



భారతీయ సాంకేతిక విజ్ఞాన సంస్థ హైదరాబాద్  
भारतीय प्रौद्योगिकी संस्थान हैदराबाद  
Indian Institute of Technology Hyderabad



## INVENTING & INNOVATING in TECHNOLOGY for HUMANITY (IITH)

*CELEBRATING 16+ YEARS*

**NIRF #3**  
(National –Innovation)

**NIRF #8**  
(National –Engineering)

**NIRF #15**  
(National -Research)

**NIRF #12**  
(National -Overall)

# Vision And Mission

## ACADEMICS



325+ Faculty



5,380+ Students  
(60% PG+PhD)



19 Departments

## RESEARCH



4 Incubation Centers



1350+ Cr  
Research funding  
(Rs. 250 Cr in 2023-24)



28 Centers/  
Centers of Excellence



260+ Start ups  
Rs. 1500 Cr of Revenue



4400+ Projects



460+ Patents  
210 Patents in 2024

## COLLABORATIONS



35+ Laboratories



65+ Industries



130 International



140+ Academic



250+ Placement companies



130+ National



25+ CSR



## Our Vision

To be recognized as ideators and leaders in higher education and research, and to develop human power with creativity, technology and passion for the betterment of India and humankind.



## Our Mission

IIT Hyderabad will be the cradle for inventions and innovations. It will advance knowledge and scholarship to students in science, technology and liberal arts, and equip them to handle the challenges of the nation and the world in 21 century

# Research Thrust Areas



**5G and Next Generation  
Communication  
Technologies**



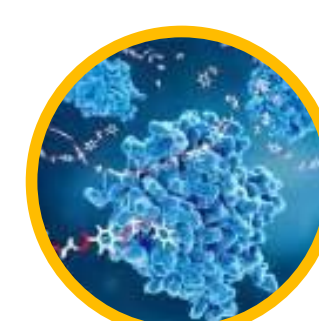
**Additive Manufacturing**



**Artificial Intelligence**



**Bio-inspired Processes  
and Systems**



**Catalysis**



**Climate Change**



**Energy**



**Healthcare**



**Integrated Computational  
Engineering**



**Nano Technology**



**Sensors and Devices**



**Transportation**



**Smart Mobility**



**Rural Development**



**Autonomous Navigation**



**Waste Management**



**Materials  
Characterization**

## Unique Departments:

- Artificial Intelligence
- Biomedical Engineering
- Biotechnology
- Climate Change
- Engineering Sciences
- Heritage Science and Technology
- Center for Interdisciplinary program (CIP)
- Design
- Entrepreneurship and Management
- Liberal arts

- ❖ Unique curriculum design philosophy Fractal Academics
- ❖ A flexible all rounded BTech curriculum with 60% professional major and 40% outside major including 10% liberal/creative arts)
- ❖ First multidisciplinary BTech program among IITs: Computational Engineering
- ❖ First among the IITs to start unique BTech programs
  - (a) Artificial Intelligence
  - (b) Biomedical Eng.
  - (c) Biotech & Bioinformatics
  - (d) Industrial Chemistry and
  - (e) IC Design & Technology



# Industry Connect

- ❖ **Bachelor's curriculum: credited semester-long internship (first among IITs).**
- ❖ **Master's curriculum: mandatory 1-credit course on "Industry Lectures"**
- ❖ **Online and industry focused Interdisciplinary (ID) Master's programs.**
- ❖ **Open to All Teaching (OAT) (first among IITs).**

## **Industry oriented and jointly executed masters**

- **Medical Device Innovation (with Asian Institute of Gastroenterology)**
- **Ophthalmic Engineering (with LV Prasad Eye Institute) and**
- **Medical physics (with Basavatharakam Cancer hospital)**
- **E-waste management (with Centre for MET),**
- **Smart mobility (with TiHAN)**
- **Additive manufacturing (with DRDO)**
- **Sustainable Engineering (with Greenko),**

