Brief on Incubation Activity at IIT Hyderabad

Inventions and innovations are keywords on which the foundation of Indian Institute of Technology Hyderabad (IITH) is based. The endeavor is to create an ambience where the research concepts are taken from ideation to prototype to product/commercialization stage. A strong academic and industry integration in addition to excellence in academic research forms an integral part for achieving the same. IITH was 10th in Atal Ranking of Institutes of Innovation Achievements (ARIIA).

IIT Hyderabad has established Technology Incubators and Research Park in the new campus. At present, IITH has allocated 30,000 sq ft space for Incubation and Research Park activities at IITH. Around 3,00,000 sft space for incubation and research park is under construction and this should be ready in the next 2 years. This office space will be state of the art, given that it is designed by Japanese architect.

To date, different incubators at IITH, have incubated 14 companies – 3 of them employ nearly 40 employees each and are already selling some of their products and services. Two incubates have received funding from Melinda and Bill Gates foundation, while three have received funding from DBT BIRAC. One have has received large funding from private investor.

i-TIC Foundation IIT Hyderabad (hosted by **Indian Institute of Technology Hyderabad**), a Society, is an umbrella organization that has been formed with the precise idea to nurture startup culture in IIT Hyderabad. The goal is to create an 'amalgam' of research and industry by creating a very supportive and nourishing environment wherein research concepts can be taken up and integrated with industry for commercialization. 11 companies are incubated in deep technology area, including Healthcare, Telecommunications, AI, Digital Manufacturing, Chip design, Advanced Materials, Modern mobility, Energy, Robotics and other emerging technologies.

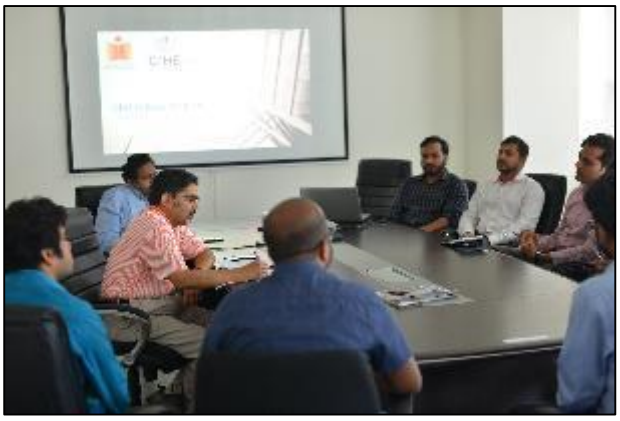
NIDHI Accelerator is a social entrepreneurship accelerator focused on three segments:
Healthcare, Agriculture and Education. IIT-H is a joint partner in this program with Action For India (AFI).

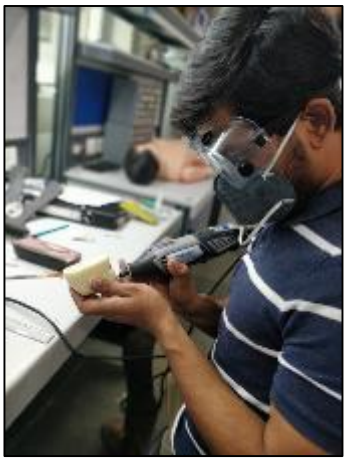
Research Park at IITH focusses on seeding linkages between knowledge and wealth creation with an expectation of outcomes in long term. The approximate budget of the proposed research park facility is around Rs.70.00 crores.
Currently, five organizations have setup their R&D labs in the Research Park.

Center for Healthcare Entrepreneurship (C*f*HE) was established in 2015 December at Indian Institute of Technology Hyderabad by two IITB Alumni, Rajesh Mashruwala and Avi Nash with an objective to catalyze healthcare innovation focused on affordable solutions to address healthcare needs of India.

The Center aims at bringing together engineers, clinicians, entrepreneurs and the business community on a single platform to design and innovate in the field of healthcare, biomedical devices, and services to create a social impact. The center plays a pivotal role in identifying the clinical gaps where the Bioengineers can make a big difference. The Center offers a one-year fellowship program focusing on changes at grass root level in an Indian context to address the unmet needs, both in the rural and urban health care sector.

The fellows enrolled in this program undergo a thorough immersion in clinical environment to identify the unmet needs. This is followed by training in needs analysis, solutions, and business plan development. These fellows are expected to start a company at the end of the fellowship program. The Center for Healthcare Entrepreneurship houses a start-of art facility for rapid prototyping of biomedical devices, which is one of its kind in the country where the fellows can test and validate their ideas at a rapid pace which speeds up the Biodesign innovation cycle. The clinical and business immersions together with expert mentorship in intellectual property rights, legal, regulatory, safety and medical device testing aspects empower a Healthcare Entrepreneur at the C*f*HE to overcome the hurdles in a medical product life cycle. The center incubates successful start-ups that come out of the Fellowship Program with a seed grant support.





Fabless Chip Design Incubation Centre (FabCI)

Motivation:

Electronics Industry is one of the fastest growing and largest manufacturing industries in the world, estimated to be at USD 1.75 Trillion at present and projected to reach USD 2.4 Trillion by year 2020. The demand in Indian market driven by higher consumption of electronic goods and our strategic needs for using technology in education, defense and healthcare industries is projected to reach USD 400 Billion by year 2020. The encouraging fact for India is the growing emphasis on fabless chip design companies.

About FabCI

Fabless Chip Design Incubator, a flagship program being executed with the support of Ministry of Electronics and Information Technology (MEITY) precisely focuses on creating an ecosystem for grooming startups in the area of chip design.

The primary motivation for this unique incubator program is to provide a one-stop solution for start-ups focusing in the area of chip design. The vision of this incubator is to create an ecosystem wherein the incubates are not only provided with the relevant infrastructure, hardware and software but also are mentored through the path of success with the help of mentors who are pioneers in this field. The grand vision is to leverage the design expertise that exists in India to create Indian IP and to make a mark in chip design internationally.

USPs of FabCI:

- **Location:** Located at IIT Hyderabad amidst a well nurtured entrepreneurial ecosystem comprising two more incubates and Technology Research Park
- **EDA tools:** Access to full suite of Cadence and Mentor Graphics
- **Characterization:** Access to state of art characterization facilities
- **Prototyping:** TSMC foundry access through MUSE semiconductors
- **Human Resources:** Well Trained Human Resources
- **Networking:** Access to VCs and Angel Investors