

Teacher Training status under ‘Technology Assisted Learning Programme (TALP)’ - DSERT, Karnataka

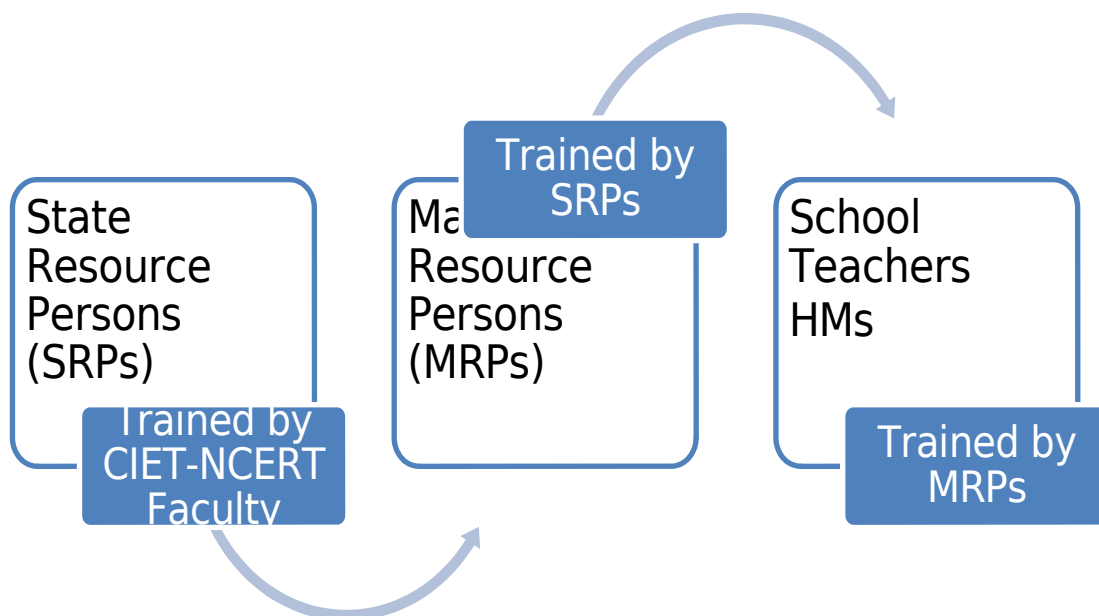
1 Background - TALP Programme

Karnataka has been implementing ICT education in schools since 2000-01. ICT initiatives like ‘Mahiti Sindhu’, ‘ICT Phase 1’ and ‘ICT Phase 2’ have been implemented in the State. In view of the National ICT Policy in School Education 2012 and the NCERT ICT curriculum, the State has re-designed the ICT programme as “Technology Assisted Learning Programme” (TALP) and adopted the CIET-NCERT curriculum for Teachers. The TALP is being implemented vide GO. No. ED 64 Mahithi 2016, dated 05.07.2016. The programme objectives, components, activities, implementation arrangements, funding and implementation schedule have been detailed in the said G.O. The programme envisages ensuring Digital Literacy for all students of Class 8 to 12 in government schools and P.U. colleges. As per NCERT Curriculum for ICT in Education (Year 1), complementing normal classroom teaching with ICT enabled teaching and learning in all subjects and building teachers capacity for their role as drivers of the project at school and college levels as per NCERT Curriculum for Teachers. The programme is being launched in the year 2016-17 with support from CIET-NCERT. All government high schools will be covered under the IT@Schools in Karnataka project, as a part of TALP, in five years.

2 Teacher Training under TALP

2.1 Training implementation

The strategy & implementation model followed by Karnataka State for the ICT teacher training, developed with support from CIET-NCERT is given below:



2.2 Training Progress

a) Induction-1 training

Resource Persons from CIET-NCERT have successfully conducted Induction-1 training to the 13 State Resource Persons (SRPs) at RIE, Mysore November 2016.

