



सत्यमेव जयते  
Ministry of Science & Technology  
Government of India

## **Project Proposal On**

*"ATME Advanced Technology Capacity Building Initiative"*

### **Submitted to**

**Division** :R & D Infrastructure

**Programme or Scheme** : Sophisticated Analytical and Technical  
Help Institutes (SATHI)

### **Submitted by**

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There is a necessity to create a Centre of Excellence in the Universities and colleges in the areas of Space, Biomedical and Nanomaterials. Students need to be ahead of a learning curve as companies are not investing in re-skilling/training the workforce due to high costs, attrition and steep learning curves, which is economically unsustainable for the new space companies.

Tech advancements are rapidly evolving while university curriculum is not able updated to meet the requirements of the industry.

Skilled manpower requirements in the next 5 years would be inadequate to meet the needs of NewSpace companies.

Undergraduate students still prefer international universities to Indian universities for higher education and research, to stay ahead of the tech curve, in light of rapid changes in the tech landscape Application of existing inter-disciplinary skill sets hardware software has to be improved a lot for students to contribute to the space economy.

In the absence of establishing the infrastructure and governance model, it's very likely that the nanotech, biomedical and space industries will have to play the catch-up game when compared to other countries, if the current trend continues, defeating the purpose of 'Make in India'. We have to reverse this trend.

The objective SATHI Science and Technology Hub for Innovations project concept aims to establish a comprehensive platform or facility that combines numerous resources, capabilities, and infrastructure under one roof. Offering internationally recognized analytical services for space technologies, analytical studies, drug development and testing of food, nutraceuticals, medicines, biologicals, and materials. The fundamental goal is to promote collaboration, creativity, and advancement in science and technology. The project aims to create a supportive atmosphere for academics, scientists, business people, and other stakeholders by fusing numerous elements into a single centre.

The key objectives are the following a. Networking of Academic Institutes and Industries, b Workforce Development c.Capacity Building, d Incubation and Startups, e Active Collaboration with Industry, f Training and Skill Development, g Knowledge Sharing and Dissemination, h Innovation and Entrepreneurship Support

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