



Sinhgad Technical Education Society's[®]

NBN SINHGAD TECHNICAL INSTITUTES CAMPUS

Approved by AICTE, New Delhi, Recognized by Government of Maharashtra &
Affiliated to University of Pune (ID No. - PU/PN/Engg/432/2012)

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BEST PRACTICES 2

1. **Title of the Practice:** Knowledge Transformation through Cognitive Approach (KTCA).
2. **Objectives of the Practice:**
 - To share recent trends and multidisciplinary knowledge among students.
 - To showcase their technical talent in the field of engineering and management.
 - To improve the presentation and communication skills of students.

3. The Context:

To provide a common platform for engineering and management students to transform their ideas into wealth and help them to stand economically independent and strong. Taking this goal into consideration, the institute has initiated the following KTCA:

- **National Conference on Cognitive Computing (NCCC) for students:** Technological changes enforce skilled human resources to create more business opportunities. NCCC is vital in showcasing ideas to industry experts, faculties, and researchers. It also helps students to learn written and verbal communication skills. Here, students are divided into small groups based on their domain.
- **Project-Centered Education (PCE):**

The institution practices PCE, a student-centric pedagogy that effectively develops students' skills through project-based learning, mini-projects, and summer internship projects. It helps students to acquire a multidisciplinary knowledge transfer and development through active exploration of real-world challenges and problems.

- **Internship:** The goal is to promote students to the industrial environment to develop skilled human professionals. It will help students understand the administrative, social, and economic of business operations. Because of this, the institute assists students in

finding their internship through the Internshala and AICTE portals and various platforms Central Placement Cell provides and individual staff contacts.

- **Language Lab:** Language Lab helps students to practice their listening and oral communication skills. Teachers interact with students regarding listening and observation with students.

4. The Practice:

- Teachers motivate students to select their projects from industry, Smart India Hackathon(SIH) portal, academicians, or Research Scholars.
- Review is taken from time to time to observe their progress.
- Students are asked to showcase their ideas by participating in NCCC Project Competitions.
- Session Experts composed of faculty members and industry personnel scrutinize their performance based on the methodology and findings.
- Selected groups are guided to equip them with the necessary skill sets to create employability.

5. Evidence of Success:

- Noteworthy participation of students in conference and paper publication
- Students can demonstrate competent verbal communication skills during examination and placement.
- Students can understand the significance of Time to Market via project and financial management
- Able to work as a mentor to guide projects.

6. Problems encountered, and Resources required:

- Challenging to get real-time problem statements from the industry.
- The pandemic situation has put restrictions on sponsored projects and Internships.