

# NISHTHA Assessment

Sampling Methodology

# Background Datasets

- **Course wise**, **N1**, **N2**, **N3 wise**, **district wise** & **medium of instruction wise** count of participants, from SCERT
  - Enrolled,
  - Completed (but not certified – either because they haven't given assessment or have not been able to secure 70%) &
  - Certified
- UDISE - district wise no. of schools- DoE & Local body schools
  - Mapped this to TS context
    - GPS & MPPS
    - GUPS & MPUPS
    - GHS & ZPHS
    - TS Model Schools/KGBV
- Mapped relevant catchment pools for each phase of NISHTHA viz.
  - **N1**: GPS, MPPS, GUPS, MPUPS, GHS, ZPHS, TSMS/KGBV
  - **N2**: GUPS, MPUPS, GHS, ZPHS, TSMS/KGBV
  - **N3**: GPS, MPPS, GUPS, MPUPS

# Participant Pool Selection

- N1 happened in f2f mode
  - No separate data on actual participation; hence, 'Target' deemed to be actual participation
  - No break-up of English, Telugu and Urdu - hence, all deemed English
- For N2 and N3:
  - N2 happened online; in N3, 10 courses completed; 2 about to begin (online)
  - Among 'enrolled', 'completed' and 'certified' pools:
    - 'Completed' pool being considered for survey
    - Other things being common, this helps us understand why they couldn't get certified.
  - Participants data available only 'course' wise viz.
    - For ex: N2 has 12 courses - participant data available only for each of the 12 courses, but not composite completion
    - Hence, 'average' of 'completed' count as a proxy for 'no. of participants' in N2 & N3 for survey

# Sample size & inter-se distribution

- We need 5% sample;
  - Assuming 60% response rate, 8.5% of participants proposed for online survey
- Step-wise computation:
  - Step 1: District wise 8.5% participants as sample (respectively for Telugu, English and Urdu)
  - Step 2: District wise proportions computed for relevant school-types for N1, N2 and N3
    - Example of Adilabad district:
      - N2 has participants only from GUPS, MPUPS, GHS, ZPHS, TSMS/KGBV
      - Adilabad has GUPS (4%), MPUPS (37%), GHS (13%), ZPHS (35%) & TSMS/KGBV (11%)
  - Step 3: 8.5% district sample distributed among above school types proportional to their presence in the district
  - Step 4: Within each school type and medium of instruction, the distributed sample is further sub-divided into 'Teachers' and 'HMs' in the ratio of 9:1 (assuming 10% HMs overall)

This is how the computed sheet for N3 looks (will form the basis for instructions to DEO)

S. No	District	No. of Participants  (Avg. of no. of 'completed' participants taken from each course under N.3.0.)						Sample for Online Survey @ 8.5% of participants						Inter-se distribution of sample among different school managements and media of instruction																																																		
														GPS												MPPS												GUPS												MPUPS														
		Telugu			English			Urdu			Online Survey Sample proportional to school caTegory presence in district						Telugu			English			Urdu			Online Survey Sample proportional to school caTegory presence in district						Telugu			English			Urdu			Online Survey Sample proportional to school caTegory presence in district																							
											Telugu															English															Urdu						Telugu						English						Urdu					
											No. of schools in district	% of total Govt. & Local Body schools in district (Relevant to N.3.0.)	Total Participants to be surveyed	Teachers	HMs	Total Participants to be surveyed										No. of schools in district	% of total Govt. & Local Body schools in district (Relevant to N.3.0.)	Total Participants to be surveyed	Teachers	HMs	Total Participants to be surveyed										No. of schools in district	% of total Govt. & Local Body schools in district (Relevant to N.3.0.)	Total Participants to be surveyed	Teachers	HMs	Total Participants to be surveyed	No. of schools in district	% of total Govt. & Local Body schools in district (Relevant to N.3.0.)	Total Participants to be surveyed	Teachers	HMs	Total Participants to be surveyed	No. of schools in district	% of total Govt. & Local Body schools in district (Relevant to N.3.0.)	Total Participants to be surveyed	Teachers	HMs	Total Participants to be surveyed	No. of schools in district	% of total Govt. & Local Body schools in district (Relevant to N.3.0.)	Total Participants to be surveyed	Teachers	HMs	Total Participants to be surveyed
1	Adilabad	471	49	29	40	4	2	21	4%	1	1	0	0	0	0	0	0	445	78%	31	28	3	3	3	0	2	2	0	10	2%	1	1	0	0	0	0	0	0	98	17%	7	6	1	1	1	0	0	0	0															
2	Bhadradri	1105	78	7	94	7	1	15	2%	1	1	0	0	0	0	0	0	776	81%	76	68	8	5	5	1	1	0	0	3	0%	0	0	0	0	0	0	0	0	164	17%	16	14	2	1	1	0	0	0	0															