



# **KERALA DEVELOPMENT INNOVATION STRATEGIC COUNCIL (K-DISC)**

**YIP STRATEGY DOCUMENT  
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# **Young Innovators Programme (YIP)**

**Kerala Development and Innovation  
Strategic Council (K-DISC)**



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## Annexure 1

### I. Objectives of the Programme:

The Young Innovators Programme (YIP), a flagship programme of K-DISC in its innovation segment, aims to empower future innovators to innovate new products, services or models to meet emerging requirements, unarticulated needs, or existing market needs of the society more effectively through specially designed challenges.

### II. Sponsor of the Program

The Government of Kerala formed the Kerala Development and Strategic Council (K-DISC) with a mandate of promoting innovation in the State. The overall focus of K-DISC is to identify and nurture a critical mass of innovations in the State and to provide appropriate institutional linkages to the selected innovations. K-DISC facilitates creation of an integrated ecosystem for innovation in government and work towards complementing the roles of other agencies in the state promoting innovation and entrepreneurship. The Young Innovators Programme is a part of the open innovation strategy<sup>1</sup> that is adopted by K-DISC towards this objective. Through the open innovation strategy K-DISC established an Idea Exchange<sup>2</sup> which will integrate challenges like YIP to the K-DISC innovation ecosystem. A broad spectrum of problem areas and solution domains that are of interest to K-DISC is provided in Annexure 1. The problem areas identified by K-DISC broadly converge with the focus of Navakeralam the mission programme launched by the government of Kerala in 2016. However, the ideas, prototypes or processes proposed in YIP challenges need not necessarily be limited to these. A sample of the type of innovations is provided in Annexure 2. YIP is sponsored and managed under the auspices of K-DISC. Resources for the programme are primarily provided under plan grants for K-DISC, which are sought to be

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<sup>1</sup> Open innovation is a distributed innovation process based on purposively managed knowledge flows across organisational boundaries, and values sharing of knowledge without contradicting intellectual property.

<sup>2</sup> Idea Exchange is an online collaborative community networking with peers and mentors and work together to solve problems of common interest.

augmented by funds from foundations and Corporate Social Responsibility Funds.

### III. Thrust of the Program

The first YIP Tranche - YIP 2018-21 tranche was modelled on the lines of the programmes of the National Science Foundation (NSF) of United States. Emulating the rigorous and thorough merit review process of the NSF, YIP was expected to achieve its objectives through the following activities:

1. Enhancing identified youth with design thinking<sup>3</sup>, collaborative, creative problem solving and leadership skills
2. Empowering and building youth through immersive programmes to Learn, Empathise, Accelerate and Disrupt. (LEAD)
3. Mentoring them and intensifying networking to build a product or develop a process for showcasing in the Young Innovators' Challenge.
4. Certifying promising innovations and attaching the young innovators to research institutions in related areas with scholarships for 1 year.
5. Tracking these young innovators and linking them to institutions, industries, enterprises and prospective funding agencies.
6. Build a strong pool of mentors to identify, assess and track innovations as well as provide young innovators the necessary academic, domain specific as well as psycho-social support necessary through the process.

Built up on the overall focus outlined in 2018, the YIP 2019 -22 tranche firmed itself around a philosophy of situated cognition<sup>4</sup> and design-based learning, and a massive, open, inclusive, collaborative, institution-based program aimed at identifying and nurturing young innovators. The overall design and structure of the YIP 2019 evolved from the following underlying **strategies**.

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<sup>3</sup>**Design thinking** is a creative problem solving method. It makes use of elements like empathy and experimentation from the designer's toolkit to arrive at innovative solutions.

<sup>4</sup>**Situated cognition** is a theory that argues that knowing is inseparable from doing, by arguing that all knowledge is situated in activity bound to social, cultural and physical contexts. Knowledge and learning according to this model requires thinking on the fly rather than the storage and retrieval of conceptual knowledge. Cognition cannot be separated from the context. Knowing exists, *in situ*, inseparable from context, activity, people, culture, and language. Therefore, learning is seen in terms of an individual's increasingly effective performance across situations rather than in terms of an accumulation of knowledge, since what is known is co-determined by the agent and the context.

1. To prepare the next generation of youth in Kerala for the 4<sup>th</sup> Industrial Revolution<sup>5</sup> and helping them apply Industry 4.0 related skills in addressing Kerala's developmental issues.

To imbibe the next Industrial Revolution skills and apply them within an overarching framework of design thinking for applying acquired Sciences, Technology, Engineering, Arts and Mathematic (STEAM) skills in order to solve open questions, and hard “wicked” problems<sup>6</sup>, complex challenges, overcome local and hyper local developmental issues. The future of Kerala is bright and exciting, replete with formidable challenges and opportunities. YIP 2019 is designed to equip, nurture and develop, in these young innovators, the requisite skills and tools that will be imperative to secure a vibrant future for Kerala.

2. To innovate embodying the hopes and aspirations for a brave new Kerala.

Confronted with second-generation issues in many key sectors, Kerala is facing challenges of providing holistic health care, employment-oriented skilling, enhancing quality of education, high quality social security, continued food and nutrition security with a pro-poor bias, gender justice and inclusion of outliers, all within severe fiscal constraints. The state also must address decades of infrastructure deficit and make rapid strides in cutting edge areas of knowledge revolution and tourism without infringing upon its fragile environment and impacting adversely upon its biodiversity. In the above context Innovation emerges not only as an engine of prosperity, competitiveness and an ingenious mechanism of real-life problem solving but as the act of creating extraordinarily new values in unusually original ways.

