INDIAN SCHOOL OF BUSINESS

Technology Entrepreneurship Programme

About TEP

TEP - Technology Entrepreneurship Programme - is a two-year programme offered by the Indian School of Business, and is tailored specifically to generate an interest in entrepreneurship among young engineering students.

TEP is a programme developed by the Indian School of Business (ISB) in collaboration with the state governments of Andhra Pradesh and Telangana.

The programme is offered by the Centre for Entrepreneurship at ISB to third and fourth year students of engineering colleges in the two states.

TEP aims to foster entrepreneurship by guiding and supporting engineering students in creating technology-enabled products and services.

Additionally, the programme helps students improve their communication and teamwork, as well as their problem-solving and decision-making abilities.

TEP GOALS

- Foster an entrepreneurial mindset in engineering students

- Mentor and support students to launch their own ventures

TEP is made up of both theoretical and practical components that help engineering students put their technical skills into practice. Through the course of the programme, the students also acquire the tools and methodologies needed to solve real- world problems.

Students also get an opportunity to apply this knowledge as they solve the Engineering Design Challenge (Year 1) and later when they want to launch their own venture (Year 2).

TEP has a network of mentors from the technology, design and business sectors. These experts actively guide the students through various phases of the programme.

Engineers as Entrepreneurs

Engineering practice today demands a breadth of skills: an understanding of design, leadership, management, entrepreneurship and innovation, along with the necessary technical skills.

India has the potential to be a global technology leader, but for this to become a reality, there needs to be a radical change in the current education model.

The future depends on young engineering graduates being able to effectively recognize and seize potential entrepreneurship opportunities.

To help realize this, the Indian School of Business joined hands with the state governments of Telangana and Andhra Pradesh in 2014 to pilot the TEP initiative.

In partnership with TASK (Telangana) and IEG (Andhra Pradesh), TEP was launched in over 20 accredited engineering colleges across these two states.

Ajit Rangnekar
Dean, Indian School of Business

Partner Organisations

TEP has been developed on the back of a strong partnership between the Indian School of Business (ISB), the Institute for Electronic Governance (IEG) in Andhra Pradesh, and the Telangana Academy for Skill and Knowledge (TASK).

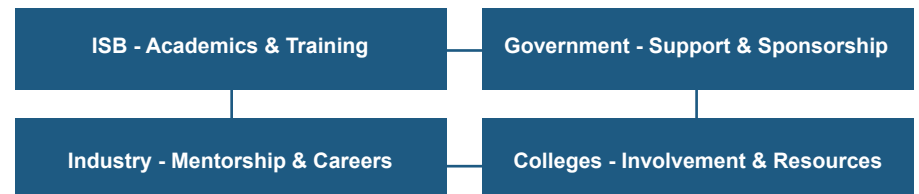Together, the partners provide constant backing and support to the colleges enrolled in TEP.

The joint venture brings together the best of what each has to offer in the programme: the expertise of a world-class educational institution, supported by the sponsorship of a visionary administration.

TEP Ecosystem

The Technology Entrepreneurship Programme has a strong ecosystem that integrates the involvement of several key stakeholders. Each player makes important contributions to the overall growth of the student.

ISB - Academics & Training	Government - Support & Sponsorship
Industry - Mentorship & Careers	Colleges - Involvement & Resources

Indian School of Business

- Developing new courses on design, innovation and entrepreneurship specifically tailored for TEP
- Faculty development workshops for engineering college faculty associated with the programme
- Access to mentors, investors and industry at various stages of the programme

Engineering Colleges

- Enrolled colleges provide necessary support for conducting design thinking workshops and in-person sessions
- Colleges contribute dedicated time and resources required by course curriculum
- Participating institutions ensure the success of TEP by actively encouraging students to take part in the programme

Government Partners

- Development of infrastructure to support knowledge creation and dissemination
- Provision of access to technology labs in areas of relevance to complement TEP
- Commitment to the strengthening and scaling of TEP across various states

Industry Partners

- Offer technical and knowledge mentorship throughout the programme
- Provide infrastructure and support in effective delivery of online modules
- Support for establishing technology labs, granting awards and scholarships

TEP Students: Holistic Growth

The benefits of TEP are not restricted to classroom learning; enrolled students undergo a well-rounded moulding that prepares them not only for life after college but for the path beyond.

