



# KJ's Educational Institutes

## TRINITY ACADEMY OF ENGINEERING, PUNE- 48

(Approved by AICTE, New Delhi, Govt. of Maharashtra and affiliated to SPPU, DTE Code: EN6634)

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### Institutional Distinctiveness (A. Y. 2021-2022)

#### Empowering academics towards holistic development of students

Trinity Academy of Engineering aims to impart an excellent quality education in engineering at affordable fees, towards the holistic development of the students. The institutional distinctiveness is to excel in the overall academics of the students and making them competitive towards pursuing their goals. The institute commits for overall development of the enrolled students from rural as well as urban areas and empowerment of their academics as the institute is closely surrounded by both rural and urban areas. As per TIMES engineering ranking 2022 the institutes holds 109<sup>th</sup> rank in top private engineering institutes of the country. The integrated character building and holistic development through rigorous training and innumerable activities in the academics at the institute makes every student enough competitive to face various challenges of the globe.

TAE has been striving towards excellence in offering the best quality education to all its students. Achieving excellence in the education is long-run continuous procedure. This excellence in education is being achieved through rigorous academics at the institute by the following ways:

Enjoyable learning activity: Faculty at institute prefers to adopt innovative ways that can make learning enjoyable and interesting. For instance, quiz competition, virtual demonstrations using ICT tools and live demonstrations after visiting the actual happening sites. For instance, to learn the multi-media and Dolby systems, visiting nearby multiplex cinema theatre.

Project based seminars: This activity is organised for the students to present their project work, share innovative ideas, and discuss outcomes of their work with the audience that adds value to their communication skills, leadership's quality, and creativity / innovation ability.

Problem based learning: In this activity students can select a specific task of their choice and a group of students (5 or 6) can work on a project/model/assignment for a complete semester and outcome of the work can be submitted as a report at the end.

Hands on training: Learning by doing science and technology. Attending classes and watching video demonstrations may not always sufficient and direct hands on training can give better understanding and newer learning experience. Industrial visits are organised on regular basis for that. Institute has research and development cell for the implementation of the experimentation on innovative ideas of the students.

Employability skills enhancement: The aim of many students is to get employable after their graduation. Various activities are organised at the institutes that enable students to get ready for the job. The career counselling sessions are conducted regularly through a Training and Placement Cell (TPC).

Skill development and value additions: The institute arranges skill development and value addition programs to facilitate students to enrich themselves for the entrepreneurship, employability and soft skills development.

Enhanced teaching-learning techniques: TAE use various ICT enabled tools to enhance the quality of teaching- learning like Video Conferencing platforms such as Microsoft Teams, ZOOM, Google Meet, Google Classroom, Google Docs Microsoft Power-point, and Google Slides, Virtual Lab etc., specifically used on extensive scale in COVID pandemic.

Posters/students seminars/group discussions: This is an important activity to nurture various abilities of the students such as communication, creativity, group workability, presentations, innovation, critical analysis, reviewing, knowledge gaining etc.



Online courses offered such as by NPTEL: Institute continuously encourages students to opt for the online courses offered by NPTEL that provide quality education to everyone who is interested in learning from IITs through web and video courses.

Collaborations and MoUs: The institute believes, in collaboration and working with multiple partners, including international universities and research organisations, NGOs, industries, other foundations, corporate, public, and the government, hence formally joined through the MoUs (Memorandum of Understandings) with various institute & industries.

Expert lectures/guidance: The lectures to students by scientists, technologists, entrepreneurs and eminent academicians are organised on regular basis. We believe that this activity can encourage students to think out of box and get courage to opt for the challenging career pathways.

Entrepreneurship development: The institute has full-fledged Entrepreneur Development Cell (EDC) that aims to keep encouraging budding entrepreneurs for the start-ups or own business ventures. This is the today's real need of the nation. We often practice to import technologies in part or full from developed world that keeps our productivity (GDP) low. The ultimate solution is to orient our students in such a way that they can aim to develop own science and technology to make the truly independent nation in 21<sup>st</sup> century. Importing science and technology is not affordable to the densely populated country like us that keeps our nation poor at the world forum.

Future generation of innovation & leadership: To create next gen leaders in science and technology, patriotism and hard work along with the critical awareness about today's social, techno-economic issues in the country are essential and these qualities can imbibed in the students and relevant awareness can be achieved through rigorous activities mentioned above.

Overall character building of any student includes development in its intellectual, psychological, physical, social, ethical, cultural human values and so on. These can be further included or supported by sports, co-curricular, extra-curricular activities etc.



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In this way the institutional distinctiveness is clearly seen through above various activities in striving excellence in engineering education by empowering academics and implementing innovation practices towards holistic development and integrated character building of the students.