GIS BASED Key Performance Indicator DASHBOARD

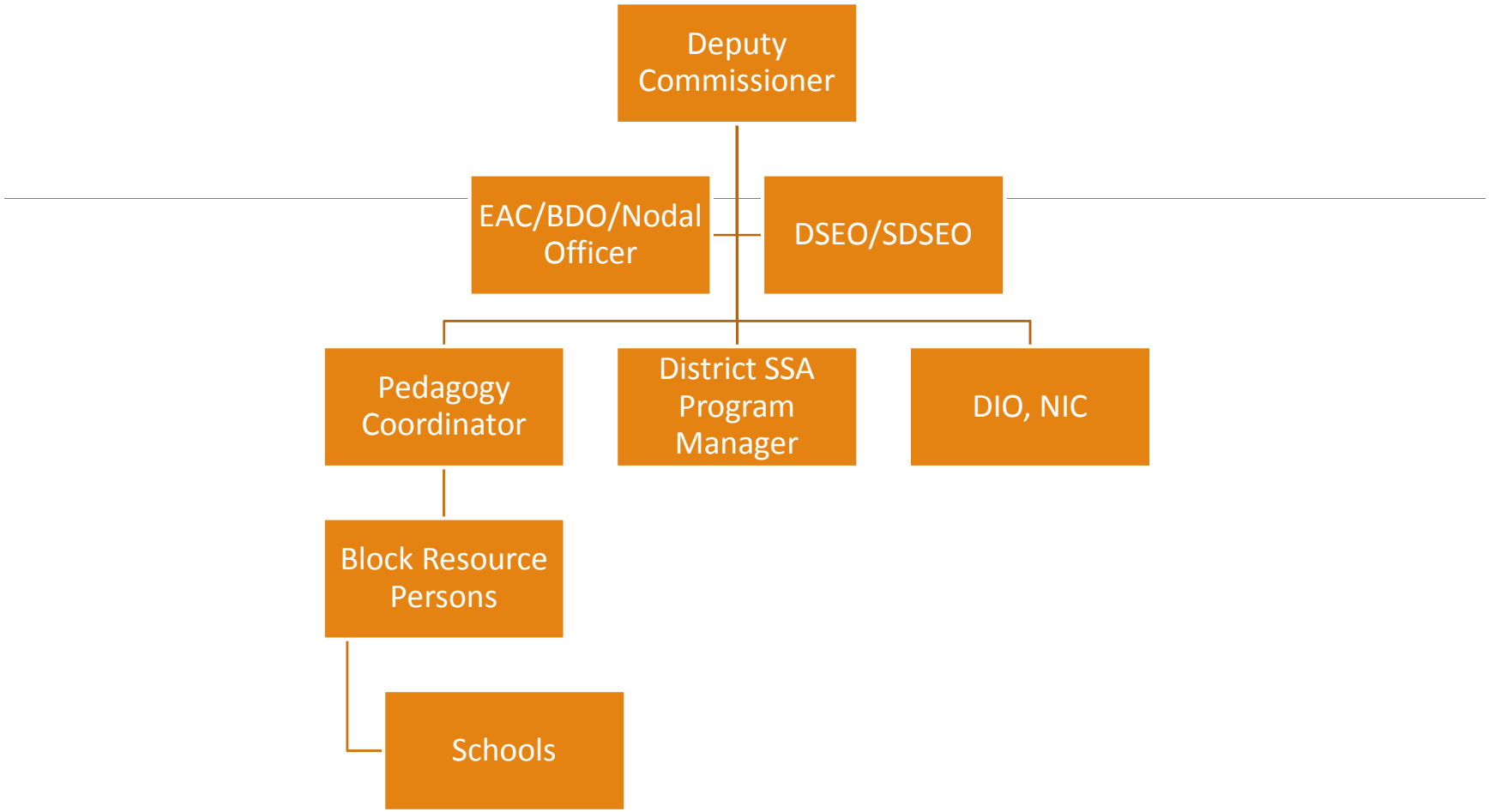
SOUTH WEST GARO HILLS DISTRICT

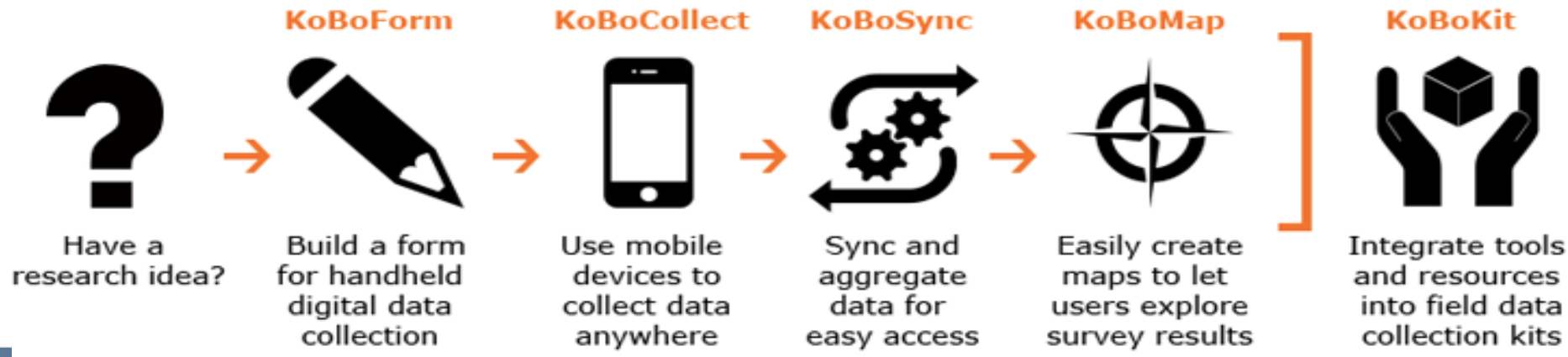
The Need

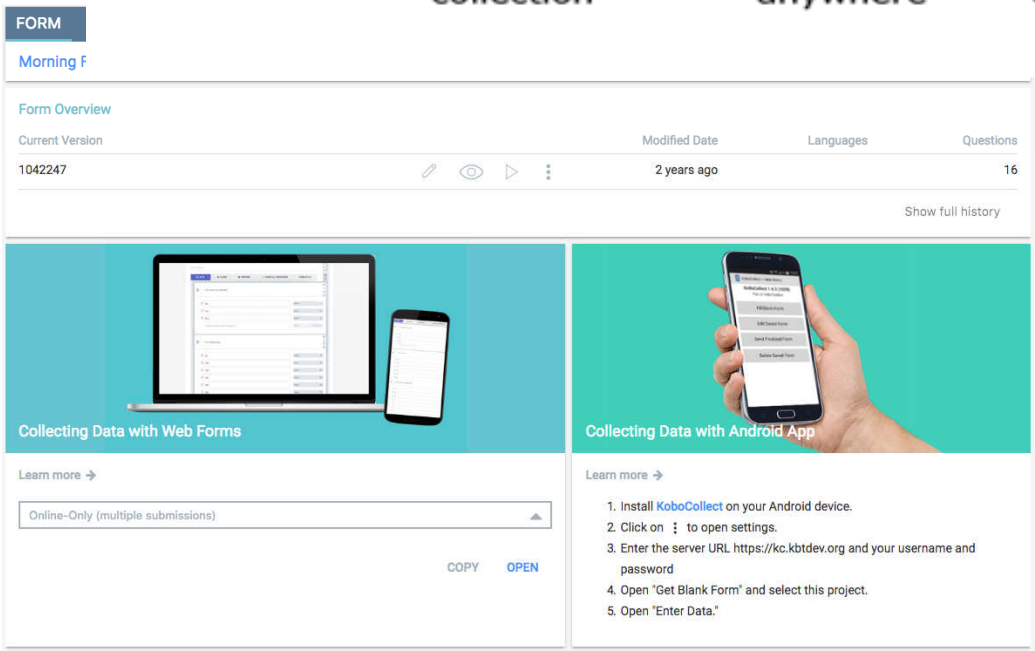
1. To Measure and understand the Various Key Performance Indicators of the District with respect to Education.
2. Too Many important schools without proper monitoring and lack of concurrent evaluation.
3. Increased number of teachers, schools and field staff but less at Supervisory level is making it difficult to monitor the ground work.

The solution

1. A GIS Based Dashboard measuring various Key Performance Indicators in the District.
2. Smart Phone based application for easy usage.
3. District Team for training and supervising various field staff.
4. CDFI – Institutional Partner.
5. It is being already implemented at South-West Garo Hills, Ampati.


Deputy Commissioner
EAC/BDO/Nodal Officer
DSEO/SDSEO
Pedagogy Coordinator
District SSA Program Manager
DIO, NIC
Block Resource Persons
Schools





WORK FLOW PROCESS

What are the Measureables?

The block Resource Persons under SSA are used to measure the following

1. Normalcy of School functioning

2. School infrastructure

3. Teacher availability

4. Quality of Students and Teaching

5. Mid-Day meal

6. Dropout Status in each school

Who does it? Who monitors it?