Knowledge & Learning

Gaining new skill-sets in a wide range of relevant subjects

Career Readiness

Becoming confident graduates with industry-ready abilities

Mentorship & Support

Learning from the best minds in entrepreneurship & innovation

Widened Horizons
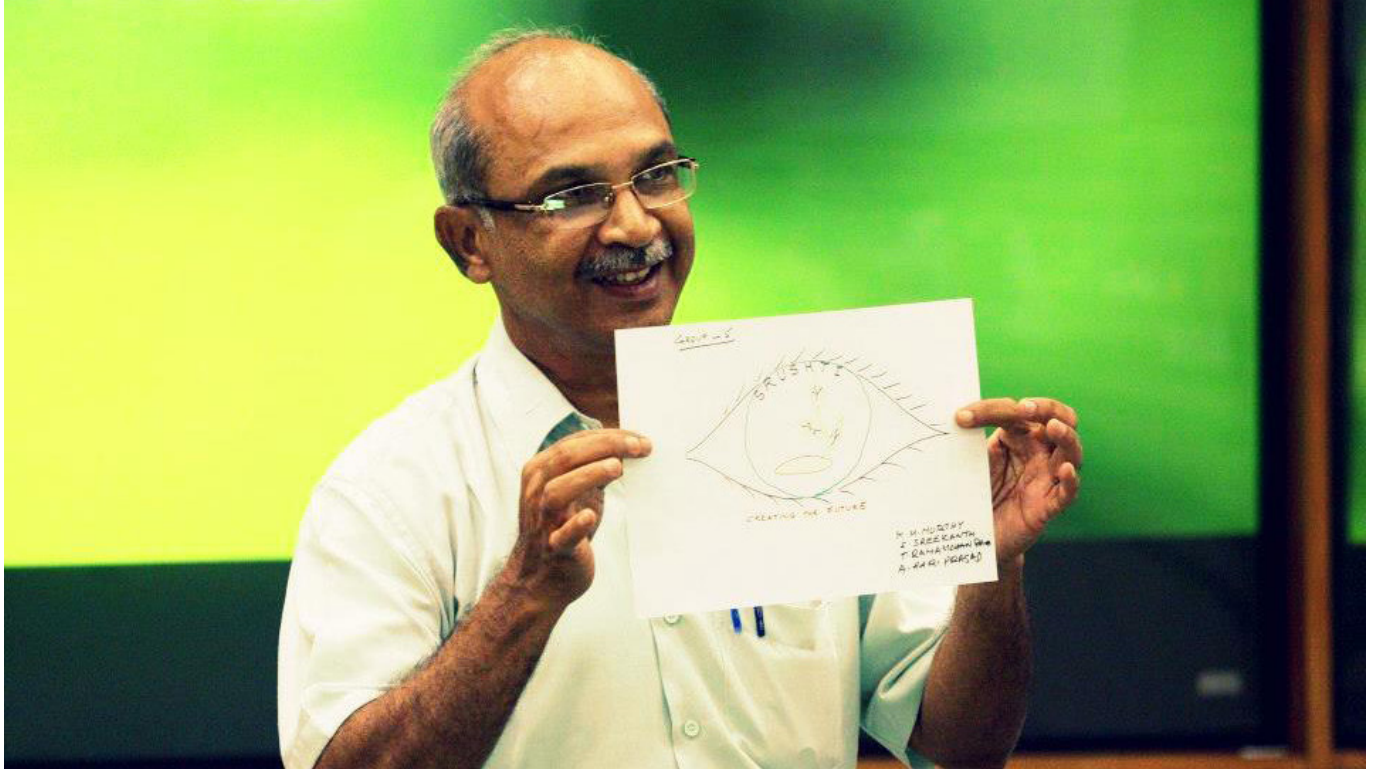
Becoming aware of new career paths and potential ventures

Multi-Disciplinary Learning

Working in teams with students from different specializations

Co-Curricular & Soft Skills

Gaining better interpersonal, communication & team skills

TEP Course Overview

TEP has been formulated as a semi-virtual programme having a combination of online and offline modules, which complement the technical training of engineering students with entrepreneurship skill-sets.

TEP is a programme over and above the engineering curriculum. It is spread across two years (four semesters).

The classroom experience has been recreated through a learning management system specially created for TEP, which students use to access various course lectures online.

The programme also has practical components, where students participate in a design thinking workshop, bootcamps and annual challenges.

The first year culminates in the Engineering Design Challenge, and in the second year, students can present their ideas at the Pitch Event.

