Number of university spin offs

The Kalasalingam Technology Business Incubator (KTBI) was established in the year 2015, which was started as Innovation and Entrepreneurship Development Centre (IEDC) with the support of NSTEDB National Science and Technology Entrepre-neurship Development Board (NSTEDB), Department of Science and Technology (DST), New Delhi. Students and faculty are motivated to convert their innovative ideas to product with the support of upto 10 Lacs from KTBI under IEDC scheme, which strengthens the entrepreneurial ecosystem. To add the feather on the cap recently our KTBI is recognized by MSME under the scheme "Support for Entrepreneurial and Managerial Development of MSME's through Incubator" with the fund support of 02.5 Crores.

With the financial support from the government scheme and from our institute, many startup companies have successfully graduated and established their company and in the position of offering jobs to many graduates. More than pat-ents are filed from the incubatees. Apart from supporting the startups in converting the ideas to prototype and making them as successful employers , institute provides the physical office space and mentorship to many startup companies in term of technical and financial pro-cedures. Regular mentoring and training from the industry experts and experts from financial institutions are arranged for enhancement of the business opportunity and visibility of the startups in widespread. Also, our incubator is arranging various activities and awareness camps related to Entrepreneurship, Technology-based Innovation, and Idea to Product contests for the students for many years. As an outcome of those activities, Mentoring and Funding, the students have started 10 technology-based start-up companies in the last three years within the campus and they are started generating revenue income. Apart from the Financial Grants from the Government of India, our incu-bator helps in getting loans from banks to establish their companies in a large set-up. And also. this Centre keeps on sup-porting the Alumni Entrepreneurs through various aspects through guiding them related to Technological-based problems to the solution, Marketing, and even Financial assistance.

Stakeholders

- Students & Faculty Members
- SME's and Startups
- National Science & Technology Entrepreneurship Department of Science and Technology Development Board (NSTEDB)
- Entrepreneurship Development Institute of India, Ahmadabad
- MoE's Institution's Innovation Council
- ISBA – Indian STEP & Business Incubator Association
- Unemployed youths
- Ministry of Micro. Small and Medium Enterprises
- Department of Science and Technology
- Entrepreneurship Development and Innovation, Chennai
- Startup India

KARE Start-Up Policy

Faculty members and students of KARE are occupied in knowledge discovery and dissemination. Wherever possible, the outcomes from R&D exercises carried out by our members are expected to get translated into commercial products. KARE encourages enthusiastic faculty members to start companies, be on the committee of companies in positions such as Di-rector, Chairman, CEO, Technical Advisor, etc. While allowing such a role, KARE assumes that faculty members will make all efforts to balance their academic responsibilities. The general guidelines for the start-up activities are listed below.

- KARE raises funds for start-up support and provides incubation support on both financial and non-financial basis based on the merit of the project proposal.
- Not exceeding the number of days of non-institute activities. a faculty member may take a sabbatical leave (one semester or an academic year) for working full-time in the business or appropriate/pool the days allocated for consultancy work to the company. Faculty members are required to support their start-up/company managerial engagements without affecting his academic engagements on full-time active duty in the institute. This will also apply to the students/employees involved in these activities. A faculty member should clearly distinguish on-go-ing institutional research from work being conducted at the company.
- Trainees, fellows, and students can be assigned to research projects that will lead to a direct -financial benefit for the faculty member or company with appropriate permission from KARE.

- By paying the necessary overhead charges. a faculty member can get permission to run a project that could be conducted at KARE and could be managed through her/his company.
- KARE permits the use of laboratories, library and other such facilities by the founding KARE member. In return for services offered (space, laboratories, library mentorship. seed fund, accountant, and legal and patent support) and use of facilities at KARE or KARE's incubation unit may take 2 to 9.5% equity/stake in the start-up/company incubated. In case of staff is drawing a salary from KARE, KARE's stake/equity on start-up is limited to 20% of the total share of staff or 9.5% of the total stake, whichever is the minimum.
- KARE does not interfere with the IP rights for the technology developed by the company; however, liability-free equity may be retained by the institute based on the use of the KARE resources. If the fund and/or resource of KARE used substantially, then IPR should be made jointly by KARE and inventor and license together and revenue sharing among the parties.
- In case of a conflict of interest, the Vice-Chancellor can appoint a five-member review committee to check the appropriateness. The decision of KARE would be final and binding.

