



# India Innovation Growth Programme 2.0

**IIGP 2.0 Secretariat, India**

<http://www.indiainnovates.in>

The India Innovation Growth Programme (IIGP) launched in 2007, is a public-private partnership between Government of India's Department of Science & Technology (DST) and Lockheed Martin Corporation. The goal of the Programme is to build an innovation pipeline in India. The Programme successfully completed its 10th year in 2016 and has been one of India's longest standing public-private partnerships. In line with Government of India's push towards start-ups, the program has been revamped to address specific challenges faced by innovators and entrepreneurs in terms of scaling their innovations. Tata Trusts has joined the new program, branded as IIGP 2.0, with a focus on innovations that have strong societal impact and cutting edge industrial innovations.

The Programme has provided mentoring and handholding assistance to over 400 innovators coming from diverse sectors from across the country during the past decade with the help of partners including Federation of Indian Chambers of Commerce and Industry (FICCI), Indo-US Science and Technology Forum (IUSSTF), IC2 Institute at the University of Texas at Austin, Stanford Graduate School of Business and TiE Silicon Valley. The Programme has generated over 350 commercial agreements, and over \$900M of economic value for India during the past decade. (Source: Second Impact Analysis Report by Ernst & Young in 2015).

IIGP 2.0 includes several new partners including the Tata Center for Technology and Design at the Massachusetts Institute of Technology (MIT), Center for Innovation Incubation and Entrepreneurship (CIIE) at Indian Institute of Management - Ahmedabad (IIM-A) and Indian Institute of Technology – Bombay (IIT-B).

IIGP 2.0 continues to nurture the Indian innovation ecosystem and contribute to the Government of India's missions of "Make in India" and "Startup India" through a new tripartite partnership between Government of India's Department of Science and Technology, Lockheed Martin and Tata Trusts. Tata Trusts through its Foundation for Innovation and Social Entrepreneurship (FISE) will accelerate and innovate selected innovators, to implement social innovations and provide infrastructure assistance to scale up. It aims to enable entrepreneurs to develop technology-based solutions for the betterment of society, as well as to accelerate innovative Indian technologies into the global marketplace through assisting incubation, teaching excellent commercialization strategies and providing elite business development assistance.

IIGP 2.0 now has two separate tracks viz. University Challenge and Open Innovation Challenge, each focusing on identifying and supporting both industrial and social innovations. Two annual parallel challenges will be run supporting innovations through:

- Phase A: Ideation
- Phase B: Innovation
- Phase C: Acceleration

## Programme benefits

### Ideation phase

Top 30 University teams will receive mentoring by IIT-Bombay on presenting ideas to a panel and an opportunity to pitch ideas at an IIGP Innovator Showcase event.

Top 10 selected teams will receive research grants of INR 10 Lacs for developing a concept/prototype, an opportunity to participate in a Design Thinking workshop, mentorship and periodic feedback.

### Innovation phase

Top 10 teams will participate in an IIM-Ahmedabad boot camp and receive further mentoring by IIGP partners.

Top 4 teams will be awarded research grants of INR 25 Lacs each enabling them to advance to Phase C: Acceleration where they will work in parallel with teams from the Open Innovation Challenge.

- The top 50 innovators will get an opportunity to participate in a rigorous boot camp conducted by IIM, Ahmedabad.
- The top 10 innovators will undergo an incubation process. Companies in incubation will receive seed funding as well as mentoring support to enable them to accelerate market penetration and scale-up operations. They will also get an opportunity to travel and interact with scientists, technology experts, entrepreneurs, and investors from our partner ecosystem in Silicon Valley and MIT.
- Access to network of sponsors, mentoring, hands on support in building the enterprise from people who have done it before, and support for pilots/tests in India.
- Participate at Demo Days organized under the Programme to showcase your technologies to investors.