3. To build a conducive **Innovation Ecosystem**.

Innovation is the resulting interplay of industry, research, academia and civil society and needs a conducive environment for ideation, design and application. An institution-based approach shall be followed, where Industry, Research Practitioners, Teachers and Professionals are actively involved end-to-end in adopting and inculcating the process of innovation systemically. The

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<sup>5</sup>The phrase **Fourth Industrial Revolution** was popularly introduced by , the executive chairman of the World Economic Forum, Klaus Schwab. Emphasizing on advances in communication and connectivity, Schwab refers to cyber-physical systems (technologies that combine hardware, software, and biology) as the basis of this fourth era.

<sup>6</sup>A **wicked problem** is a problem that is difficult or impossible to solve because of incomplete, contradictory, and changing requirements that are often difficult to recognize. It refers to an idea or problem that cannot be fixed, where there is no single solution to the problem. The use of the term “wicked” here has come to denote resistance to resolution, rather than evil.

emphasis on mentorship and interactions with domain experts and professionals through Communities of Practices (CoPs)<sup>7</sup> are also meant to establish exciting spaces for innovators with sustained support for problem solving.

4. To promote **diversity, inclusion and collaboration.**

Diversity and Inclusion are proven drivers of Innovation - enabling out-of-the-box thinking and bringing together multiple perspectives and skills. Collaboration is also key to driving Innovation, and YIP Challenge 2019 will try and encourage collaboration amongst the innovators through team or group-based participation. Nevertheless, individual entries shall also be screened for consideration based on the ingenuity and exceptional quality of submitted ideas. Every individual who is passionate about an idea will be given the opportunity to explore them. Grit and passion, the spirit of enquiry and inquisitiveness of the individuals as well as the teams will be critical attributes for assessment.

The YIP 2020 - 23 tranche built on the same model envisaged in the 2019 -22 tranche.

The YIP was identified as one of the key thrust areas for innovation by the Government of Kerala and an increased allocation of resources was budgeted for the year 2021. The YIP 2021 -23 tranche is now envisaged to be the biggest tranche till date and the infrastructure is being enhanced to support the same.

The following are the key improvements outlined for YIP 2021 -23 tranche

- Understanding of Customer Needs before outlining the problem was identified to be one of the areas where an intervention was required. To address this, a self-administered Voice Of Customer training module is being planned for all participants of the program. This module will have actions which the ideators will have to complete prior to submission of the idea.
- The Community Of Practices is being tasked with creation of a Problem Shelf<sup>8</sup>.

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<sup>7</sup>A Community of Practice (CoP) is a group of people who share a craft or a profession. A CoP can evolve naturally because of the members' common interest in a particular domain or area, or it can be created deliberately with the goal of gaining knowledge related to a specific field. It is through the process of sharing information and experiences with the group that members learn from each other, and have an opportunity to develop personally and professionally.

<sup>8</sup> A Problem Shelf is a set of problems which are identified by the Community of Practice. These problems are well defined and reviewed by the Practitioners and a problem canvas has been developed for the same.

The problem shelf will then be made available to the ideators. The ideators can then choose from the problem shelf and provide a solution to the idea. The Community of Practice professional will be available to guide the ideators throughout the process.

#### **IV. The strategy adopted**

The overall strategy for the 2018 - 21 Tranche comprised of the following.

1. K-DISC has used scouting agents, agencies and institutions with excellent credentials and track record and who are engaged in the process of identifying ideas in innovation. These agencies will be relied on to undertake the first level of screening of potential talent.
2. K-DISC has undertaken a process of selection from among the student identified under the various streams.
3. Agencies and institutions organising state level knowledge fests, science fairs, work exhibitions, and innovation talent hunts for high school and higher secondary levels in Kerala for at least five years continuously with multi-level merit-based and transparent selection processes were involved.
4. Such agencies were certified by any one of the following government departments involved in human resources development of children and youth.
  - a) Kerala State Council for Science Technology and Environment.
  - b) Directorate of Technical Education
  - c) Directorate of Higher Secondary Education
  - d) Directorate of Vocational Higher Secondary Education
  - e) Directorate of Industrial Training
  - f) Directorate of Collegiate Education

based on the following broad conditions:

- i. There should be a multi-level screening process involving two or more levels.
- ii. The focus should be on real life problem solving using Science Technology Engineering, Arts and Mathematics(STEM), the term science encompassing social sciences as well.
- iii. There shall be focus on assessing overall creativity of students preferably using through Multiple Intelligence Assessment Metrics.

Based on the experience of the 2018-21 for the 2019 -22 Tranche the programme was broadened to cover the higher education institutions more thoroughly by

reaching out through the various Universities in Kerala including Kerala University, Mahatma Gandhi University, Cochin University of Science and Technology, Calicut University, Kannur University, Kerala Technological University, Kerala Agricultural University, Kerala Veterinary and Animal Husbandry University, Kerala University of Fisheries and Ocean Sciences, Kerala Health University, Thunchath Ezhuthachan Malayalam University, National University of Advanced Legal Studies and the Sree Shankaracharya University of Sanskrit, Kalady and the various deemed universities in the State. An effort was made to rope in students from CBSE Schools, ICSE Schools, Technical Schools and also students learning nursing, para medical sciences etc. There was an extended focus on law, arts, humanities, social sciences, management, life sciences, agriculture and medical sciences, applied sciences etc. beyond engineering and technology. The strategy of selecting innovators based on pre-qualification criteria of selection in science talent tests and similar competitions run by departments and agencies was dropped. Instead a multistage selection process extending up to the district was put in place. The emphasis on individuals were dropped and teams were motivated into collaborative problem solving. During 2018-21 students had been submitting ideas and solutions directly through the K-DISC portal. This system was dispensed with and teams of students were motivated to submit their proposals through the institutions so that there would be continuity.

