# CODETANTRA

*CodeTantra* is a Govt. of India recognized Edtech Startup and also an MSME. They also have an MoU with AICTE/MHRD.It is an online Virtual Class hosting provider, hosting thousands of simultaneous classes with powerful tools for scheduling and activity/attendance tracking.

The i-TL**(Interactive Teaching & Learning)** platform employs Bloom's taxonomy. The exercises given work on the levels of recall, application, evaluation and code creation. Repetitive practice is used where recall is needed with respect to syntax. Building analytical and problem-solving skills is achieved through exposure to hundreds and thousands of coding exercises of various levels. With over 500+ exercises (on an average per course), the tool helps the faculty to hand-hold the learners to learn programming with much greater ease and efficiency.

The practice module which is given to the students post the learning module, helps the students in building expertise in programming.

The i-TL platform is a highly advanced tool of teaching/learning and is different from the regular e-learning tools which often depend on Video recording of faculty, screenshots of code snippets or power point presentations.

The i-TL platform has interactive live demos without audio.

- Live Summary reports of an entire class as well as individual student's progress can be monitored through different reports.
- Lab Record work/verification automation is another feature which helps faculty to a great extent.
- Conducting Online Coding Exams for internals or mock tests.
- Creating a 100% customizable course content which can be different for different sections if needed is possible.
- Pre & post course evaluation through profiling tests is possible.

The **Codetantra access** permissions are given to the students joining into the **first year B.Tech** course starting from the **academic year 2020-21**.All the first year students were enrolled on this tool and they were given permissions to practice various topics and programming questions available on the platform.A total of **750+ students** got benefitted by using the tool

**Faculty Coordinator**

**(V. Suresh)**