The Block Resource Persons are

A) Given a mobile application to collect data

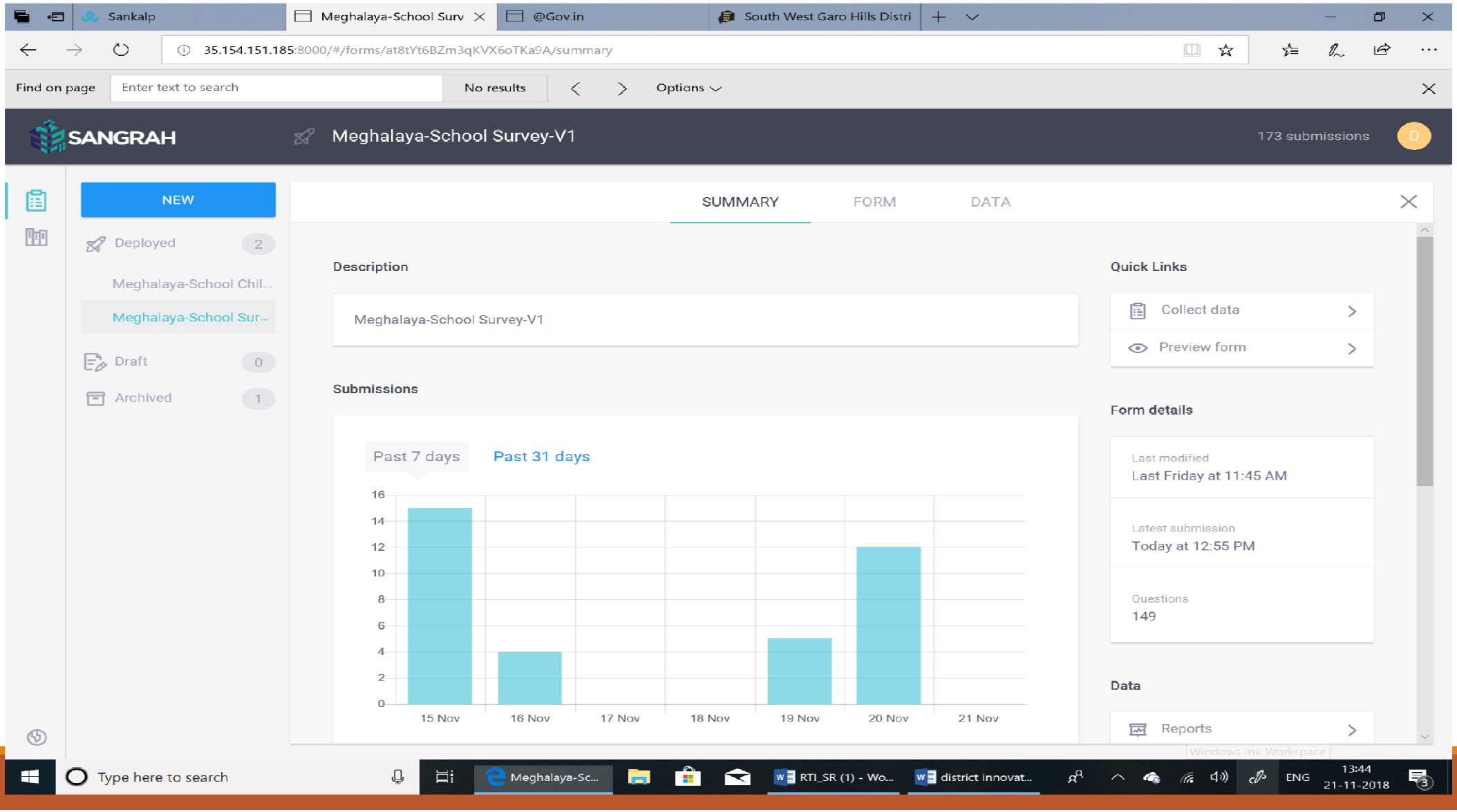
B) Divided with the schools they are in charge of to monitor on a regular basis.

C) A District Data Manager does the training and installation process.

D) Every day monitoring is done by Deputy Commissioner and Pedagogy coordinator using the dashboard.

E) A monthly review meeting is held to check the issues and solve if any is possible.