The 2020 -23 tranche also followed the same structure as the 2019 -22 tranche. The 2021-24 tranche is planned to follow the same process.

#### **V. Who will participate:**

The norms for participation in 2018 -21 was as follows<sup>8</sup>

##### **1. Stream One (Students -Age below 16)**

Students<sup>9</sup> of age less than 16 from government, aided and private schools including technical schools in the state who have reached the penultimate level in a multi-level merit track during the last three years and shortlisted by the District innovation council could submit an innovative idea through the K-DISC idea exchange.

##### **2. Stream Two (Students -Age above 16)**

Students of age more than 16 from Government, Aided and Private Higher Secondary Schools, Vocational Higher Secondary Schools, Technical Schools, Industrial Training Schools and Polytechnics who have reached

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<sup>8</sup> Students in special schools included in the 2018-19 has been dropped because there is a special programme developed by K-DISC jointly with National Institute of Speech and Hearing.

<sup>9</sup>Students include past students who have successfully completed the terminal examination also.

the penultimate level in a multi-level merit track during the last five years and shortlisted by the District Innovation Council were included.

3. Under each of these streams, there were three themes
  - i. STEAM innovation for Business.
  - ii. STEAM Innovation for Societal Advancement.
  - iii. STEAM Innovation through Research

For the 2019 - 22 Tranche it was decided that the Stream Three (Students of Special Schools) need not be included in the programme since K-DISC is running a special programme viz. Innovation for Differently Abled Children. Further the streams have been re-organised as Stream One (Age from 12 to 18) Stream two (Age from 18 to 28). The first stream would be predominantly for Schools and Polytechnics and the second stream for Students from Colleges, Universities and Professional Colleges. One of the major achievements of the YIP 2018 was the good participation of the children from schools, technical schools, vocational higher secondary, industrial training schools and polytechnics, The 2019 -22 tranche wanted to retain this while expanding further into the higher education streams.

The 2020 - 23 Tranche had three categorization of institutions Junior, Senior and Elder Institutions. School & ITI Students were categorized under Junior Institution. College Students under Senior Institutions and Research focused Institutions under Elder Institutions. The same structure will be continued for the 2021 - 24 tranche.

## VI. Programme Design<sup>10</sup>:

For 2018 - 21 tranche the programme design was as follows.

- The overall programme design is as shown below in Figure 1.
- The first tranche for submission of the YIP applications was from 3<sup>rd</sup> May 2018 to 30<sup>th</sup> June 2018. The applications for this tranche were collected through the K-DISC YIP portal from the student innovators with recommendation from the talent scouting agents, agencies and institutions.
- The applications were evaluated by the K-DISC selection team and participants list finalised on 19 July 2018 based on criteria stated below. The selected mentees went through motivational workshops on 29 September 2018 and 10<sup>th</sup> October 2018 at various locations. The

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<sup>10</sup> The initial schedule had to be reworked following the Kerala Floods 2018.

participants attended the pitching workshops on 20, 21 October 2018 and 11 November 2018. Following these further screening was done by a state level jury and a national jury. A total of 204 young innovators have been identified and 35 among them identified as those with better individual attributes to pursue the idea further.

- The selected participants went through two intense immersive boot camps- a fundamentals workshop in February/ March 2019 and an Innovators boot camp in April 2019.
- There was a face to face interaction of the K-DISC core team with the mentors during March 2019.
- The innovators came back mid- way during their mentoring engagement and intense networking facilitated by K-DISC for a design camp during September 2019. The innovators challenge closed with a final design camp and announcement of the best performers in December 2019, eighteen months after the Challenge opening. There was a fast track component for those mentees who have already completed their product or process designs.
- The selected best performers in the four thematic groups in the two streams for main schools shall be awarded one-year Young Innovators Program scholarships and attached to research institutes centers of excellence, incubators, academic institutions to work on K-DISC certified innovations under qualified institutional mentors. The District Innovation Councils will facilitate linking of the innovators in the District with the incubators and help K-DISC in monitoring incubation process effectively. The District Innovation Councils would be interacting with the mentors periodically.
- The innovators shall complete the idea to a prototype during the engagement with the incubators. An evaluation of the innovators shall be done and successful innovators shall be provided a productionisation or scale up grant after an evaluation process jointly with the Kerala Startup Mission.
- If the innovation is of relevance to a government department or a civil society group a process of incubating the innovation in their context would be enabled through an innovation bazaar and a Community of Practice.
- The Accelerated Innovation Track of the YIP 2018- 21 track came to a closure in July 2021 with 5 innovators passing out after demonstrating their innovation to a select panel.

The conversion of the idea to innovation will follow the innovation funnel shown in figure 2.

The design and structure of YIP 2019-2022 tranche has been changed substantively.

## VII. Two Tracks Model .

The YIP 2019 was structured around 2 tracks:

### a. THE MAESTRO CHALLENGE

This track dealt with inter-disciplinary issues or problems which require a multi-faceted approach to find solutions. This track also included socially relevant issues which require intervention in the form of a social enterprise. This targeted students/teams from higher education institutions - senior category institutions.

Universities, Arts & Science Colleges, Engineering Colleges, Agricultural Colleges and Institutions from the field of Translational, Environmental, Biotechnology, Biomedical streams were targeted to form groups and teams across disciplines to participate in this track of the Challenge.