These SRPs have imparted the Induction-1 training to 136 MRPs with the support & guidance from CIET-NCERT.

The trained MRPs have further taken forward the Induction-1 training to subject teachers and HMs of schools under the TALP programme.

b) Refresher training

Refresher-1 training for the State Resource Persons was successfully conducted at RIE, Bhopal in June 2018. These SRPs have imparted the Refresher-1 training to 134 MRPs; who have further taken forward the Refresher-1 training to subject teachers and HMs of schools under the TALP programme. The Induction-1 as well as Refresher training details are given in the below tables:

Table 1: Year-wise break-up of participants for Induction-01 and Refresher courses

Year	Participants	No. Schools	Training Name	
			Induction-1	Refresher Course
2016-17	MRPs	-	136	-
	Teachers & HMs	999	2910	-
	DIET Lecturers	-	413	-
2016-17 Total		999	3,459	0
2017-	PU MRPs	-	97	-

18	Teachers & HMs	750	5116	-
2017-18 Total		750	5,213	0
2018-19	MRPs	-	-	136
	Teachers	1195*	4261	-
	Induction-1 Trained Teachers	-	-	5912
	DIET Lecturers	-	143	-
2018-19 Total		1,195	4,404	6,048
TOTAL		2,944	13,076	6,048

Participants	Training Name	
	Induction-1	Refresher Course 1 & 2
Teachers	10,821	6048
HMs	1602	-
DIET Lecturers	556	-
PU Lecturers as MRPs	97	-
TOTAL	13,076	6,048

* 1,195 schools includes 734 TALP schools, 21 KPS, 427 Tele-Education Schools and 13 voluntary schools

Table 2: Participants-wise break-up for Induction-01 and Refresher courses

c) Grading of Assignments

A quick response team consisting of 225 mentors (with 35 teachers attached to each mentor) has been created to handhold and address technological, hardware and content related issues. Such groups on social media have been helpful in providing help 24/7.

The mentors required for assessment and grading, following the CIET rubrics, were identified and assigned to the trainees. The assignments and e-portfolios submitted by the trainees on the

Moodle platform for the year 2016-17 and 2017-18 have been assessed by these mentors.

Induction-01 Grading:

Target	Achievement	Percentage
8,026	7,676	95.64%

* The grading process of Induction-01 trained teachers (2018-19) and Refresher courses trained teachers (2018-19) is yet to start. The rubrics for assessment for refresher courses is awaited from CIET. We are hopeful to start the assessment process in June 2019.

3 TALP Training Impact in Schools

The teachers trained in Induction-1 training have been oriented through interactive sessions at DIETs. An online format to obtain feedback on the implementation of ICT in classroom teaching has been developed for DIET officers and other officers, who visit the schools. A QR-code has been developed and circulated, which guides towards the online format. The analysis of such reports generated is used for improvement of training programmes.

