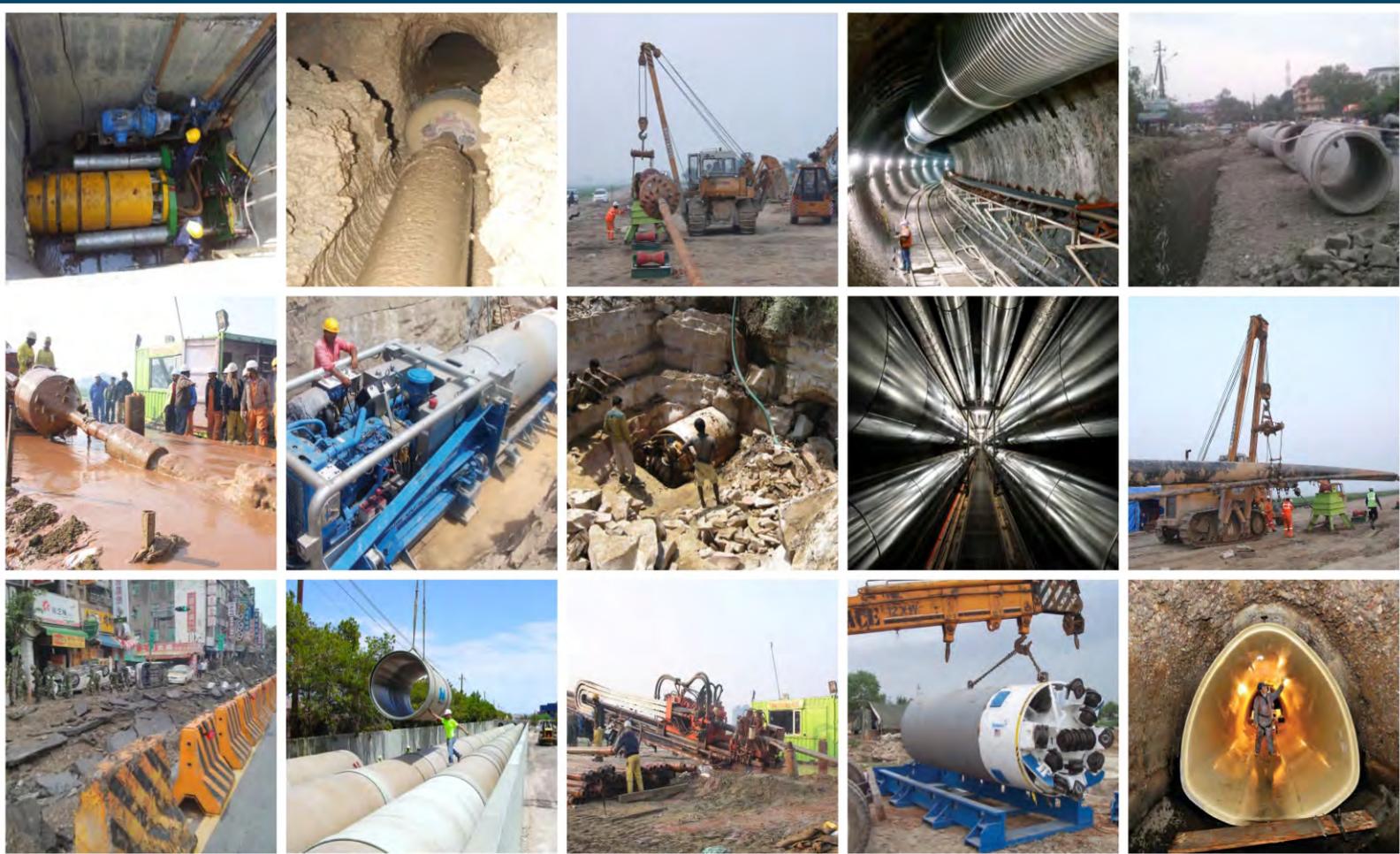


# Center of Excellence in Trenchless Technology SATI, Vidisha, Madhya Pradesh



Established by:



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Samrat Ashok Technical Institute  
Vidisha

Indian Society for Trenchless Technology  
New Delhi

# Background

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**Samrat Ashok Technological Institute, Vidisha, Madhya Pradesh**, is known for its excellent faculty and high quality intellectual capital. Many of the faculty members are actively involved in training, research and consultancy in areas that are of interest to them.