Course Components

The components of TEP can be broadly categorized into three areas:
Core Courses, Practicum and Build Your Own Venture

CORE COURSES

Online Modules covering topics on Product and Service Design, Innovation Management and Entrepreneurship
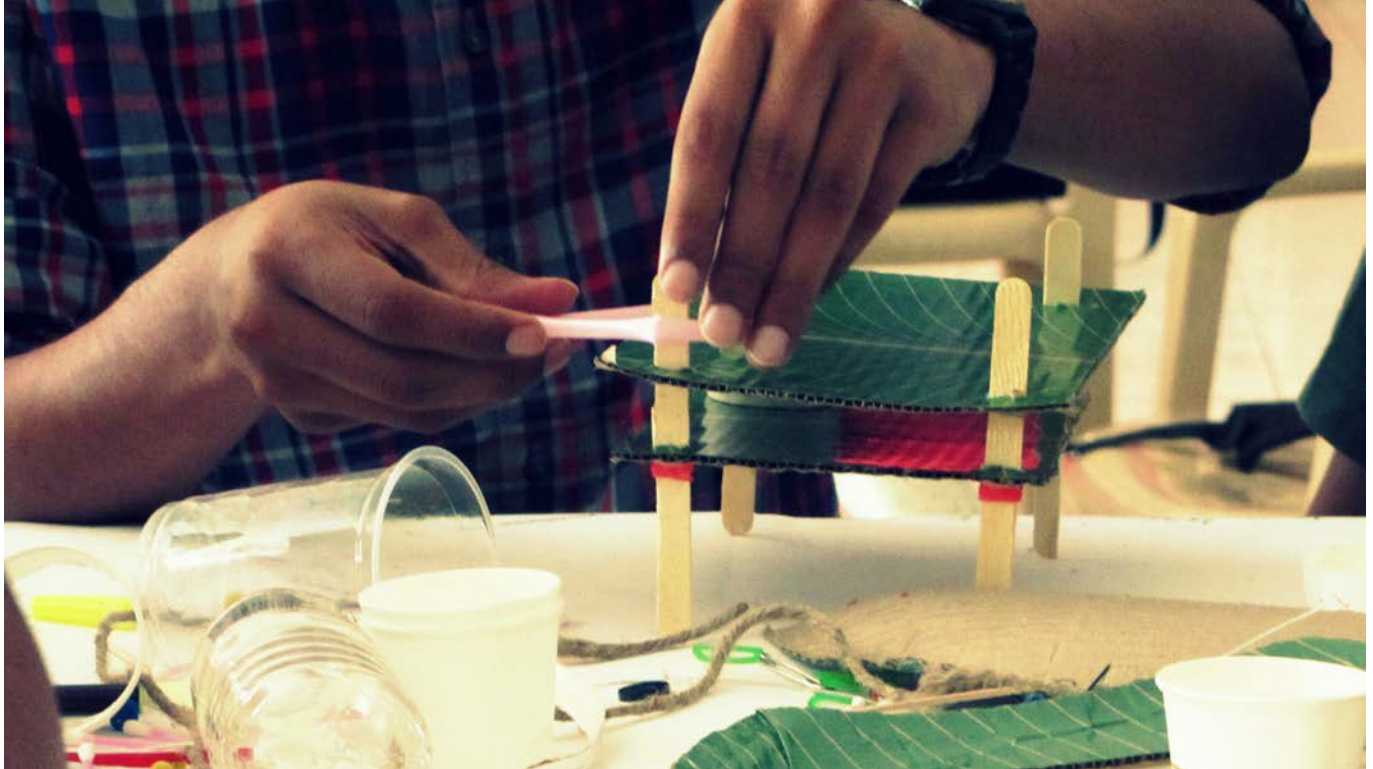
PRACTICUM

Activity-based learning through a Human-Centric Design Thinking Workshop and the Engineering Design Challenge

BUILD YOUR OWN VENTURE

Preparing a Proof-of-Concept through a series of bootcamps and mentor clinics, to be presented at the Pitch Event

TEP: Year One

Product and Service Design ·····················►

Design Thinking Workshop	**Core Courses**	**Engineering Design Challenge**

Jun - Aug

Aug - Oct

Jan - Apr

The Human-Centric Design Thinking Workshop introduces the processes and methodologies of design thinking.

Students use this phase-wise approach to solve the Engineering Design Challenge.