F) Ampati is using the application to improve the SSLC pass percentage of the District from a dismal 26%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SANGRAH
Meghalaya-School Survey-V1
173 submissions
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NEW
Deployed 2
Meghalaya-School Chil...
Meghalaya-School Sur...
Draft 0
Archived 1
SUMMARY
FORM
DATA
Description
Meghalaya-School Survey-V1
Submissions
Past 7 days
Past 31 days
16
14
12
10
8
6
4
2
0
15 Nov
16 Nov
17 Nov
18 Nov
19 Nov
20 Nov
21 Nov
Quick Links
Collect data
Preview form
Form details
Last modified
Last Friday at 11:45 AM
Latest submission
Today at 12:55 PM
Questions
149
Data
Reports
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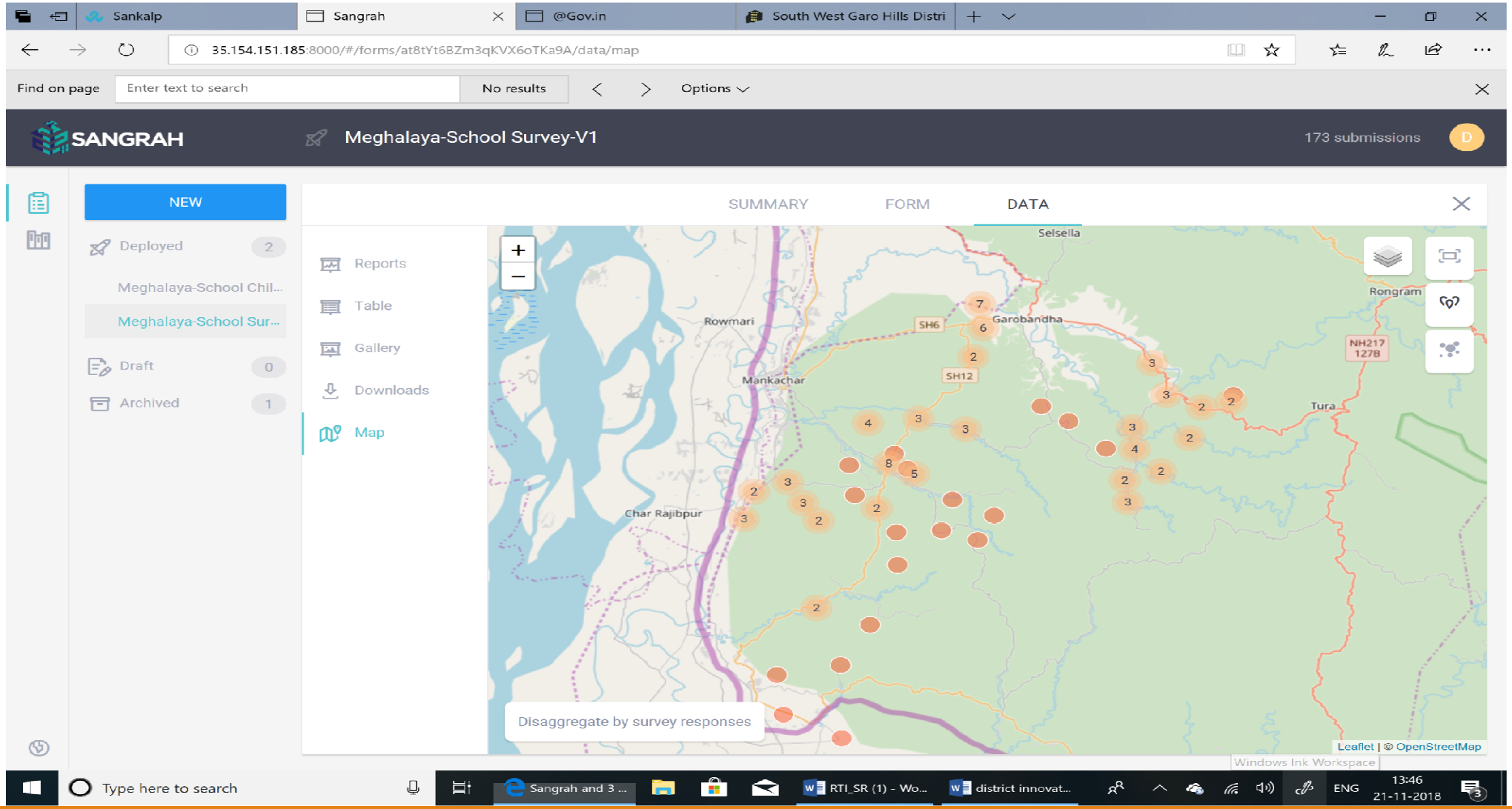
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Rongram
Rowmari
Garobandha
Mankachar
Tura
Char Rajibpur
SH6
SH12
NH217
127B
Disaggregate by survey responses
Leaflet | © OpenStreetMap
Windows Ink Workspace
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SANGRAH | Meghalaya-School Survey-V1 | 173 submissions

◉	Block	Betazing
◉	Block Resource Person	Shri. Tansen Ch. Momin
◉	Cluster Resource Centre	RANGSAKONA CRC
◉	School Name	GOLMANGGRE UPS
◉	Is the school open?	Yes
abc	UDISE Code for the school	17110119902
🖼	Complete School Picture	