### Acceleration phase

The top 4 teams will receive additional funding to accelerate their entry to market. They also have access to the network IIGP 2.0 programme offers as described above.



# Strategic-based innovation in Thailand

## National Innovation Agency, Thailand

<http://www.nia.or.th>

### Innovation for kitchen to the world

Thai food is popular in more than 93 countries and ranked as one of top four cuisines in the world. However, it is found that taste and flavors are deviated from the authentic ones. To solve these problems and promote Thai food industry, Thai Delicious is established with the integration of Home Economics, Food Science and Technology, and Sensory Evaluation. It will also provide food innovative services and generate its own business models and networks. The National Innovation Agency (Public Organization) (NIA) has been assigned by the Ministry of Science and Technology to manage this project with its goals as follows:

1. Develop Thai recipes with authentic tastes to be standard recipes. Be the center of these standardized recipes.
2. Develop the biosensor equipment to analyze and evaluate taste and flavors.
3. Develop the institutional food (ready-to-cook products) based on the standardized recipes to serve the demand of Thai food in foreign countries.
4. Provide food certification service and the training hub for local and foreign chefs working in Thai restaurants worldwide

### Organic agriculture business

“Organic Agriculture” as defined by the International Federation of Organic Agriculture Movements (IFOAM) means the production system that focuses on the sustainability to the health, soil, ecosystems and human by using the ecological processes, biodiversity and natural cycles that have different characteristics of each area instead of using inputs that have negative impact on the organic agriculture system. Organic Agriculture is the combination between folk wisdom, innovation and scientific knowledge base on environmental conservation as well as the promotion of fair relationships and the quality of living organism within such environment.

NIA has initiated innovative agriculture business which is the important strategic projects since 2005. The project has started as the project-oriented agriculture policy of Thailand that received support from international commerce under the UNCTAD/WTO in project titled “Strengthening the Export Capacity of Thailand’s Organic Agriculture” during 2005-2006. Meanwhile, NIA has supported innovative projects titled “The production of organic asparagus” to confirm the strategic framework of organic development and be practical operated in term of business. From this operation,

the Ministers has acknowledge the results from NIA performance, on August 7, 2007 and assigned to the Office of National Economic and Social Development Board (NESDB), responsible for the establishment the “National Organic Agriculture Development Committee” and the establishment had been approved by the Cabinet on October 16, 2007. On 2008-2011, NIA was assigned by the “Board of Directors of the National Organic Agriculture Development” to be the subcommittee and secretary for the management of knowledge and innovation in organic agriculture. The National Organic Agricultural Development has developed a draft strategic plan for the National Organic Agriculture Development years 2008-2011 and has approved by the Cabinet on January 22, 2008. The cabinet has approved the national budget for 4,326.80 million baht on May 6, 2008 by assigning the various departments place the plan and project under this action plan within 4 years plan.

### Biomedical industry

“Biomedical Industry” is an industry that involves development of medical technology and devices including software and any other services that intended for use in the diagnosis, treatment, prevention and monitoring of disease in patient, disabled person or elderly. It is an interdisciplinary fields of medical science, engineering and any other health related fields. NIA has set up the framework to support the innovation projects in 3 programs as follows:

- **New product design support:** This project involves designing new medical products to meet different user requirements.
- **Clinical trial:** This project involves safety and efficiency testing of medical products which are in clinical trial phase.
- **International standard accreditation support:** This project involves the international standard accreditation process of the available products that aim for export.

### Clean energy industry

NIA has cooperated with the Energy Policy and Planning Office (EPPO), under the Ministry of Energy, in accordance with the Memorandum of Understanding to develop and support Thai alternative energy companies. Under this MOU, the “Biomass Gasification Pilot Plant for Community” was established and implemented under NIA’s management. The project objective is to incentivize Thai companies to invest in the biomass-to-energy business, using gasification technology, through a funding mechanism. In addition, this project conforms to the National Strategy and the AEDP (2012-2021).