



Adi Shankara

INSTITUTE OF ENGINEERING AND TECHNOLOGY

Approved by AICTE & Affiliated to APJ Abdul Kalam
Technological University

(Owned by Adi Sankara Trust)

BEST PRACTICE - I

ADI SHANKARA
INSTITUTE OF
ENGINEERING & TECHNOLOGY



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INSTITUTE OF ENGINEERING AND TECHNOLOGY, KALADY

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Vidya Bharathi Nagar, Kalady, Ernakulam, Kerala

www.adishankara.ac.in

Adi Shankara Centre for Innovation, Incubation and Entrepreneurship

1. The Context

Central and State governments, AICTE have been initiated many schemes to foster the culture of Innovation and entrepreneurship among students. Higher education institutions must support, motivate, and develop young students by giving them the tools they need to work on novel concepts and turn them into products that can be sold.

In order to create a new innovative India, the Student Entrepreneurship Programme will act as a catalyst and aid in accelerating the entrepreneurial path of the young innovators. ASIET is extremely interested in supporting student-driven innovations and start-ups and in involving students and professors in these endeavours on campus.

To encourage the spirit of entrepreneurship among our students, faculty and public by providing environment for innovation and support system for entrepreneurship ASIET has established a Centre for Innovation, Incubation and Entrepreneurship (CIIE) department within 10000 sqft space. It consists of Fabrication Lab, Innovation Entrepreneurship Development Cell (IEDC) and Business Incubation facility for taking up the entrepreneurial journey to next level. We offer Pre-Incubation, Incubation and Accelerations programs to our students and interested alumni to enrich aspiring entrepreneurs in them.

2. Objectives of the Practice

- Inculcating entrepreneurial culture in all through research and innovation driven attitude by initiating by our student, faculty, alumni and outside startups.
- To conduct various innovation and entrepreneurship-related activities.
- Organize periodic workshops/ seminars/ interactions with entrepreneurs, investors, professionals and create a mentor pool for student innovators.
- Arrange interaction with entrepreneurs and create a mentorship scheme for student entrepreneurs.
- Network with peers and national entrepreneurship development organizations
- Incubator to foster products and technologies for societal and environmental applications with focus on rural empowerment
- Providing a facility for people without formal education to undertake development of prototypes.



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- Hold hackathons, concept competitions, mini-challenges, and other events with the participation of many industries.

3. The Practice

The National Student Startup Policy, developed by the All India Council for Technical Education (AICTE), seeks to generate one million job opportunities and one lakh student start-ups using technology by the year 2026. Plans are being developed to create a strong inter-institutional relationship among technical institutions and the perfect entrepreneurial ecosystem in order to carry out this purpose.

ASIET has a startup and innovation policy that is intended to direct HEIs in fostering student-driven inventions and start-ups and to involve students and faculty in innovation and start-up activities on campus. Innovation and Entrepreneurship Development Centre, Adi Shankara TBI, Institutions Innovation Council (IIC), Industry Institute Partnership Cell actively contribute to the innovation and entrepreneurial journey of the ASIET.

- ASIET have kick started our student entrepreneurship journey in 2015 from 300sqft space and right now we have formed Centre for Innovation, Incubation and Entrepreneurship (CIIE) department within 10000 sqft space consisting of Fabrication Lab, IEDC and Business Incubation facility for taking up the entrepreneurial journey to next level.
- ASIET has, State of Art FAB lab for digital fabrication. Both faculty and students may use this lab to work on projects involving any type of creative design. All technological fields are welcome here, as well as authorised external partners.
- Adi Shankara IEDC has a proven track record in mentoring student innovations to scalable startups. We offer Pre- Incubation, Incubation and Accelerations programs to our students and interested alumni's to enrich aspiring entrepreneurs in them. As a result, we are enriched with 6 startups and 20+ commercialized products from our campus.
- The Industry Institute Partnership Cell (IIP Cell) ASIET provides a platform to the Institute and the industries. The industry gets assistance of dynamic student force as well as guidance of expert faculties in R&D and for solving their complex problems.
- As a part of enhancing the innovation eco system among school children organizing an innovation challenge named Adi Shankara Young Scientist Award for the past 3 years where the winners get an opportunity to visit NASA, USA.
- Adi Shankara IEDC in association with HACK CLUB, USA conducted an International MLH Local Hackathon for both school and college students



