

## ➤ **STEP Programme:**

### **Program Description:**

STEP enables an engaging learning environment for the learner, making the experience more hands on and lasting while also imparting the necessary Information Communication Technology (ICT) and 21st Century Skills. The program is designed for students of grades 6th and 7th who will be assigned Projects each semester from following subjects Science, Mathematics and Social Science.

### **Digital Literacy (Project Based Learning):**

Students of 6th & 7th grades work on projects that require the use of technology. The approach aims to deliver not only ICT skills, but also enhance their research skills & critical thinking, which are the 21st century skills that students can build on. As part of project-based learning, students groups work independently on curriculum aligned projects with guidance from teachers.

### **Summary of the STEP progress:**

Team Sikshana conducted an extensive and a hands-on teacher training activity to the teachers of KPSs for better implementation strategy of STEP. DMs of Sikshana have also conducted multiple school visits to determine the status of project completion by students. A detailed narrative of all the activities is given further in the report along with the action plan for the upcoming quarter.

### **Technology Integrated Teaching (Offline Content/Framework)**

In addition to building and enhancing the basic ICT and 21st century skills in students, the “Technology Integrated Teaching” component of STEP aims to motivate teachers to take greater ownership and use technology in the classroom. Schools are equipped with an “Offline Content Package” that contains open source, curriculum aligned, audio visual content, which the teacher can use in the classroom to enrich the students’ learning experience.

### **Teacher Training Activity for STEP**

An intensive and hands-on training session on enhancement of ICT Skills to the teachers of KPSs across the state of Karnataka was conducted during the months of November and December 2019 by Shikshana. This program was designed to help teachers who found it difficult

to transact with technology for teaching. STEP is conceptualized with the intent of empowering teachers to own the implementation of the program in schools with knowledge transfer support from Sikshana through trainings. Hence the Training Team of Sikshana conducted this training in four zones of Karnataka and the activity was designed for 16 hours spread across two days in each zone.

Please refer to the table below for details of the training sessions:

Zone	Dates of Training	No. of Teachers Attended	No. of Hours of Training
Belagavi	27th and 28th November 2019	64	16
Mysuru	17th and 18th December 2019	64	16
Bengaluru	12th and 13th December 2019	55	16
Kalaburgi	9th and 10th December 2019	42	16
	Total	225	64



**STEP TEACHER TRAINING**

Sikshana Technology in Education Program (STEP) has seen many students who had minimal exposure to technology show tremendous improvement. We have seen several examples of

students learning usage of computers where they started with basic on/off functions and have grown to use PowerPoint Presentations. The improvement of this nature is possible only when the teachers also understand and encourage their students to become empowered with technology which results in the holistic development of a student.