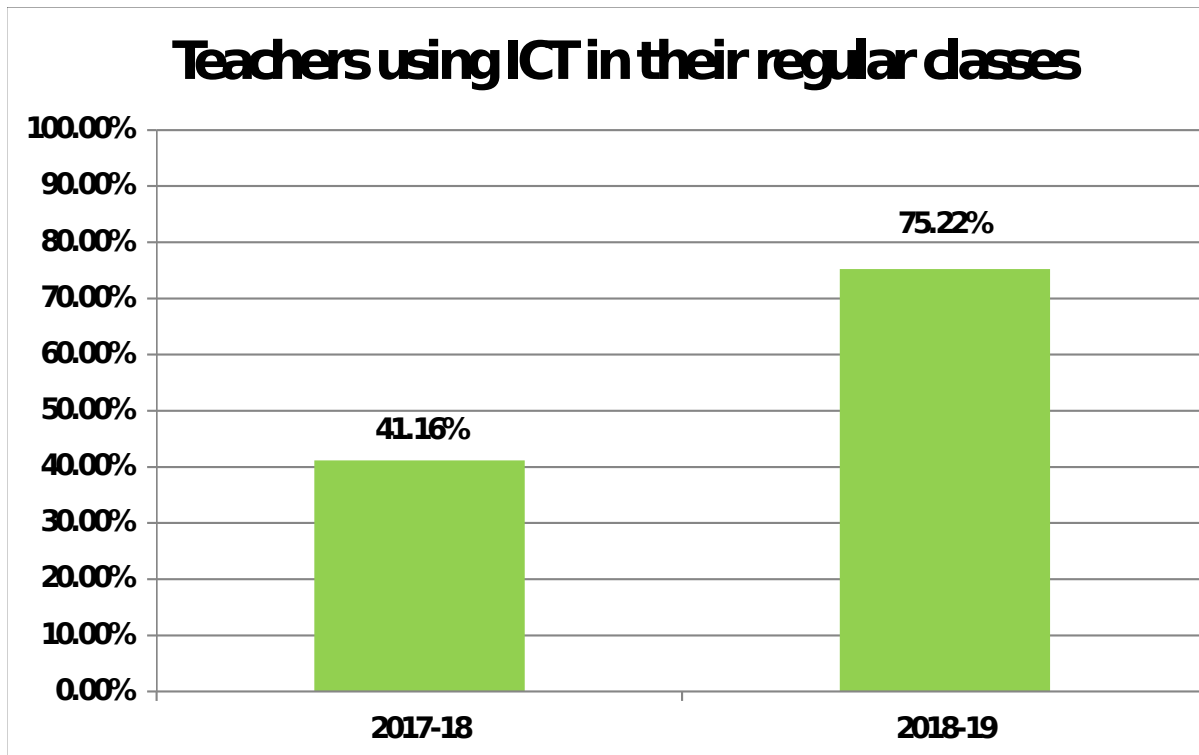
Responses were obtained and recorded during the school visits from teachers trained under Induction-1 training for the year 2017-18; and from teachers trained under Induction-01 and Refresher courses for the year 2018-19.