School Information

Disaggregate by survey responses

Rongram

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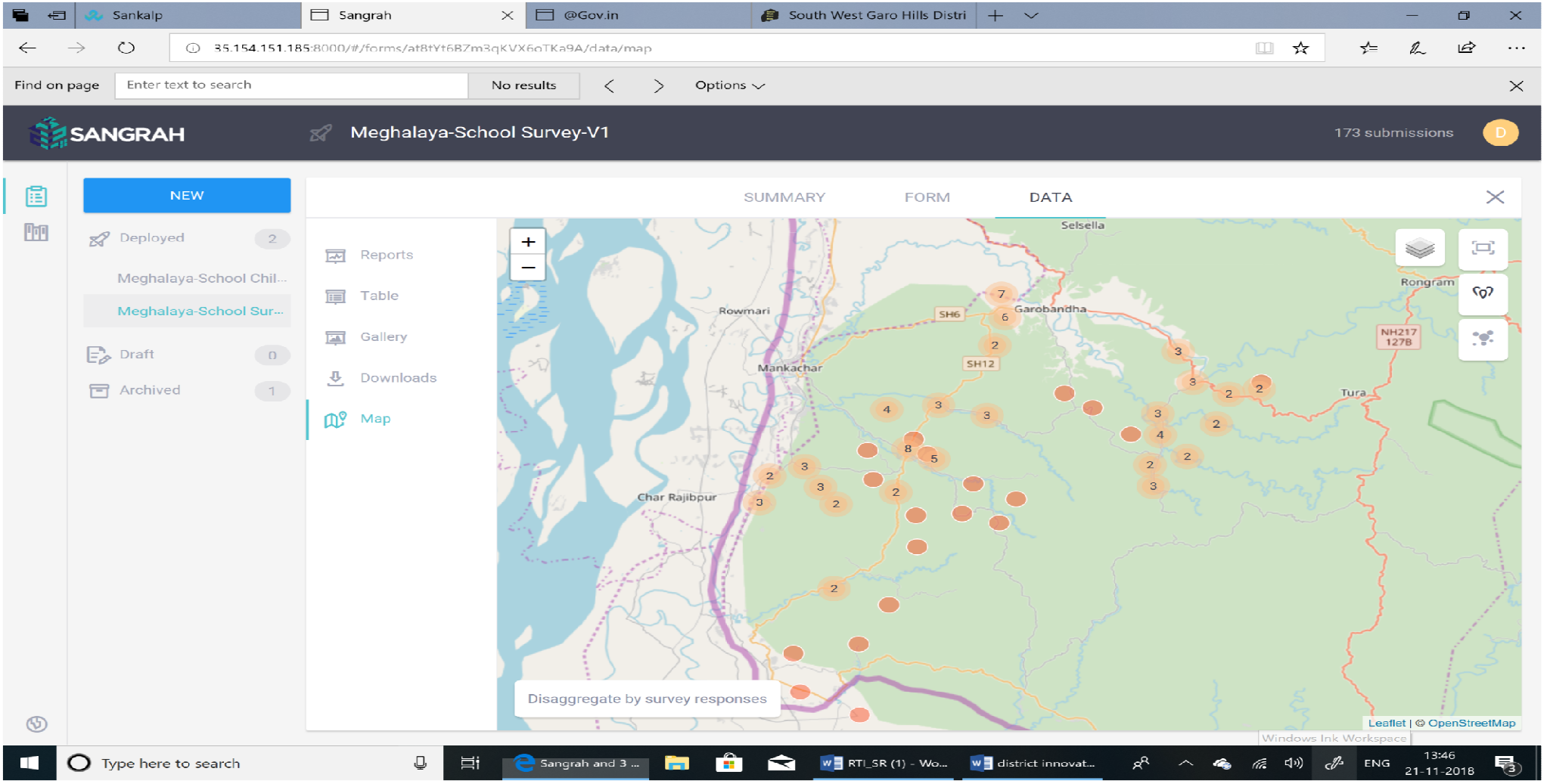
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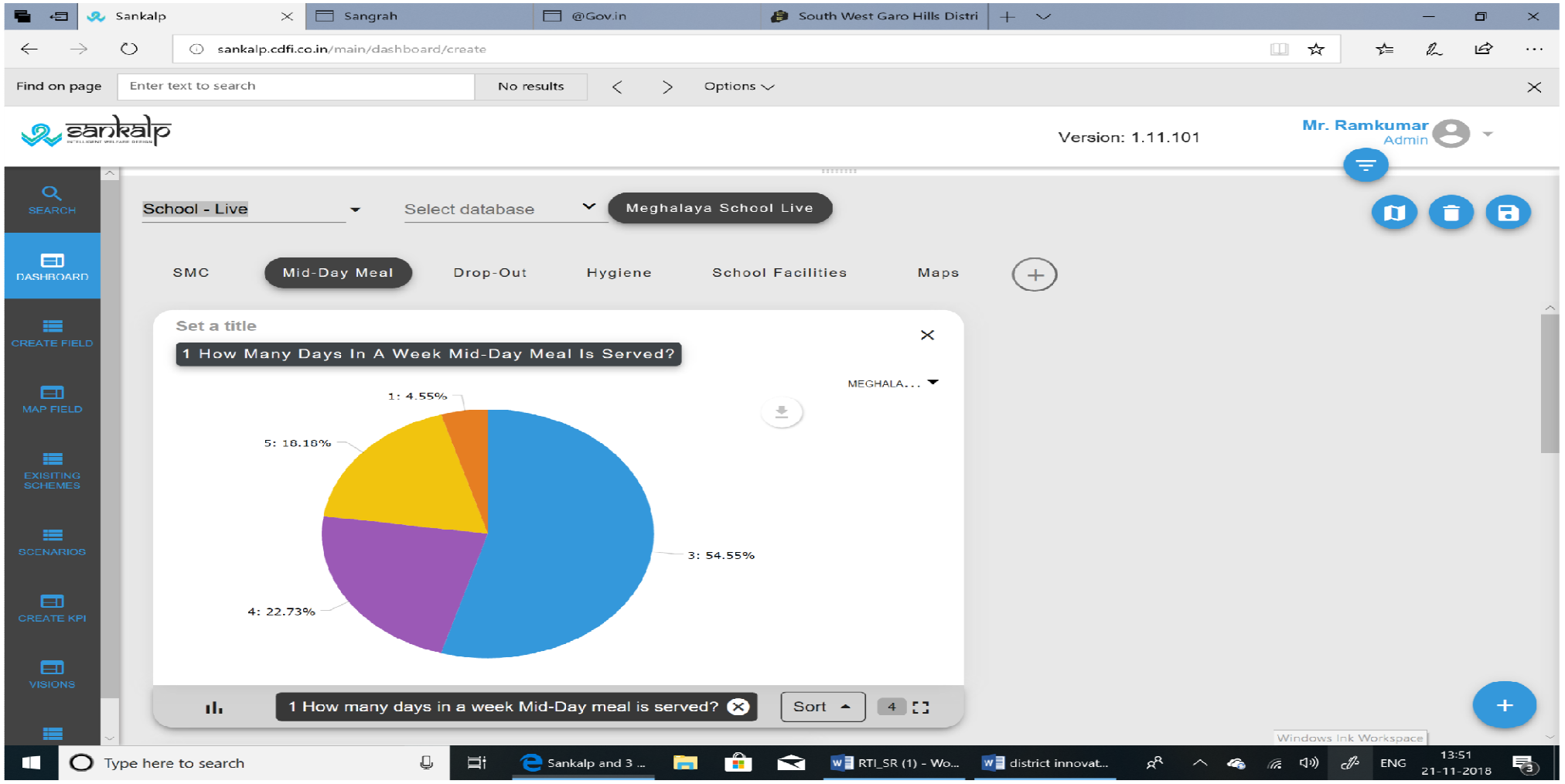
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Options
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Version: 1.11.101
Mr. Ramkumar
Admin
SEARCH
DASHBOARD
CREATE FIELD
MAP FIELD
EXISITING SCHEMES
SCENARIOS
CREATE KPI
VISIONS
School - Live
Select database
Meghalaya School Live
SMC
Mid-Day Meal
Drop-Out
Hygiene
School Facilities
Maps
Set a title
1 How Many Days In A Week Mid-Day Meal Is Served?
