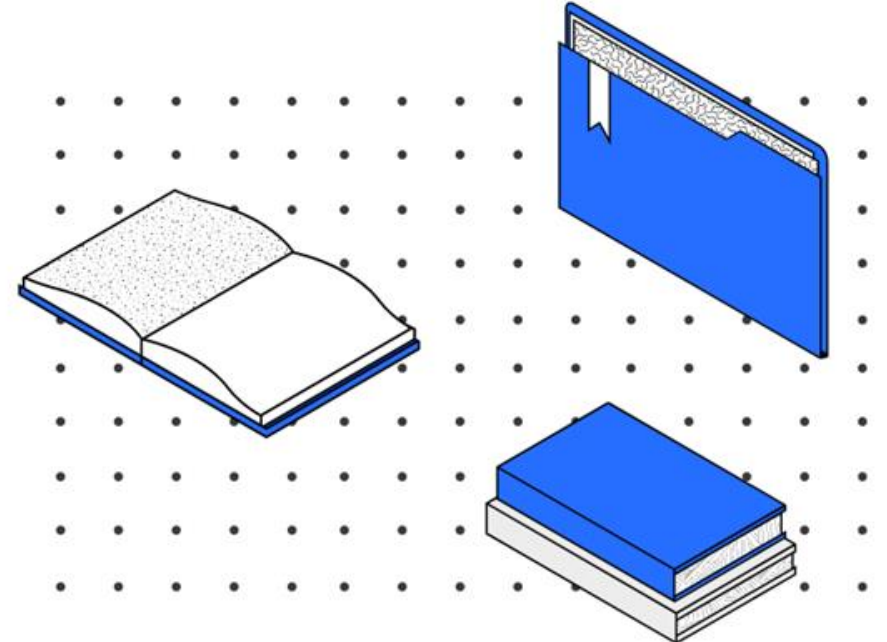
SELO : "Road less traversed"

Objective assessment of SEL is possible and much needed.

Longer gestation period of data collection.

Working (as fellows) with-in-side of govt is extremely peculiar

Innovation is respected and navigation/by-passing is the key!





Scalability & Replicability



Scalability

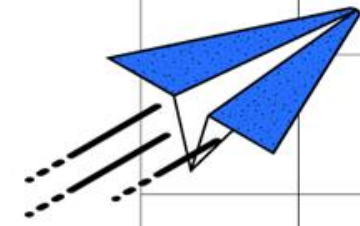
- Almost every state has SEL related curriculum in place.
- Tool Design : highest standards followed
- MIS



Replicability

- Might look contextual on face value. (MAY CHANGE LANGUAGE)
- Global practice
- Evaluation parameters objective.
- MIS can be followed to contextualize.

Roadmap





THANK YOU

“Designs are many, solutions are few”



Zara Hasnain



Anupama Bhardwaj



Abhisikha Das

Internal Mentor: Prof. Debolina Kandou, NIUA

External Mentor: Shivaji Payne, Barefoot College