

These are major tasks involved in my project

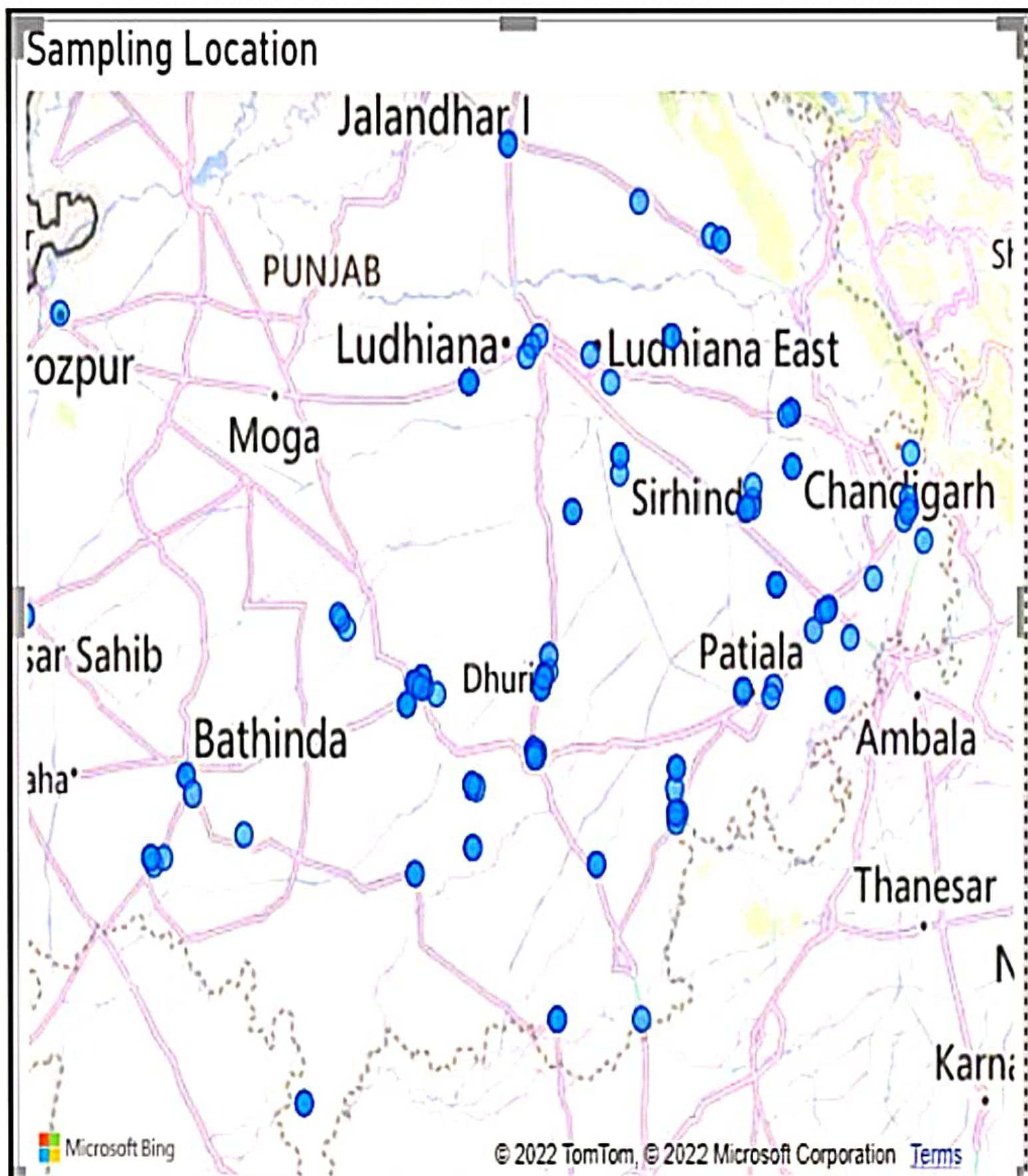
A) Sorting of Water Quality data

The data is available in Excel format represented with respect to collection sampling points. First the Null data are removed and the points which have not all quality parameters mentioned are being removed. Then the data for around a year is selected and it is being arranged in month wise fashion.