With the explosive urban growth in India, requirement of Trenchless Technology applications are growing. Recent origin, however, is the difficulty as till now structured education and training is unavailable in the nation. The need today is to train and develop professionals in this field who could function as resource persons in guiding and motivating students for joining the sector.

Keeping the above in mind, **Samrat Ashok Technological Institute (SATI)** in association with **Indian Society for Trenchless Technology (INDSTT)** the apex body to promote trenchless technology application in Indian Subcontinent has developed a focused Centre of Excellence for Trenchless Technology. This centre will go a long way in harnessing this technology & competency and dovetail it into a meaningful intellectual output.

## Center of Excellence

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The Centre of Excellence for Trenchless Technology at SATI, Vidisha, is established with a vision to bridge the knowledge gap between development and application of trenchless technology. The centre would act as a conduit for a technology's journey from being an invention to become an innovation. There are many organizations which harbor and promote incubation centres for development of technology or inventions. However, innovations are inventions that offer a clear benefit to the customers, a benefit that satisfies a market need, want or desire. It is essential since, ultimately, customers do not buy inventions, they buy innovations.

The centre would position itself as an establishment lower down the order in the channel, between the incubation centres and the market. Under the competencies of SATI & INDSTT in the area of understanding the market through marketing research, business analytics, web analytics; assessment of the technology; determination of its financial impact; quantification of its human impact; and, strategizing for its commercialization, we are in a unique position to claim the role of the facilitator of technology, if not harbinger. To attain our objective and strengthen our positioning, we would tie-up with organizations at both ends of the chain. A strategic alliance with a technology incubation centre would help us in better understanding of flow of invention and a tie-up with corporate's will take us closer to the market, particularly the underprivileged ones.

At the same time, as our competencies expand and our resources extend, we would be thinking of forward and backward vertical integration by aiding and abetting germination of new technology, as well as reaching out to the market. This would broaden our horizons of functions and enable us to contribute more to the society and the nation.

Thus, the centre is envisaged to act as a catalyst for diffusion of innovation into the targeted social system. It would usher in a strategic approach for amalgamation of technology with the target. It would provide a platform for collaborative partnerships with various stakeholders. It would facilitate integration of industry, government, academic and non-government organizations to bridge the gap between the product and the need.

# CoE Structure

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Centre will have as its patron a very senior industry executive along with a high powered advisory council of industry experts. The patron and the advisory council will decide on the thrust areas of each centre spanning across training programmes, research, consultancy and development of specialized electives. A faculty member will be the head of each centre and he/she will work very closely with the patron and the advisory council. A team of other faculty members will work with the centre head in the activities of the centre.

## Objectives

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The centre established with the following objectives:

- **Technical Advancement** - To advance the science & practice of Trenchless Technology for the society benefit.
- **Promotion of Trenchless Technology** - To promote better and more effective utilization of Trenchless Technology through education, training and development in all spheres of Government, agriculture, industry, commerce, education infrastructure, services and such other sectors as may be deemed relevant.
- **Professionalizing Trenchless Technology** - To promote leadership and to promote study and application of professional principles and practices in the field of Trenchless Technology in order to assist management and administration to develop and maintain an effective organization & organizational culture for environmental promotional purposes.
- **Sensitizing Stakeholders** - To promote an understanding of Trenchless Technology as a basic responsibility of management and administration and to assist the organization in planning and implementing their programme for the development of Trenchless Technology with a view to maintaining their effectiveness and changing their adaptability to changing problems challenges.
- **Knowledge dissemination** - To stimulate thoughts and efforts for dissemination, exchange and furtherance of information, knowledge, research, techniques, materials, aids, skills, and attitude in the field of Trenchless Technology.
- **Research & Development** - To sponsor appropriate research and/or publish necessary literature, books, journals, new letters, pamphlets, reports in the furtherance of the objectives of the Society.
- **Educational Objectives** - To promote or assist in the promotion of professional school and institutions aligned with the objective of the CoE, and other professional degree, diploma and certificates with approval from competent authority.
- To institute and establish scholarships, grants, awards and prizes to encourage study and research in the field of Trenchless Technology.
- To establish, organize or assist in setting up professional institutions, libraries, laboratories, exhibitions and other departments for the promotion of the activities of the CoE, with approval from competent authority.
- **General** - The CoE, will take up any other matter, related with its objectives time to time depending upon the requirement and do all activities as are incidental and conducive to the attainment of the objective of the CoE.



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