



175 YEARS OF
IIT ROORKEE
Estd. 1847



TechSarathi

One Stop Solution For your Technology Needs

TechSarathi is an IIT Roorkee's endeavour for supporting Industrial units in and around Roorkee. TechSarathi will focus on industries in a 175 Km radius of IIT Roorkee to help them adopt technically sound solutions, gear up their growth, and realize the objective of "local to global". This initiative aims to assess industrial units to evaluate their current state of technology, propose practical solutions to their problems, and suggest improvements to boost their overall efficiency. Accordingly, the industries can adopt the latest technology or sustainably improvise the existing ones. IIT Roorkee will also provide the industry access to its R&D facilities through the I-STEM portal. The technical audit will be followed by an action plan that would result in technological improvements, better health and safety practices, pollution control and sustainable waste management practices, acquisition of needed technologies and expertise. This scheme will conduct a comprehensive analysis of the industry's requirements for its sustainable growth. It will also spot opportunities for new products, services, markets, including assessing technology portfolio and intellectual property rights.

Expected outcome

Complete and comprehensive analysis of the requirements of a firm for its sustainable growth. Spotting opportunities for improvements - new products, services, technologies, and markets.

Developing a network with technology suppliers, technical sources and other companies. Assessment of technology portfolio and intellectual property rights.

1. VISIT

Visit to industries in 175KM radius of IIT Roorkee by TechSarathi Team

2. ASSESSMENT

Collection of information related to the organisation, technical capabilities innovative practices and products followed by assessment of the situation

3. ANALYSIS

Analysis of collected data and in-depth delbration over issues and possible solutions.

4. SOLUTION

Proposal and delivery of the final solution.

Main Highlight of the Program

- TechSarathi Fellows will visit industries to understand the problems faced by them and try to provide solutions for the same.
- Industries themselves are encouraged to contact IIT Roorkee if they have identified a technical problem and sought a solution.
- This program will improve industries in the considered geographical area making them technically sounder and ready for growth.
- The program will transfer technology, such as training, partnerships for technology developments, technical aids, property rights, etc.

Specialised areas

- Automation
- Advanced Manufacturing
- Information Technology
- Alternate Energy Sources
- Biotechnologies
- Chemicals
- Packaging
- Pollution Control
- Waste Management Etc.

IIT Roorkee Rankings & Achievements

1st

In India Regionals of 45th ICPC

5th

In the Atal Ranking of Institutions on Innovation Achievements i.e. ARIIA rankings**

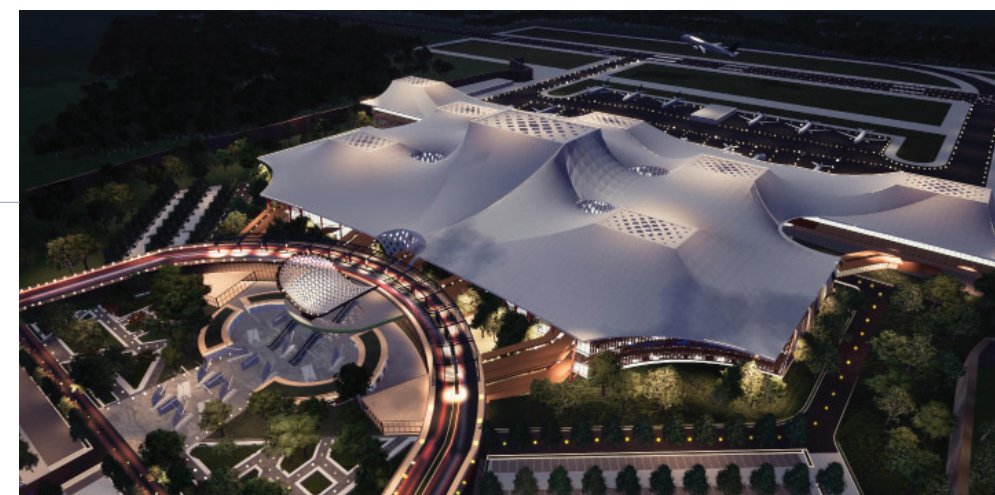
6th

In Engineering category*

7th

In Research category*

*NIRF rankings **by Ministry of Education



IIT Roorkee Wins GRIHA Trophy At NASA For The Design Of Terminal Building At Bagdogra Airport

1st Position In "Most Innovative Institutions" category By CII (Confederation of Indian Industry) for 2 consecutive years



ECell

- 393+ start-ups
- 2 unicorn start-ups
- US\$ 4.02 billion+ raised in funding
- 573+ investors



Knox

- 2nd place among 326 teams in the CAE category (awarded by ANSYS Inc.)
- Overall rank 10 among 280 teams from all over India.
- Achieved #7 Rank in Design Section in Virtuals Round (1st among all IITs) in 2017.



SDSLabs

- The highest number of Google Summer of Code selections worldwide in the past 4 years.
- Awarded top two positions in Microsoft's CodeFunDo over the years since 2014.
- UST Global hackathon champions in 2019



RMS

- 6th in formula Bharat 2021 Virtuals (EV category).
- Bagged overall 3rd place and presented the fastest accelerating car at Formula Green 2020.

For further communication, please write to :
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