TEP's online learning platform is a digital space where students access course modules, interact with other TEP students and faculty, discuss topics on a shared forum, and solve their queries through interactions with ISB teaching associates.

The Engineering Design Challenge involves student teams working on creating fully-working product prototypes based on specific themes. The students work closely with academic and industry mentors in the prototyping and feedback phase.

TEP Finale (Engineering Design Challenge)

Successful student teams are shortlisted for a refining bootcamp and challenge finale at ISB, where top teams receive recognition and support from the industry.
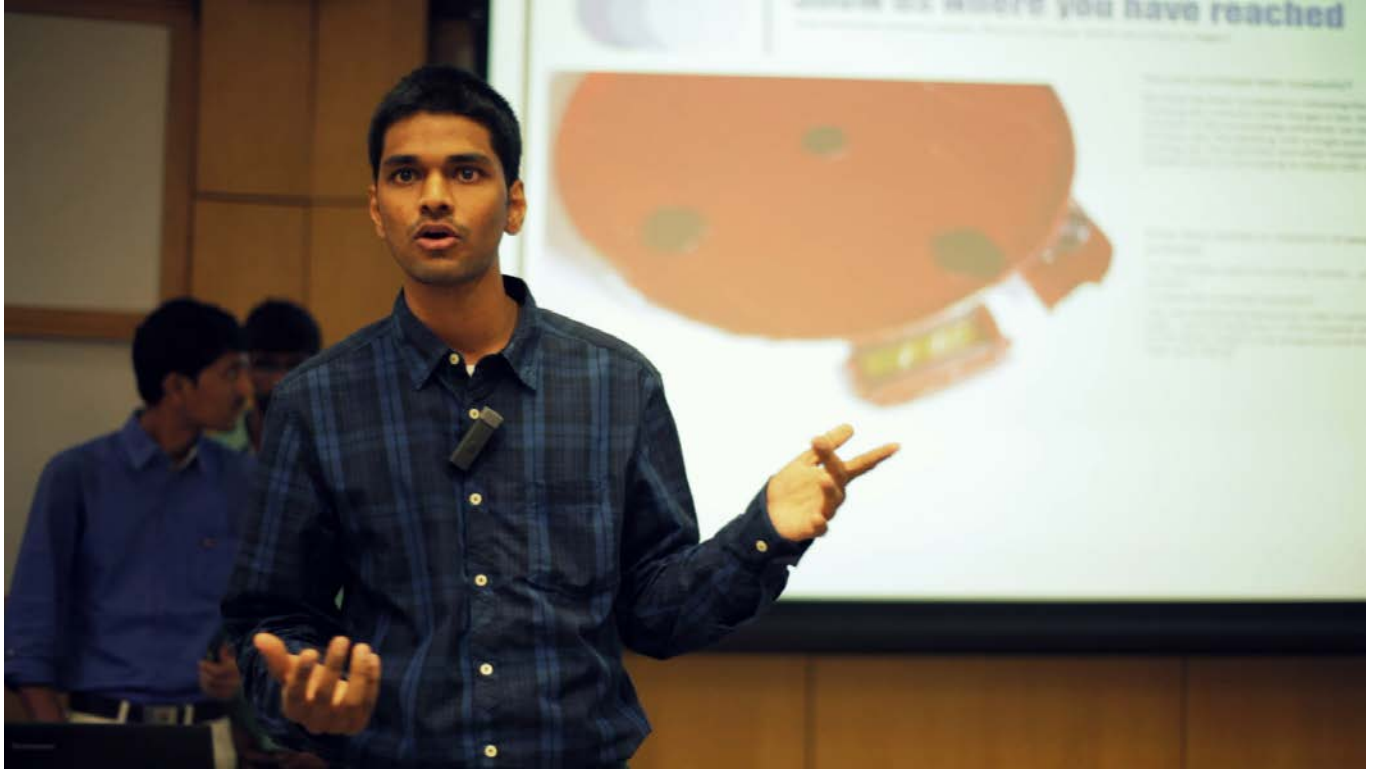
TEP: Year Two
Build Your Own Venture ···➤

TEP CERTIFICATION	

On successful completion of programme requirements, the students receive a certificate of completion, at the end of year one

Entrepreneurship Training Courses

Aug - Dec

In the second year of TEP, students go through a series of specialized modules on entrepreneurship. These include topics like strategies for entrepreneurs, how to identify opportunities, and the basics of writing a strong business plan.