Programmes

Kalasalingam TBI & Innovation and Entrepreneurship Development Centre frequently arrange programmes & activities to motivate and encourage students to become potential entrepreneurs. Aspiring & Alumni Entrepreneurs Meet (AAEM), Entrepreneurship Orientation and Awareness Camps, Entrepreneurship Development Programs (EDP), Faculty Development Programs, Technology Entrepreneurship Development Programs (TEDP), hackathons, boot camps, ideathons, etc are the varied events that are promoted within the campus to extend the number of start-ups consistent with student ideation during a group or as individuals. KARE IEDC & TBI takes an active role in celebrating the events like Innovation Day, Start-up Rendezvous, World Entrepre-neurs Day, etc to frequently inhibit and encourage the studentpreneurship within the early stages and participate in exter-nal competitions on Ideation, Product Developments, Start-up events at the national level and international levels.

Entrepreneurship Awareness Camp (EAC)

To create awareness among faculty and students of Engineering and Science courses about various facets of entrepre-neurship as an alternative career option as also to highlight the merits of pursuing such an option.

Entrepreneurship Development Programme (EDP)

To train the S&T graduates and the diploma holders in the essentials of conceiving, planning, initiating, and launching an economic activity or an enterprise successfully.

Technology-Based Entrepreneurship Development Programme (TEDP)

A Technology-Based EDP primarily focuses on the training and development need of S&T entrepreneurs in a specific tech-nology area (for example, Leather. Plastic, Electronics & Communication, Fragrance & Flavour, Instrumentation, Sports Goods. Biotechnology, IT Computer Hardware, Food Processing, Bio-medical Equipment, Glass & Ceramics, Jute Products, Sustainable Building Materials, Herbs & Medical Plants Processing, etc.). The participants are provided with hands-on training in indigenous technologies developed by R&D institutions that are available for commercial exploitation.

Faculty Development Programme (FDP)

A Faculty Development Programme (FDP) is designed to train and develop professionals in entrepreneurship development so that they can act as resource persons in guiding and motivating young S&T persons to take up entrepreneurship as a career. Through each FDP, 15-20 faculty members of Science and Engineering colleges, Polytechnics, and Entrepreneur-ship Development Organisations are trained for 2 weeks.

Financial Support

Firstly, we get financial support from our Institution management. We get support from the Department of Science and Technology, Government of India, Entrepreneurship Development Institute of India, Ahmedabad , and we also get finance from the Ministry of MSME. , Entrepreneurship Development Institute of India, Ahmadabad provides financial support for conducting entrepreneurship awareness program, technology entrepreneurship development program towards entrepre-neurial promotion for students and faculty members under the scheme "DST-NIMAT " grant worth Rs.14.80 Lakhs. Depart-ment of Science and Technology provides support for the Idea to the Product development program for students under the scheme of IEDC grant worth Rs.45.30 Lakhs. They also support Product commercialization for students Start-Ups under the scheme "Start-Up NITHI " grant worth Rs. 1.04 Crores. Ministry of MSME gives support to the start-ups, SMEs, and stu-dents team for the Product commercialization process under the scheme "Support for Entrepreneurial and Managerial De-velopment of MSMEs through Incubator " grant worth Rs.2.5 crores. The government of Tamilnadu supports the start-ups and SMEs for the Product Development and commercialization process under the scheme of "Innovation Voucher Pro-gramme " grant worth Rs 2 to 5 Lakhs through Entrepreneurship Development and Innovation Institute, Chennai.

Number of university spin offs = 82

9.4 Research income from industry and commerce

Collaboration with Elmack Engg Services

The purpose of this memorandum is to formalize the collaboration between ACIC-KIF and Elmack Engg Services with regard to cooperation projects with a view to converting advanced research into commercial applications leading to economic growth and job creation. This entails conceptualization and joint implementation of projects and programs, training, exchange visits, conducting outreach programmes, sharing leading practices and networking among others..
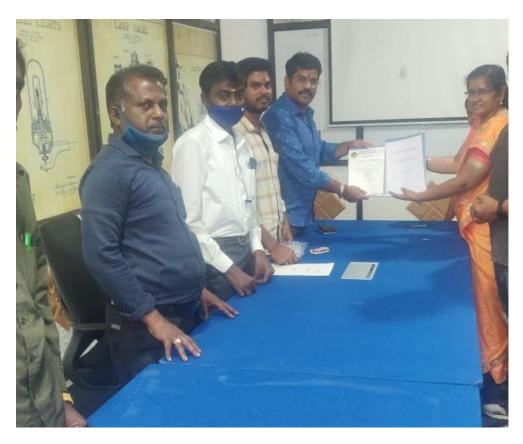