MEGHALA...
1: 4.55%
5: 18.18%
3: 54.55%
4: 22.73%
1 How many days in a week Mid-Day meal is served?
Sort
4
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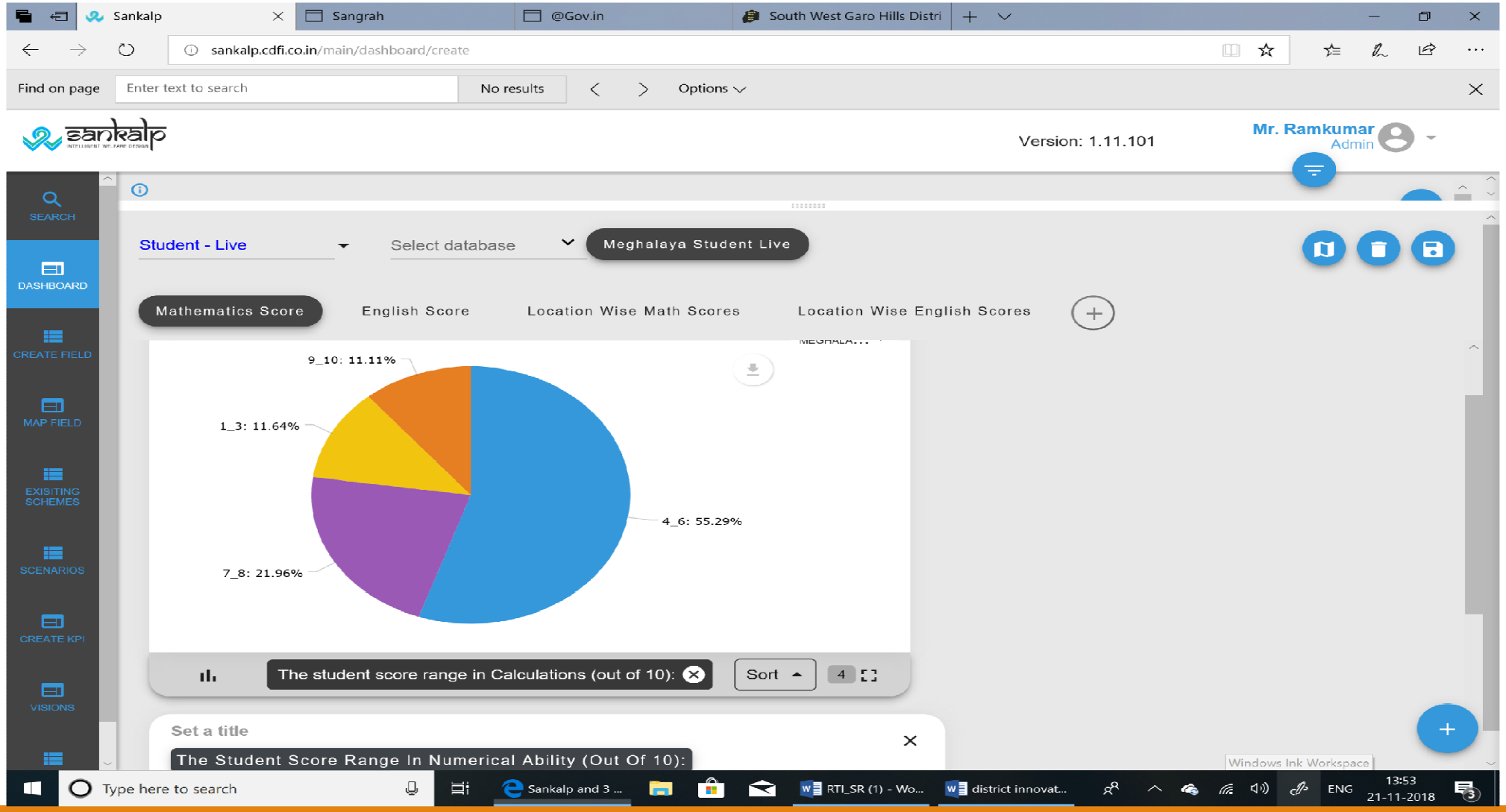
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Version: 1.11.101
Mr. Ramkumar
Admin
SEARCH
DASHBOARD
CREATE FIELD
MAP FIELD
EXISITING SCHEMES
SCENARIOS
CREATE KPI
VISIONS
Student - Live
Select database
Meghalaya Student Live
Mathematics Score
English Score
Location Wise Math Scores
Location Wise English Scores
9_10: 11.11%
1_3: 11.64%
4_6: 55.29%
7_8: 21.96%
The student score range in Calculations (out of 10):
Sort
4
Set a title