(Bootcamps & Mentor Clinics)

Aug - Mar

To prepare their proof-of-concept, students engage in hands-on in-person sessions with industry and academic mentors on topics like marketing strategy, negotiations, and other entrepreneurial and management-related topics.
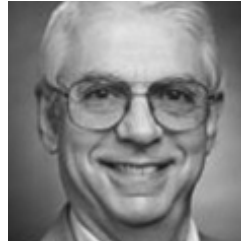
TEP Finale (Pitch Event)

At this event, students showcase their ideas to investors, mentors and incubators and can then choose to pitch for funding.

ABBIE GRIFFIN
University of Utah

ANAND NANDKUMAR
Indian School of Business

DANIEL E. WHITNEY
MIT, Massachusetts

MANISH GANGWAR
Indian School of Business

M. R. RAO
Woxsen School of Business

SANJIV ERAT
Rady School of Management

SARANG DEO
Indian School of Business

SIDDHARTH SINGH
Indian School of Business

SREEKUMAR BHASKARAN
Cox School of Business

STELIOS KAVADIAS
Judge Business School

TEP Faculty

TEP brings together a diverse team of resident and visiting faculty from ISB and other leading business schools across the world. Their experience and insights ensure that the curriculum is relevant and aligned with global trends.

SRIDHAR SESHADRI

Professor & Sr. Associate Dean Faculty & Research, ISB

"We need innovation and entrepreneurship to propel our enterprises to the next level. TEP is an exciting venture towards that end. It also brings together academia, government and industry in one of the most fulfilling programmes hosted at ISB."

TEP Mentor Network

Apart from ISB faculty, TEP engages the expertise of external mentors from technology, business and design sectors. Mentors interact with students through call/skype sessions, prototyping bootcamps and mentor clinics.

Google

Microsoft Ventures

HARVARD BUSINESS PUBLISHING

With several industry giants already on board, ISB is working on building more connections to give TEP students a wealth of resources that can help them make their way across the entrepreneurial journey.

Mentors from different sectors are connected with students through an integrated mentoring platform.

Advantage TEP

The impact of TEP is far-reaching: ISB's integrated hands-on educational approach not only gives students an opportunity see their ideas take shape, but also benefits the wider range of stakeholders across the ecosystem.

FOR ENROLLED COLLEGES

- Platform for enabling holistic development of students beyond technical skills
- Opportunities to collaborate with partners and build industry-level connections
- Assistance from ISB in the form of faculty development workshops for the colleges

FOR INDUSTRY PARTNERS

- Opportunities to mentor bright minds and future entrepreneurs
- A subtle and efficient way to give back to society and create a good impact
- Access to the best talent from an extensive pool of engineering colleges

> " For me, TEP was a dream come true. It introduced me to Design Thinking and fuelled my entrepreneurial aspirations.
>
> I enjoyed working on the Engineering Design Challenge. I feel TEP has really added value to my academic learning, and has made me feel more confident about my ideas. Actually, it made me want to be entrepreneur! "
>
> - TEP Student, Year 1, 2014-16

TEP Enrollment Information

ISB strongly encourages engineering colleges with a vision to promote entrepreneurship to enroll in TEP. Only students of enrolled colleges can be a part of the programme.

Colleges that fit the following criteria are eligible to apply for TEP:

• Accredited engineering colleges
• Colleges with dedicated labs (micro-controller, design labs, computer labs etc.,) that should be made available to students as needed for the course
• Colleges that can host and provide logistics for workshops
• Engineering students in the 2nd semester of their 2nd year can apply

Colleges enrolling in TEP should provide administrative support for the programme, and also nominate engineering subject faculty members for mentoring students on technology issues

**The TEP application form
for colleges and students is
available at:**

**http://www.isb.edu/technology-
entrepreneurship-programme**

**Only students from enrolled
colleges can apply**

Contact Us

**Technology Entrepreneurship Programme
ISB Centre for Entrepreneurship (ICE)
Academic Centre (AC) 2, Level 1
Indian School of Business Gachibowli,
Hyderabad-500 032**

**ADMISSIONS: admissions@tep.isb.edu
Phone: +91 40 2318 7287**

**PARTNERSHIP: partnerwithtep@tep.isb.edu
Phone: +91 40 2318 7234**

Indian School of Business

Hyderabad Campus: Gachibowli, Hyderabad 500032, Telangana
Mohali Campus: Knowledge City, Sector 81, SAS Nagar, Mohali 160062, Punjab

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