Table 1: Sorting of Water Quality data

	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O
1	Town Nam	Sampling L	pH[6.5-8.5]	Turbidity[5]	TDS[2000]	Total Alkal	Total Hard	Calcium[20]	Magnesium	Chloride[10]	Fluoride[1]	Nitrate[45]	Sulphate[45]	Record	Ent month
2	Ghanaur	Unnamed	8.28	0.83	690	188	52	3	4	171	0.8	0	141	01/01/202	1
3	Rajpura	, Kharajpu	7.12	3.07	200	72	136	29	7	6	0.19	3	42	04/01/202	1
4	Sangrur	Unnamed	7.95	0.22	450	324	256	30	34	20	0.58	41	35	05/01/202	1
5	Mullanpur	Unnamed	7.49	0.97	450	356	328	57	39	28	0.69	21	17	06/01/202	1
6	Ludhiana	416 SBS Ro	7.57	0.43	420	314	294	65	33	18	0.57	41	23	06/01/202	1
7	Sirhind	, Nawl Bas	7.56	0.87	370	316	234	20	27	10	0.56	2	26	06/01/202	1
8	Samana	Unnamed	7.59	0.86	490	224	312	78	32	50	0.66	66	39	07/01/202	1
9	Morinda	, Prem Naj	7.88	1.05	620	448	288	37	34	44	0.82	28	31	07/01/202	1
10	Khanauri	Phirni Roa	8.07	0.1	550	280	332	52	41	78	0.46	16	95	10/01/202	1
11	Mullanpur	4/52 State	7.52	0.35	560	402	384	40	49	54	0.48	39	18	11/01/202	1
12	Payal	Payal Roac	7.65	1.68	400	316	304	47	32	10	0.32	13	6	12/01/202	1
13	Machhwa	Unnamed	7.71	0.91	360	172	256	60	40	10	0.54	41	44	12/01/202	1
14	Bhaddaur	Market Ma	7.43	0.66	840	398	336	33	52	89	0.51	33	191	13/01/202	1
15	Barnala	Pakka Coll	7.51	0.8	910	396	288	27	41	119	0.56	29	229	13/01/202	1
16	Payal	Street Nur	7.61	0.54	360	312	252	36	32	2	0.32	0	3	13/01/202	1
17	Ghanaur	,, Ghanaur	7.8	0.19	530	236	36	8	0	93	0.66	1	114	13/01/202	1
18	Banur	,, Banur, F	7.52	0.2	360	240	172	21	14	21	0.36	9	40	13/01/202	1
19	Sirhind	Unnamed	7.63	0.82	390	304	240	33	28	8	0.59	2	29	14/01/202	1
20	Dirba	3 NH 71,, l	8.19	1.55	1110	456	284	20	39	156	0.83	15	196	17/01/202	1
21	Bhikhi	,, Bhikhi, f	7.19	1.69	210	74	134	31	7	9	0.15	2	58	18/01/202	1
22	Sardulgarh	,, Sardulgi	7.41	3.29	380	192	226	27	23	49	0.53	5	29	20/01/202	1
23	Samana	#222 Motli	7.59	0.1	570	288	284	43	28	61	0.56	53	62	21/01/202	1
24	Kot fatta	, Kot Fatte	8.11	0.75	1350	156	348	101	45	244	0.73	5	612	24/01/202	1
25	Sangot	,, Sangot,	7.55	1.72	230	102	168	35	7	10	0.19	4	43	24/01/202	1
26	Dhuri	, Subash N	7.89	0.4	480	358	268	23	28	20	0.44	19	52	25/01/202	1
27	Handiaya	,, Handiay	7.42	0.27	1160	606	300	22	42	89	1.13	28	268	31/01/202	1
28	Rajpura	, Chaju Mz	8.15	1.81	1380	348	492	86	52	157	0.93	75	611	01/02/202	2
29	Barnala	,, Barnala,	7.98	0.58	990	420	284	27	43	107	0.68	28	209	02/02/202	2
30	Mullanpur	, Model Tc	7.79	0.2	580	400	378	52	45	50	0.5	66	22	03/02/202	2