The Student Score Range In Numerical Ability (Out Of 10):
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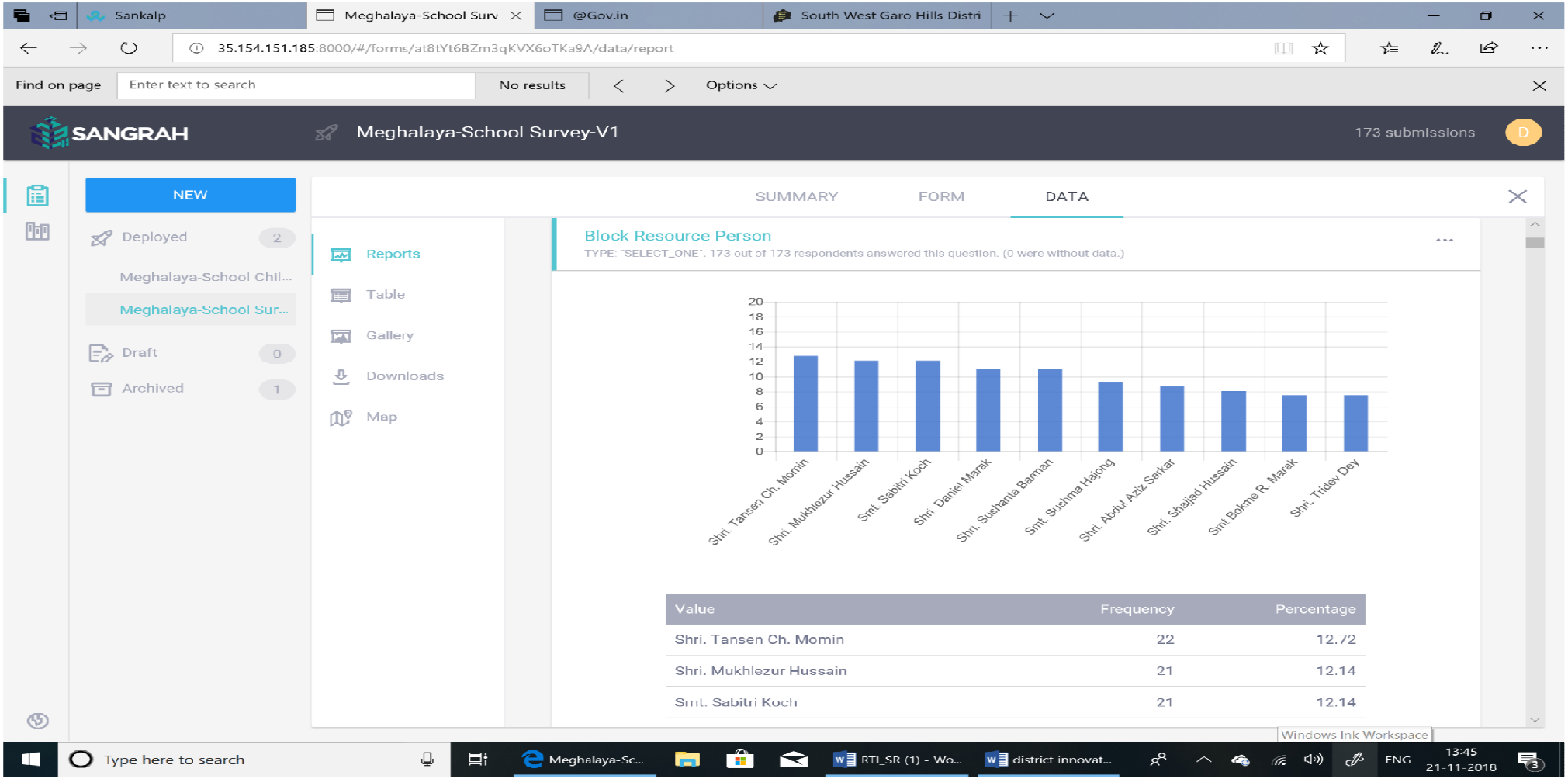
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173 submissions
NEW
Deployed 2
Meghalaya-School Chil...
Meghalaya-School Sur...
Draft 0
Archived 1
SUMMARY
FORM
DATA
Reports
Table
Gallery
Downloads
Map
Block Resource Person
TYPE: "SELECT_ONE". 173 out of 173 respondents answered this question. (0 were without data.)
20
18
16
14
12
10
8
6
4
2
0
Shri. Tansen Ch. Momin
Shri. Mukhlezur Hussain
Smt. Sabitri Koch
Shri. Daniel Marak
Shri. Sushanta Barman
Smt. Sushma Hajong
Shri. Abdul Aziz Sarkar
Shri. Shaijad Hussain
Smt Bokme R. Marak
Shri. Tridev Dey
Value
Frequency
Percentage
Shri. Tansen Ch. Momin 22 12.72
Shri. Mukhlezur Hussain 21 12.14
Smt. Sabitri Koch 21 12.14
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Uniqueness of the Initiative

1. Involvement of All key functionaries
2. Data collection from Reliable and Govt. Functionaries.
3. District Nodal Officer (EAC level) to monitor on a daily basis.
4. GIS and GPS based which gives a spatial sense of performance in the District.
5. Offline and Online data collection.
6. Open Source Application.
7. Photo-enabled Data collection for easy visualisation.
8. Easily Scalable to entire state.