However, there weren't any restrictions for students from schools to participate in this track of the challenge. Institutions/Agencies like IRTC, COSTFORD, Inspiration India, ATREE, and NISH were also involved in the social enterprise methodology.

Individual participation was permitted in exceptional cases based on the merit of the problem statement and ingenuity in approach to problem-solving. For the Maestro challenge the theme for 2019-22 was **“Problems of Children and the Aged in Kerala”** and for the 2020 -23 was **“Post Pandemic Innovations”**

**For 2021-23 the Maestro Challenge theme shall be “Innovation collective and Co-operatives”**

Further to the setting up of the Problem Shelf Approach for the YIP 2021 - 24 tranche, the Maestro Challenge is modified to align with the Problem Shelf approach.

### b. THE STAR CHALLENGE

This track was designed with a rigor suited for solving less “wicked”, focused problems and issues, which don't require much interdisciplinary interaction. Students from Schools and Colleges were encouraged to apply their acquired skills and exposure to enquire into problems of relevance to Kerala as well as critical concerns of the global community. These issues don't

cut across multiple domains and candidates working on these would require domain-specific inputs or support. Individual participation was permitted in this track as well, based on the uniqueness of the problem and novelty of the solution attempted.

#### c. THEMES FOR THE STAR CHALLENGE

The themes for the star challenge 2019-22 was limited to the following:

- a) Technologies and systems for value addition, productivity enhancement and drudgery reduction in traditional industries and systems
- b) Technologies and systems for value addition, productivity enhancement and drudgery reduction in agriculture and allied sectors<sup>11</sup>
- c) Biomedical and Medical devices technology applications and systems
- d) Technologies and systems for water conservation, renewable energy, energy conservation, e-mobility etc.
- e) Solid, liquid and hazardous waste management systems and technologies
- f) Assistive technologies an systems
- g) Complimentary an alternative medicine technologies systems and applications
- h) Business model innovations in application and practice

The themes of the 2020 -23 Star challenge was

- a) Agriculture
- b) Animal Husbandry
- c) Assistive Technology
- d) Business Model Innovations
- e) Energy, E Mobility and Renewables
- f) Climate Change and Disaster Management
- g) Modern Medicine and Bio Medical Technology
- h) Complementary and Alternative Medicine - Unnani, Siddha, Ayurveda, Naturopathy, Homeopathy
- i) Drinking Water, Water Conservation & Management
- j) Solid Liquid and Hazardous Waster Management
- k) Traditional Industries
- l) Problems of the Children
- m) Problems of the elderly
- n) Fisheries

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<sup>11</sup> Covers agriculture, animal husbandry, poultry development, diary and fisheries

- o) Dairy
- p) Yoga

The YIP 2021 -24 tranche adds two additional areas to the above list

- a) Problems of the Marginalized
- b) Biotechnology and Genetics
- c) Digital and Creative Art forms
- d) Innovation collectives and Co-operatives

#### APPLICATION PROCESS YIP 2019

The YIP 2019 Challenge was open to all students, from every institution, across Kerala. Applicants could apply to be part of the YIP 2019 Challenge in one of the following two ways:

##### 1) INSTITUTION-BASED APPLICATIONS

With notifications and direct communications, K-DISC will invited institutions from all over Kerala to apply to be part of the YIP 2019 Challenge. There was a minimum requirement these institutions have to meet before they could register for the Challenge.

With the consent of their Heads, interested Institutions would register for the YIP 2019 Challenge with at least 2 Teachers or Faculty Members who would be the “FACILITATORS” of the Institution for YIP, if the institution was shortlisted. The institutions could also recommend mentors for the YIP Programme. Further, these institutes had to identify and support groups of students to participate in the Challenge.

##### 2) INDIVIDUAL APPLICATIONS

In cases where the individual is interested in being a part of the YIP 2019 Challenge, but is part of an institution which is not part of the Institutions screened and shortlisted for the Challenge, they were allowed to register provided they submit the consent of their Head/Principal and the Institute to meet the eligibility criteria for the program.

##### 3) INSTITUTIONS & THEIR ROLE

In pursuit of creating an Innovation Ecosystem in the state, K-DISC notified and invited institutions from all over the state, across categories and streams, to register for participation. In order to apply, institutions must meet certain

criteria set out by K-DISC. Due to constraints in resources for the program, institutions were shortlisted based on clearly laid out indicators.

- Institutions identified to be part of the program have been classified into two broad categories:
  - i. Group 1: This would cover the following institutions,
    - Universities
    - Engineering Colleges
    - Medical Colleges
    - Ayurveda Colleges
    - Law Colleges
    - Other Professional Colleges
    - Business Schools
    - Media & Fine Arts Schools
    - Arts & Science Colleges
    - Homeo Colleges
    - Pharmacy Colleges
    - Para Medical Institutes
    - Nursing Schools
    - Dental Colleges
    - Forestry Schools
  - ii. Group 2: This would cover the following institutions
    - Polytechnics
    - Higher Secondary Schools
    - High Schools
    - Industrial Training Institutes
    - Junior Technical Schools
    - Vocational Higher Secondary Schools
    - Sports Schools

#### 4) ELIGIBILITY CRITERIA

Since the Institutions are envisioned to play a crucial facilitating role in the YIP, K-DISC has stipulated a minimum Eligibility Criteria for Institutions:

- a. Institute must be a registered Institution recognized by the Govt of India or Govt of Kerala or affiliated to the Universities in the State.
- b. The Heads/Directors/Principals of these Institutions must consent to register for the program.
- c. Institution must nominate at least 2 (TWO) Teachers or Faculty members to be the FACILITATORS for the entire duration of YIP 2019.
- d. Institution may nominate mentors for the YIP programme