Responses in 2017-18 - **797**

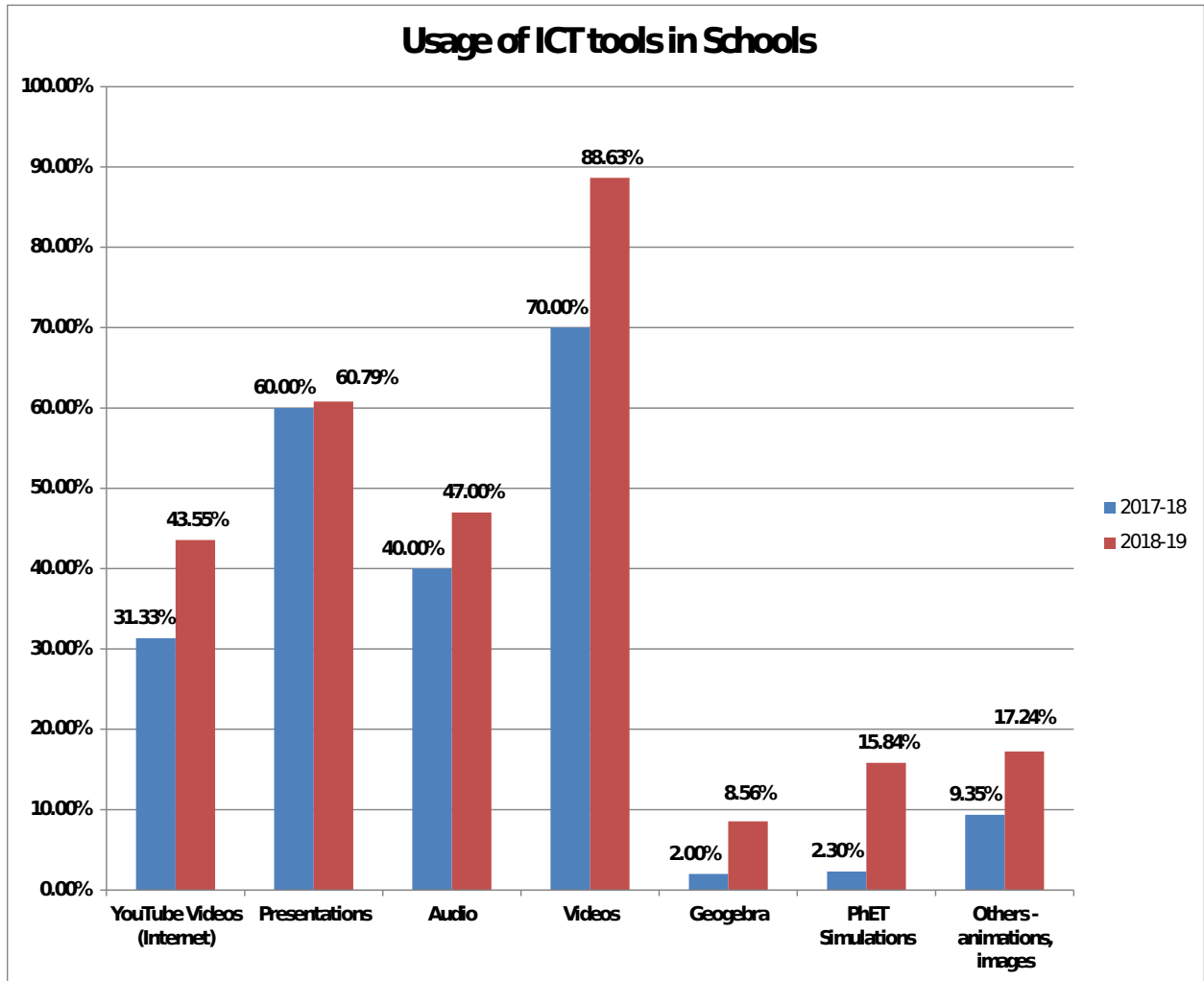
Responses in 2018-19 - **783** (as of 02-March 2019)

Following is the data, reflecting the effectiveness and impact of the teacher training programme in the schools for the years 2017-18 and 2018-19. It may be noted that this exercise is still in progress for the year 2018-19):