Collaboration with Div By Zero

The purpose of this memorandum is to formalize the collaboration between ACIC-KIF and Div By Zero Technologies with regard to cooperation projects with a view to converting advanced research into commercial applications leading to economic growth and job creation. This entails conceptualization and joint implementation of projects and programs, training, exchange visits, conducting outreach programmes, sharing leading practices and networking among others.

Collaboration with Neidhal Cadet Services

The purpose of this memorandum is to formalize the collaboration between ACIC-KIF and NEIDHAL CADET SERVICES with regard to cooperation projects with a view to converting advanced research into commercial applications leading to economic growth and job creation. This

entails conceptualization and joint implementation of projects and programs, training, exchange visits, conducting outreach programmes, sharing leading practices and networking among others.

Collaboration with Laghu Udyog Bharati

The purpose of this memorandum is to formalize the collaboration between ACIC-KIF and Laghu Udyog Bharati with regard to cooperation projects with a view to converting advanced research into commercial applications leading to economic growth and job creation. This entails conceptualization and joint implementation of projects and programs, trainings, exchange visits, conducting outreach programmes, sharing leading practices and networking among others.

Collaboration with C-DAC

This Memorandum of Understanding between the C-DAC and ACIC-KIF is intended to facilitate a collaborative program of research and development, joint product development, training programs for targeted and general population, broader cooperation in using emerging technologies for transforming innovative ideas to commercial products, and IP generation for the nation on the whole. Another aspect of the MoU is the sharing of resources with mutual agreement for the benefit of the country towards targeted population. The linkage hereby formed shall further strengthen each party institution's objectives as well as the mutual relationship between them.
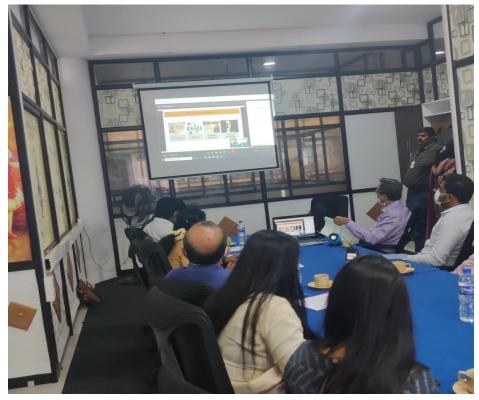
Collaboration with CurioKidz

The purpose of this memorandum is to formalise the collaboration between ACIC- KIF and CurioKidz with regard to cooperation projects with a view to converting advanced research into commercial applications leading to economic growth and job creation. This entails conceptualization and joint implementation of projects and programs, trainings, exchange visits, conducting outreach programmes, sharing leading practices and networking among others.

Collaboration with National STEM Education Foundation

The purpose of this memorandum is to formalize the collaboration between ACIC- KIF and National STEM Education Foundation with regard to cooperation projects with a view to converting advanced research into commercial applications leading to economic growth and job creation. This entails conceptualization and joint implementation of projects and programs, trainings, exchange visits, conducting outreach programmes, sharing leading practices and networking among others.

Collaboration with Shree Rapid Technologies

The purpose of this memorandum is to formalize the collaboration between ACIC- KIF and with Shree Rapid Technologies regard to cooperation projects with a view to converting advanced research into commercial applications leading to economic growth and job creation. This entails conceptualization and joint implementation of projects and programs, trainings, exchange visits, conducting outreach programmes, sharing leading practices and networking among others.

Research income from industry and commerce by subject area:

1. STEM   : ₹152,255,000

2. Medicine   : ₹79,121,000

3. Arts & Humanities / Social sciences : ₹62,971,000

Total   : ₹10,163,000

Number of academic staff by subject area:

1. STEM   : 359

2. Medicine   :61

3. Arts & Humanities / Social sciences :188

Total   : 608