- e. Institution must be able to identify, support and ensure the participation of a few students,

## 5) SCREENING & SELECTION PROCESS FOR INSTITUTIONS

K-DISC will use the following Screening & Selection Criteria for prioritizing the final selected list of YIP 2019 Institutions:

- a. NIRF Ranking during the last year - for Institutions of Higher Education
- b. NAAC Grade during the last year - for Institutions of Higher Education
- c. ARIIA Ranking of institutions on Innovation Achievements during the last year
- d. Number of Students enrolled in regular programmes during the last year- for all kinds of Institutions
- e. Previous Years' Results - for different regular courses
- f. No of requests originated for Mentor Registration till the time of application

## 6) FACILITATORS

In the design of the YIP program, facilitators are expected to be agents for continuity of the YIP program within their institutions. They identified and supported suitable applicants/candidates, coordinated with K-DISC etc. and would serve as torch bearers for pursuing institutional goals in solving inspiring problems.

### a. NOMINATION PROCESS

At least 2 (TWO) facilitators must be nominated by each registering Institution - this is to ensure continuity in problem solving at the institutional level. While the Government Departments and Institution Heads have the flexibility to nominate facilitators of their choice, for the success of the YIP, these Facilitators must be approachable by students, experienced and passionate about the program.

## 7) YIPAPPLICANTS

K-DISC has designed the YIP 2019 Challenge to be open, any student of any registered, recognized educational Institution in Kerala can apply/register for the program to have a chance to be part of YIP 2019.

### ▪ SCREENING & SELECTION PROCESS

K-DISC will found the most suitable candidates for the program through a rigorous Screening & Selection process. The selection process was designed with enough rigor to look at the quality and merit of ideas submitted by the applicants. The program was built to check for inquisitiveness, spirit of enquiry, grit and passion which are important pre-requisites for the applicant's progress and success through the program.

After final submission of their ideas on the digital platform, applicants were individually and collectively contacted, and even observed closely during interactions, to understand the rationale for their choice of the problem, their rough approach for solving the problem and their passion for the cause.

- **GROUPS**

K-DISC, and the participating Institutions, encouraged Team-Based/Group-based participation. YIP Applicants were encouraged to form small groups or teams, of at least 2 (TWO) members and up to 5 (FIVE) members, with peers from the same Institution to enter the program.

Multiple groups/teams were permitted to enter the program, provided the Institutions they are registering from has also registered, and has not exceeded the maximum number of permitted groups. For Group 1 Institutions, a maximum of 10 (TEN) groups/teams were permitted while for the Group 2 Institutions the permissible limit was 5(FIVE) groups/teams.

K-DISC also, in exceptional cases, allowed individual participation based on the merit of the idea proposed by the applicant.

## 8) MENTORS

Mentorship is a key process in the YIP ecosystem, YIP candidates receive much of their support and guidance from mentors. To grow the Mentor network, YIP 2019 allowed institutions to nominate Mentors, during their registration process.

- **NOMINATION PROCESS**

Mentors could also be nominated by each registering Institution. To encourage the process of mentorship and the involvement of the institutions thereof, K-DISC also screened and shortlisted Institutions based on the number and experience of mentors nominated by them.

## 9) REGISTRATION

Registrations were invited from institutions via a digital platform which will have the provision for handling the following:

#### ▪ **REGISTRATION OF INSTITUTIONS**

Details of the Institutions were gathered during this registration process, and along with the details of the Institution Head, their consent for participation in the program was also captured. At least 2 (TWO) Facilitators were to be nominated for the program, without which the registration process was considered incomplete.

#### ▪ **REGISTRATION OF FACILITATORS**

Details of the nominated Facilitators were gathered during this part of registration process. At least 2 (TWO) Facilitators had to complete registration for the program, without which the application of the Institution was considered incomplete.

#### ▪ **REGISTRATION OF MENTORS**

Details of the Institutions-nominated Mentors were gathered during this registration process.

#### ▪ **REGISTRATION OF PROBLEM BEING SOLVED**

In order to, to check for spirit of enquiry, inquisitiveness, genuine interest and passion for the idea, the registration process for the idea has been made more rigorous. YIP 2019 Applicants had to fill in the details of that idea into a specifically created Idea Template on the web portal.

The Problem Statement template has been designed to gather the following details as a minimum, about the problem being registered:

- Background of the problem being solved
- The Problem in just ONE Line, typically around 25-35 words.
- What is the problem being solved?
- Who is affected by the problem?
- What is the root cause of the problem?
- Motivation/Rationale for solving the problem?
- What are the limitations of the existing solutions?
- How is this Idea/solution an improvement over existing products/solution?
- Approach to the solution for the problem
- Outcome of the solution

- Time frame for coming up with the solution
- Estimated cost of the solution
- Reference material

## 10) SCHEDULE

No.	EVENT	DATE / WINDOW
1	Notification / Announcement for YIP Challenge 2019	May 10, 2019
2	Registration Window for Institutions to Register for YIP Challenge 2019 Registration of Facilitators Registration of Mentors	May 10 to May 31, 2019
3	Prioritisation & Screening of Registered Institutions	May 31 to June 10, 2019
4.	Facilitator Training Workshops [Block 1] for Facilitators nominated by screened and selected Institutes - District-wise	October 29 to December 10, 2019
5	Registration of Ideas from Innovators by Institution-based Applications	July 1 to July 29, 2019
6	Open Registration of Ideas from innovators	July 1 to July 29, 2019
7	Facilitator Training Workshops [Block 2] for Facilitators nominated by Institutes coming in via Open Idea Challenge	2019 January 24 to February 28, 2020
8	Window for changing, modifying or refining of Ideas	August 5 to August 19, 2019
9	District level events for screening of applications	
	Kasaragod Thiruvananthapuram Palakkad	2019 September 16, 17, 18
	Kannur Kollam Trissur	2019 September 19, 20, 21
	Wayanad Pathanamthitta Ernakulam	2019 September 23, 24, 25
	Kozhikode Kottayam Idukki	2019 September 26, 27, 28
	Malappuram Alappuzha	2019 September 30, and October 1, 2