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- In order to encourage female entrepreneurship, Adi Shankara IEDC in association with 4Tune Factory conducted a series of Women Empowerment through Entrepreneurship Workshops (Prayaana) for girl students of ASIET.
- As a part of 'Mentoring our campus startups' Adi Shankara IEDC conducts an Alumni Entrepreneurs Conclave. It's a platform for our Alumni Entrepreneurs to share their stories and experiences, which got reflected as a strong mentoring mechanism.
- IEDC also conducts Faculty Development Programs (FDP) like IPR, PATENT, Latest Technologies, and Entrepreneurship Training for enhancing the interest of our faculty members towards Entrepreneurship.
- Organizing Idea challenge among students to identify potential student projects, mentor and fund them to convert it in to a marketable product.
- In order to strengthen the technical skill sets of the student community Adi Shankara IEDC conducted a series of Workshops on Latest Technologies like Robotics, Artificial Intelligence, Engine Assembly, Drone Making, Fab Lab basics and 3D printing, Android app development, Web Development, Virtual reality Game Development etc.

4. Evidence of Success

- Currently 10 of our alumni startups named ICube Design Studio, PenserLabs, RIOD Logic, Edith Industries, Green Bay, Machbee, Charity Monk, Hexify Technologies, Zonst, AIYGON got incubated in Adi Shankara TBI. Notable achievement is that out of the 10 incubated startups Alygon and Edith Industries where only Women Startups, which really reflects the women empowerment through entrepreneurship initiatives of our campus.
- 56 patent applications, 36 industry institute collaborations and external funding for product development
- Organized young scientist award to school students and winners were sent to NASA.
- ASIET IEDC was recognized with the LEAP Centre (Leadership in Entrepreneurial Assistance Program) from the Kerala Startup Mission in 2023. The LEAP Centre is a prestigious recognition awarded to IEDCs that have demonstrated a high level of performance in promoting and supporting student entrepreneurship. ASIET is one of the five institutions in Kerala to receive the LEAP Centre recognition.
- Among the 216 IEDC's in the state, Kerala Startup Mission has selected Adi Shankara IEDC Bootcamp as the best IEDC in the state till 2021.
- Kerala Startup Mission has recognized our IEDC as Technology Business Incubator in 2022.



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- Considering the notable contribution to the startup ecosystem Adi Shankara IEDC have also received the Entrepreneurship Enabler Award 2018 from the Kerala Startup Mission.
- Evaluating our IEDC performance, Kerala State Industrial Development Cooperation have sanctioned Business Incubation Centre at Adi shankara in 2019. In 2021 ASIET got recognized with MSME Business Incubation Centre by Govt of India.
- We also received the Best Fab Lab Award in the state in the year 2019.
- Kerala Startup Mission listed the Adi Shankara IEDC as one among the 31 Performing IEDC's in the State On 08th March, 2018
- ASIET FABLAB Received "TOP PERFORMER AWARD 2019-20" from Kerala startup Mission.
- Products developed in FAB lab won prizes in national events.
- Best Fab Lab Award in the state in the year 2019.
- During pandemic situations we have developed automatic hand sanitizer units, Pulse oximeters, ventilator units etc.

5. Problem Encountered and Resources Required

The first step in the entrepreneurship process is to properly identify and choose potential entrepreneurs because not everyone has the capacity to become an entrepreneur. Even though students have innovative ideas and supportive environment most of the students are opting employment rather than Entrepreneurship. New government policies and new education policies on students' entrepreneurship will help to overcome this problem.

6. Conclusion

Our Business Incubation Centre has served as a platform for the development and implementation of several entrepreneurial attempts and many has succeeded generating a total revenue of around 3 crores and employment for many. We are proud to see our students perform well as entrepreneurs too.