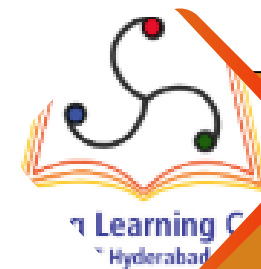
# Centres/ Centres of Excellence



**IIT Hyderabad Technology Incubation Centre (iTIC)**  
2015



**Centre for Healthcare Entrepreneurship (CfHE)**  
2016



**Teaching Learning Center (TLC)**  
2016



**Centre for Interdisciplinary Programs (CIP)**  
2021



**Design Innovation Centre (DIC)**  
2016



**Fabless Chip Design Incubator (FabCI)**  
2018



**Nvidia AI Technology Center (NVAITC)**  
2019



**Centre for Research and Innovation in AI (Kriya)**  
2021



**Centre for Minamata Convention**  
2019



**Technology Innovation Hub on Autonomous Navigation (TiHAN)**  
2020



**Rural Development Centre (RDC)**  
2020



**Transportation Research and Innovation Hub (TRI HUB)**  
2022



**Centre for Continuing Education (CCE)**  
2020



**Suzuki Innovation Centre (SIC)**  
2022

# Centres/ Centres of Excellence



**Industrial Energy Assessment Cell (IEAC) 2023**



**Takshashila - Centre for Heritage Science & Technology 2022**



**DRDO Industry Academia Center Of Excellence (DIACOE) 2023**



**DBT-SAHAJ National Facility for Single-Molecule and Super-Resolution Imaging 2025**



**Weapons and Electronics Systems Engineering Establishment (WESEE) 2023**



**Centre for Computational Engineering 2023**



**Centre for Geospatial AI and Digital Twins (CGDT) 2024**



**Centre for Research in Education Assisted by Technology (CREATE) 2025**



**DST SATHI Centre for In Situ and Correlative Microscopy (SATHI-CISCoM) 2024**



**IITH-Nikon Centre of Excellence 2024**



**Centre of Design Excellence (CoDE) 2024**



**Centre for Quantum Communications 2025**

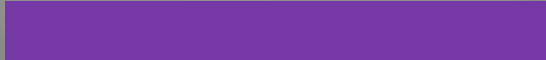


**Centre for Godavari River Basin Management Studies 2024**



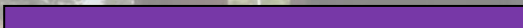
**Center for Cybersecurity and Applied Cryptography 2025**

# Entrepreneurship Eco-system @ IITH



**ACADEMICS**

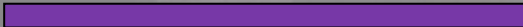
Minor in Entrepreneurship



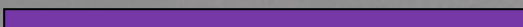
Double Major



Dual Degree

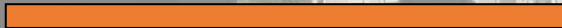


MTech in Techno-Entrepreneurship



**GERMINATION**

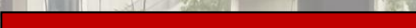
Entrepreneurship Cell



BUILD Project



**PREINCUBATION**



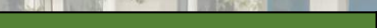
**INCUBATION**

CfHE

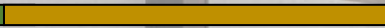
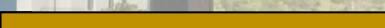
iTIC Incubator

TiHAN

FabCi



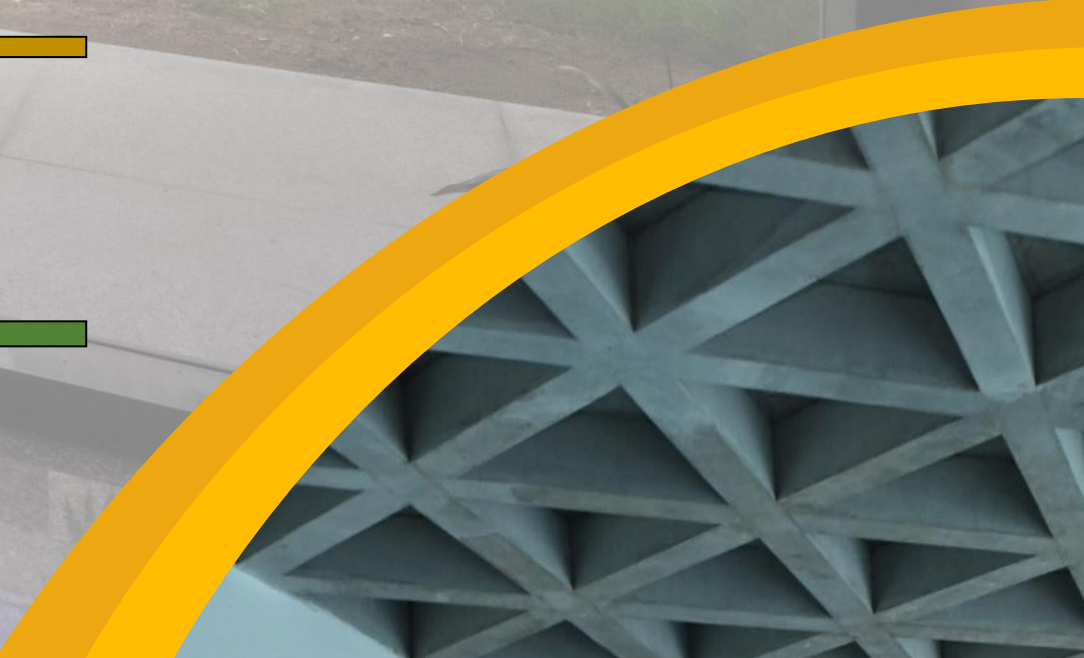
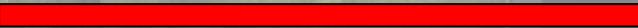
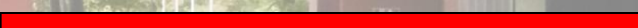
**ACCELERATION**