	Zonal workshops	
10	South (Thiruvananthapuram, Kollam, Kottayam, Pathanamthitta, Alappuzha)	2019 October 11, 12, 13, 14
	Central (Idukki, Ernakulam, Trissur, Palakkad)	2019 October 16, 17, 18, 19
	North (Malappuram, Wayanad, Kozhikode, Kannur, Kasaragod)	2019 October 23, 24, 25, 26
11	State Jury	2019 December 16 - 2020 January 02
12	National Knowledge Session	2019 January 22,23
13	Notification of the winners of the Challenge	2020 January 31

### APPLICATION PROCESS YIP 2020

The YIP 2020 Challenge was open to all students, from every institution, across Kerala. Applicants could apply to be part of the YIP 2020 Challenge could apply only through the institutions. The individual application process was done away with due to the constraint of the resources required.

#### 11) INSTITUTION-BASED APPLICATIONS

The institution based application process remains the same as in YIP 2019 - 22. The process was further strengthened with the evolution of the IT platform to support the same.

#### 12) INSTITUTIONS & THEIR ROLE

The role of the institution in the process remains the same through the as the 2020 -23 period as the 2019 -22 one.

#### 13) ELIGIBILITY CRITERIA

Since the Institutions are envisioned to play a crucial facilitating role in the YIP, K-DISC has stipulated a minimum Eligibility Criteria for Institutions:

- f. Institute must be a registered Institution recognized by the Govt of India or Govt of Kerala or affiliated to the Universities in the State.
- g. The Heads/Directors/Principals of these Institutions must consent to register for the program.
- h. Institution must nominate at least 2 (TWO) Teachers or Faculty members to be the FACILITATORS for the entire duration of YIP 2019.
- i. Institution may nominate mentors for the YIP programme
- j. Institution must be able to identify, support and ensure the participation of a few students,

**14) SCREENING & SELECTION PROCESS FOR INSTITUTIONS**

All Government of Kerala and/or Government of India recognized institutions were selected as a part of the YIP 2020 -23 period.

## 15) FACILITATORS

The facilitators role remain the same in YIP 2020 -23 period.

## 16) YIPAPPLICANTS

The 2020 application process was kept similar to the 2019 one. Any student from a Government recognized institution was allowed to post an idea.

### ▪ **SCREENING & SELECTION PROCESS**

K-DISC found the most suitable candidates for the program through a rigorous Screening & Selection process. The selection process was designed with enough rigor to look at the quality and merit of ideas submitted by the applicants. The program was built to check for inquisitiveness, spirit of enquiry, grit and passion which are important pre-requisites for the applicant's progress and success through the program.

After final submission of their ideas on the digital platform, applicants were individually and collectively contacted, and even observed closely during interactions, to understand the rationale for their choice of the problem, their rough approach for solving the problem and their passion for the cause.

### ▪ **GROUPS**

K-DISC, and the participating Institutions, encouraged Team-Based/Group-based participation. YIP Applicants were encouraged to form small groups or teams, of at least 2 (TWO) members and up to 5 (FIVE) members, with peers from the same Institution to enter the program.

Multiple groups/teams were permitted to enter the program, provided the Institutions they are registering from has also registered, and has not exceeded the maximum number of permitted groups.

### • **MENTORS**

Mentor nomination process for the YIP 2020 was kept similar to the YIP 2019. Students were allowed to nominate a mentor at the time of posting their idea.

### ▪ **NOMINATION PROCESS**

Mentors could also be nominated by each registering Institution. To encourage the process of mentorship and the involvement of the institutions thereof, K-DISC also screened and shortlisted Institutions based on the number and experience of mentors nominated by them.

## 17) REGISTRATION

Sl no	Event	Date
1	YIP 2020 Cycle 1 announcement	02.07.2020
2	YIP Cycle 1 registration	02.07.2020 - 08.08.2020
3	YIP Cycle 2 announcement	15.12.2020
4	YIP Cycle 2 registration	18.12.2020 – 15.01.2021
5	Preliminary Evaluation	22.01.21 – 06.02.2021, 18.02.2021 – 01.02.2021
6	Bootcamp 1	07.04.2021 – 19.04.2021, 29.04.2021
7	Second Level Evaluation	09.06.2021 – 20.06.2021

The registration process of YIP 2020 was kept similar to the YIP 2019 tranche. However, in order to facilitate the innovators during the pandemic condition, two Cycles of YIP were launched. This enabled more students to take part in the YIP 2020 tranche.

## 18) SCHEDULE

### APPLICATION PROCESS YIP 2021

The YIP 2021 Challenge takes off from the YIP 2020 tranche with increased scale. The fundamentals of the process have been kept same as in YIP 2020 with a few key modifications to the application process.

#### 1) INSTITUTION-BASED APPLICATIONS

The institution based application process remains the same as in the prior tranches. However, a separate window for institution registration is set up to drive more institutions to onboard into the process.