a) No. of teachers using ICT in regular classes



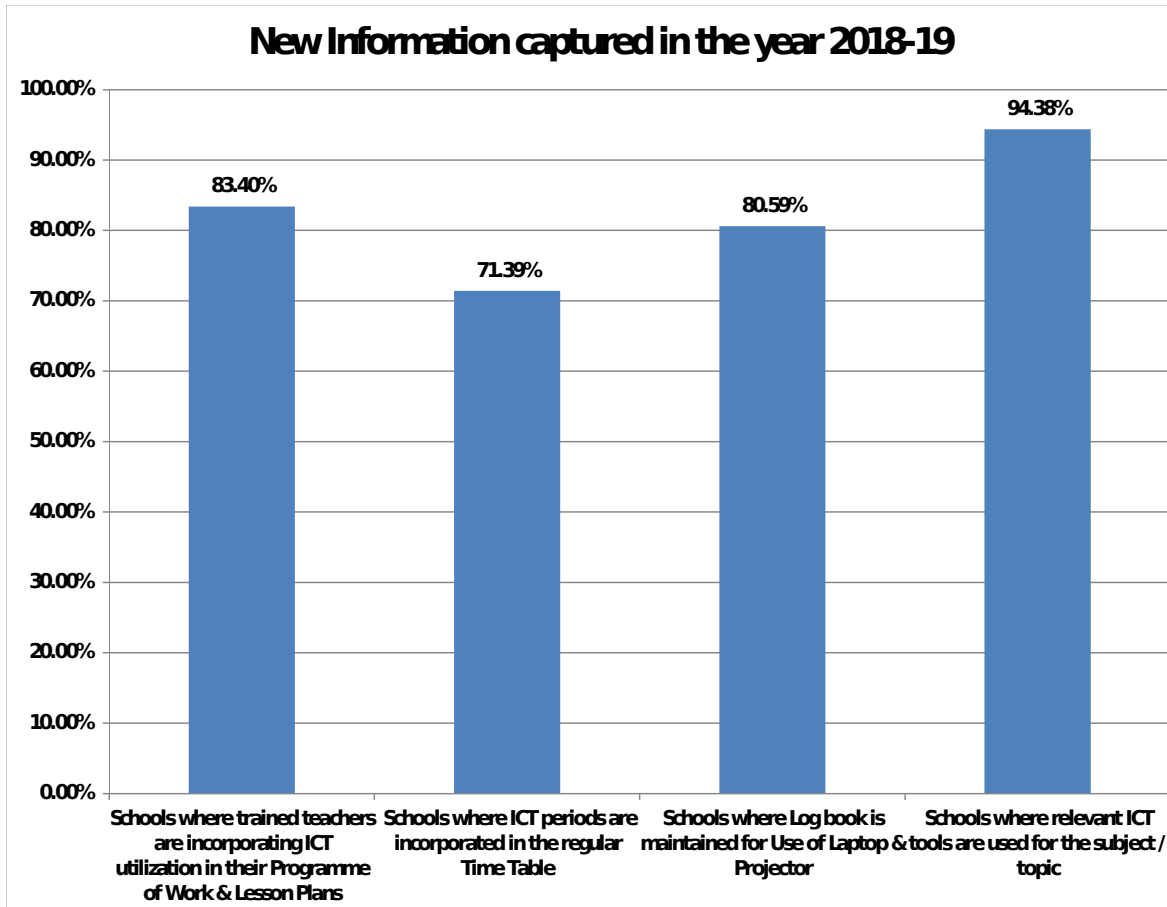
b) Teachers using ICT Applications / Tools used for ICT based teaching



After the Refresher-01 course was conducted, the

template for capturing information from the schools has been revised, adding important information about including ICT utilization in lesson plans, timetable, log-book maintenance at the school etc.

c) New information captured in 2018-19:



4 Action Plan for 2019-20

a) Action plan for Induction-01 training in 2019-20:

Details	Schools	Teachers	Remarks
Total Govt. High Schools in Karnataka (information as obtained from DIETs)	4,661	27,966	6 teachers per school are being considered for Induction-01 training (Math, Science, Social, English, Kannada and Hindi)
Covered from 2016-17 to 2018-19	2,944	10,821	4 teachers per school trained. Balance 2 teachers to be trained (Kannada and Hindi)
Balance schools & teachers to be covered under Induction-01 in 2019-20	1,717	16,190	6 teachers per school from 1717 schools (10,302) + 2 teachers per school from 2,944 schools (5,888)

b) Action plan for Refresher courses in 2019-20:

Details	Schools	Teachers	Remarks
Covered under Induction-01 from 2016-17 to 2018-19	2,944	10,821	4 teachers per school trained under Induction-01
Covered in Refresher courses in 2018-19	1,749	6,048	All Refresher courses trained in 2018-19 year
Balance schools & teachers to be covered under Refresher courses in 2019-20	1,195	4,780	4 teachers per school from 1,995 schools

c) Action plan for Grading of Assignments in 2019-20:

Details	Schools	Teachers	Remarks
Grading done for 2016-17 & 2017-18 schools under Inductio-01 training	1,749	7,676	Grading of Assignments completed for 4 teachers per school trained under Induction-01
Balance grading of assignments under Induction-01 training	1,195	4,780	Induction-01 Assignments

for 2018-19			
Balance grading of assignments under Refresher courses for 2016-17 to 2017-18	1,749	6,048	Refresher course Assignments
Total Grading to be done in 2019-20	N/A	10,828	Induction-01 & Refresher course Assignments