**HOST**

Technology Research Park

Technology Innovation Park

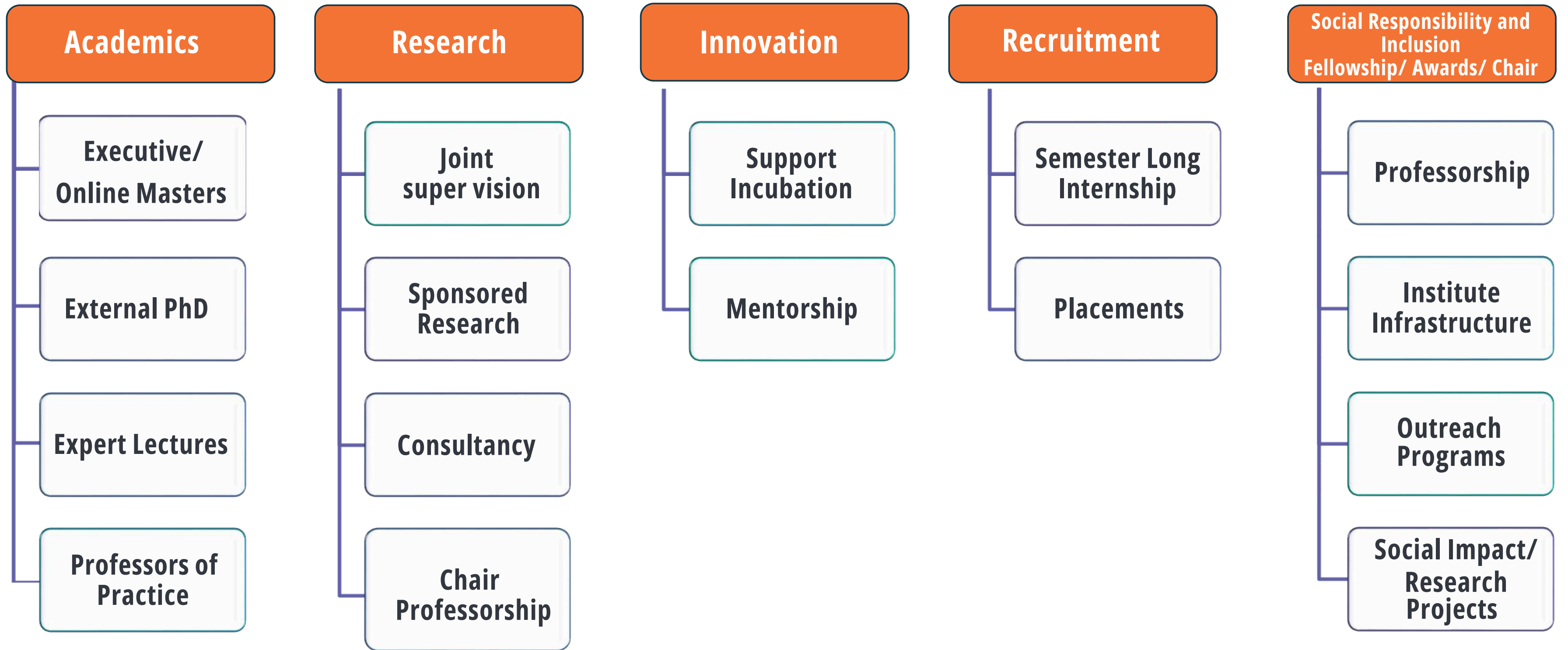


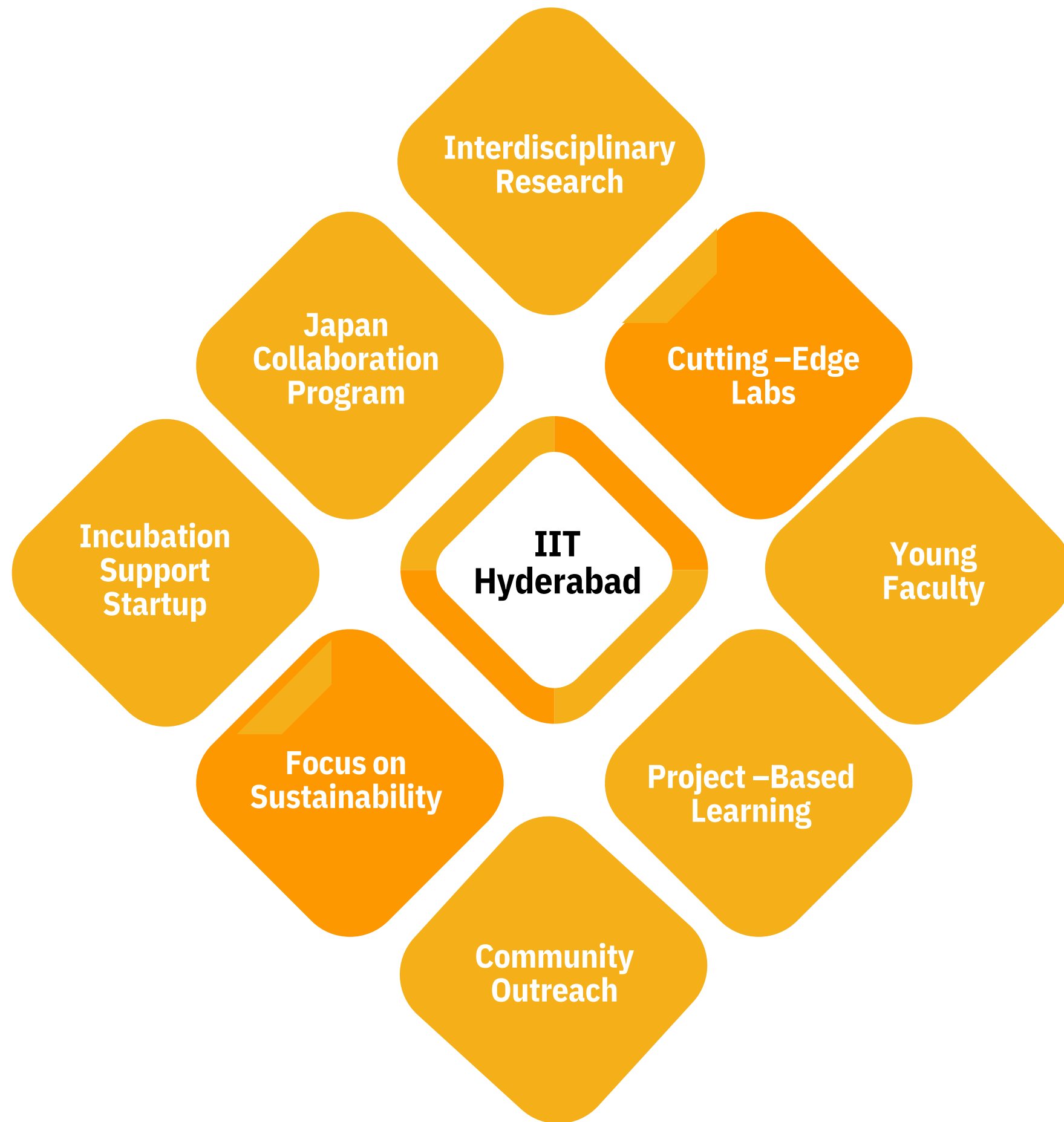


# Vibrant Industry-IITH Partnership



# IITH reaching out to Industries





- **Knowledge –Technology Power House** for empowering **Hyderabad –India – Globally**
- **IITH offers innovative programs like Design, Thinking, Entrepreneurship and other interdisciplinary courses.**

**We request your cooperation and collaboration for the same.**

# Vision 2030 & Beyond

## Academic Expansion

- 8,000+ Students
- 500+ Faculty
- 500+ Staff
- 25+ Departments/Schools
- 20+ UG Programs
- 50+ PG Programs
- 20+ Online MTech Programs

## Research, Innovation & Entrepreneurship

- 15,000+ Publications
- 2,00,000+ Citations
- 2500+ PhD students
- 300+ Patents/year
- Rs. 500 Cr+ R&D funding/year
- 50+ Tech Transfers/year
- 50+ Centers/CoEs
- 500+ Start-ups
- Support 50+ villages

## Campus Development

- Green Campus
- Energy-efficient Campus
- Modularity & flexibility
- Master Plan for 20,000 Students

## Research Focus

- Nurturing interdisciplinary research
- Promoting excellence
- Inspiring inventions and innovations
- Deep tech Innovations
- Locally relevant research
- Rural Development



Academic Expansion



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THANK YOU