#### 2) INSTITUTIONS & THEIR ROLE

The role of the institution in the process remains the same through the as the prior tranches.

#### 3) ELIGIBILITY CRITERIA

The eligibility criteria remains the same as per the prior tranches.

#### 4) SCREENING & SELECTION PROCESS FOR INSTITUTIONS

All Government of Kerala and/or Government of India recognized institutions who register will be selected as a part of the YIP 2021 -24 period.

## 5) FACILITATORS

The facilitators role remain the same in YIP 2021 -24 tranche.

## 6) YIPAPPLICANTS

The 2021 application process was kept similar to the 2020 one. Any student from a Government recognized institution was allowed to post an idea.

### ▪ SCREENING & SELECTION PROCESS

K-DISC found the most suitable candidates for the program through a rigorous Screening & Selection process. The selection process was designed with enough rigor to look at the quality and merit of ideas submitted by the applicants. The program was built to check for inquisitiveness, spirit of enquiry, grit and passion which are important pre-requisites for the applicant's progress and success through the program.

After final submission of their ideas on the digital platform, applicants were individually and collectively contacted, and even observed closely during interactions, to understand the rationale for their choice of the problem, their rough approach for solving the problem and their passion for the cause.

**Ideator Teams** K-DISC, and the participating Institutions, encouraged Team-Based/Group-based participation. YIP Applicants were encouraged to form small groups or teams, of at least 2 (TWO) members and up to 5 (FIVE) members, with peers from the same Institution to enter the program.

Multiple groups/teams were permitted to enter the program, provided the Institutions they are registering from has also registered, and has not exceeded the maximum number of permitted groups.

## 7) MENTORS

The mentoring process was identified as a critical element of the YIP 2021 tranche. A focused structured outcome based process is being laid out for the YIP 2021 Mentoring process.

**Rationale:** Young Innovators need support and nurturing in order to ensure their idea is converted to reality. This can be done only by resource persons who are experienced in the specific field. As a part of the YIP process, themes which are essential for the state are identified. Institutions which have specialized focus on these themes are then brought onboard. Resource persons are identified from within these institutions who specialize in the

identified themes. These resource persons are termed as Mentors in the Young Innovators Programme.

**Scope:** Mentors are allocated to each team which qualify the State Level Evaluation. The Mentors are expected to provide guidance to the YIP teams in terms of Domain Knowledge. They will need to enable the YIP team to bring the Idea which is selected to its logical conclusion. They will also help the teams to connect with other appropriate organizations which can further the development of the idea. The Mentoring period will depend on the duration of the project.

**Deliverables:** The following are the deliverables of the identified Mentors

1. The Mentors are expected to spend atleast 2 hour a week with their teams to review and understand the status of the project and provide inputs to improve the same. The YIP Program Executives will be part of this meeting and will help to document the actions required.
2. The Mentors are expected to be a part of the periodic reviews which are conducted by the YIP.
3. The Mentors are expected to enable the team to connect with other organizations which can further the idea.
4. The Mentors will need to validate any expense budget which the team proposes before it is submitted for disbursal.
5. The Mentors are expected to escalate any issues with the teams to YIP PEs & KDISC with regards to completion of the project as per timeline.
6. If there are areas which are outside the scope of the domain, the mentor must share the same with YIP Pes and KDISC so that it can be aligned.

**Trainings:** The Mentors will be provided with training on Mentoring skills. Periodic refresher programs and interactive sessions with thought leaders will be scheduled with the Mentors which will add personal and professional value to the Mentors.

**Recognition:** The YIP Mentoring activity is a Pro Bono service. A Certificate of Recognition of Service provided will be given to the Mentor along with a letter mentioning their contribution to the cause of YIP and innovation in Kerala.

**Code Of Conduct:** Mentors are role models to the Ideators. They are expected to stand up to the highest values of ethics and integrity throughout the program. The code of conduct of their respective institutions will need to be followed throughout the process. Any report of violation to code of conduct with respect to Sexual Harassment will be dealt with as per State Laws.

## 8) REGISTRATION

The registration process of YIP 2021 is changed significantly to enhance the effectiveness of the process. The process outline is laid out in the annexure.

**Institution Registration:** The institution registration process has been revamped to ensure scalability. The details around rankings are removed to democratize the innovation process and involve more institutions. The institution registration process begins with a pre registration link which can be filled by a focal from the institution. This will then be routed to the Program Executives who will verify and forward the same for approval. The document can be approved by the project manager post which a login will be sent to the institution to fill in further details. An unique Institution ID will also be allocated at that time.

**Institution Point of Contact Registration:** The institution point of contact are those who can take up the role of approving ideas which are submitted by the innovators from the institution. This will be delegated by the Head of the Institution while filling the Institution Registration form.

**Facilitator Registration:** The facilitator is a critical part of the YIP. They are part of registered institutions and will be tasked to ensure the innovators adhere to set timelines of the YIP. The registration of the facilitator will be done at the time of institution registration.

**Innovator Registration:** Individual participants will first go through the registration process after which a verification will be done. Post the verification the innovators will be allowed to go to the next step.

#### 9) Voice Of Customer Training:

One of the key challenge of earlier YIPs was the quality of the ideas posted by the ideators. The primary issue identified after reviewing a sample of over 200 ideas were as follows

- a. Ideator is not clear who the real customer is and have not discussed the problem with the real customer and got their views
- b. Ideator are not clear how to state the problem

In order to address this challenge an online self administered module is proposed after registration which will help the ideators understand how to conduct a Voice Of Customer & define a clear problem statement.