B) Mapping of Sample Locations

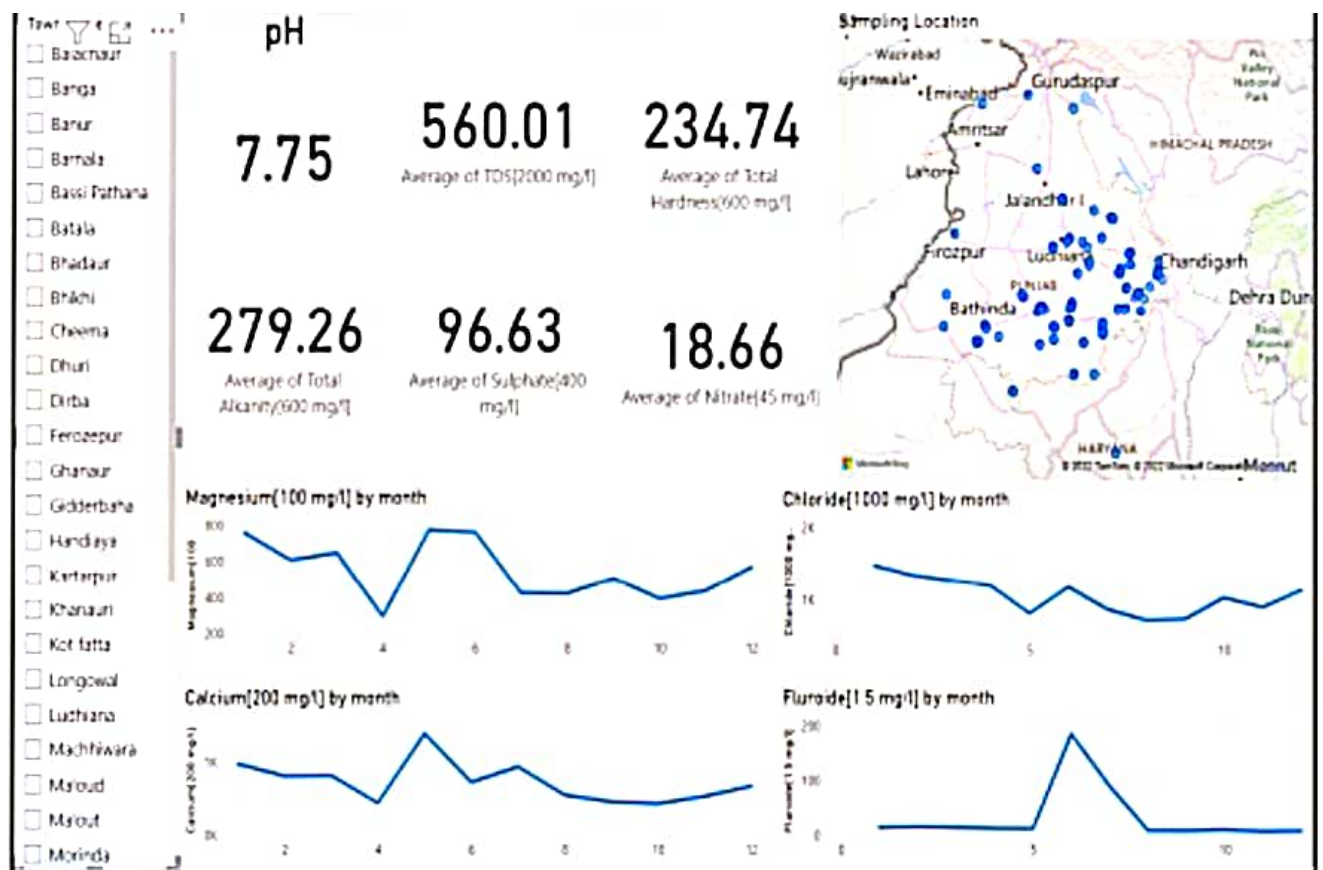


power BI excel file data can be imported.

Creating Dashboard using Power BI

Map option is being selected and the imported data is being plotted on map according to Pincode provided in data. If any of the location is selected all the data get refreshed on dashboard for that location.





3) For creating a map chart is used and sampling location is added as a field and based on the number of samples taken at that location, the intensity of the dot colour varies.

Line charts are used for creating graphical representations of different water properties. In the line chart for the x-axis, we choose the data for months and on the y-axis, we choose different water properties.

We also use a slicer in our dashboard that gives us the freedom to switch different town data with just one click.

For presenting some important properties like pH, TDS we use cards.