The proposed structure of the program will be as follows

- One hour program followed by a small online quiz
- 20 Minute VoC
- 20 Minute Problem Definition
- 20 Minute YIP Process Steps
- Quiz of ~10 questions - No Pass/Fail - only score to be shared with correct answers
- Multi Lingual content

### VIII. Criteria for Selecting Young Innovators

An idea in innovation for business or innovation for societal change was evaluated based on the following, the relative weightage of which were suitably decided by DISC

- i. Usefulness
- ii. Value of the solution
- iii. Market potential or social worth

The indicators for each evaluation criteria is indicated below

#### 1. Usefulness, novelty and non-obviousness

- a) Assess whether the idea is useful.

##### **Indicators**

How useful is the idea based on its characteristics?

Extent to which the utility is specific substantial and credible.

## b) Assess the novelty of the idea

**Indicators**

- Idea must be new, not previously known or used by others, based on literature survey, product information and IPR?

## c) Assess Non-obviousness of the idea

**Indicators**

- Idea is different from the usual practice, that a person having normal skill in the related area, would not find it obvious to make the change otherwise

## 2. Value of the solution

**Indicators**

- Real measurable consequence of inaction on the problem
  - Is the problem unworkable?
- Implication of non-fixing the problem- the mandate not addressed
  - Is fixing the problem unavoidable?
- Consequence of a delay in addressing the problem
  - Is solving the problem urgent?
- Conspicuous absence of other valid solutions to the problem
  - Is solving the problem underserved?

## 3. Market potential

**Indicators**

- Will the product or service satisfy as market need?
  - Who are the customers and where can they be found?
  - What completion is there?
    - Direct/Indirect/International
  - How distinct is the product from what is offered by the competitors?
- Can the product stand test of changing trends or take advantage before it dies out?
- Does the law of land allow the business to be established?
- At what prices are customers prepared to by the product?
- Can the innovator make a profit?

## 4. Additional indicators for evaluating ideas for societal advancement

- An idea shall be included in the category of STEM Innovation for Societal Advancement if
  - it targets a social process.

- it creates positive value of being good or better than what it replaces.
- it promotes a bottom up or civic centered solution where bureaucratic planning or market process fails.
- it promotes a solution addressing a global challenge humanity is facing.
- it pertains to public service delivery of a common social good
- it addresses a need of the marginalized, downtrodden or deprived.
- it helps resolve a conflict or strife

5. Social worth of the idea can be estimated by the following indicators

#### **Indicators**

- Does it result in one or more of the following?
  - An organizational change
  - Create a social support system accompanying a material innovation
  - Political interventions triggered by a large-scale reform
  - Create novel patterns of need fulfillment
  - Create novel lifestyles often adaptation of material and societal challenges.
- What is the extent of impact?

### **IX. Organization of the YIP Camps:**

1. The immersion boot camps and the design boot camps midway through the challenge and at the close of the challenge were at the core of the programme.
2. Many a time the idea presented by the innovator while intrinsically meritorious was inadequately or poorly defined. The success of the immersion boot camps and design camps depended on the extent of knowledge integration that were achieved to reshape such problems addressed. In general, inadequately or poorly defined problems solutions were more likely to advance when knowledge is integrated across different disciplines, experiences and perspectives. The immersion programmes, the mentoring process and the design camps prepared the participants to receive a collage of different perspectives on their problems

and took them through a process of sharing, highlighting and combining the knowledge in arriving at an innovative solution.

3. The broad frame work of skills to be imparted to the talent joining the program covered systems thinking, design thinking, collaboration, creative thinking and gaming. It also aimed to strengthen competitive mind-sets and systematic ways of looking for opportunities outside traditional boundaries.
4. It was proposed to develop a local team who can handle workshops in English and Malayalam to spearhead the innovation knowledge integration process. The team should be equipped to think out of the box working in a disciplined manner sharing, highlighting and combining knowledge to develop tangible disruptive results.
5. K-DISC shortlisted quality institutions with which the local team might have to work closely for designing these camps. Some nationally and internationally accepted agencies are the following:
  - IDEO an international design and consulting firm in Palo Alto, California.
  - HassoPlattner Institute of Design at Stanford based in Stanford University, Stanford.
  - Design Thinkers Academy, Amsterdam a network of design thinkers world over.
  - Dutch School of Design Thinking, Eindhoven.
  - Seriously Creative, Porto Rico.
6. Selected consultants who are equipped in tools of design thinking were also identified to assist in the process.
7. The 2019 boot camp was conducted online due to the Pandemic. Further refinements and a workbook based program are outlined for future online trainings of the YIP.

#### X. **Linking Special Schools: 2018 - 21 Tranche**

In addressing children from special schools, the support of international agencies and agencies working in the field of disability shall be enlisted. The programme shall be organised jointly with United Nations Educational, Scientific and Cultural Organization (UNESCO), Score Foundation, Disability Arts International and National Institute of Speech and Hearing (NISH). This component was later converted into an independent program.

## XI. The Grand Jury:

A grand jury comprising of Indian and International experts decided the award-winning innovators in each of the awards category. The decisionmaking process included one or more rounds of interactions and presentations were evaluated to decide the award winners.

## XII. Monitoring and Evaluation Framework

### 2018 - 21 Tranche

A monitoring system was established for YIP, before initiation of the programme, which systematically collected and delivered information on

*One of the great mistakes is to judge policies and programs by their intentions rather than their results.”*  
 Milton Friedman

individual outputs and early outcomes for each K-DISC certified innovation in a manner allowed aggregation of the results to a program level. During the implementation period, the focus was on outputs and intermediate outcomes at best, given the short duration of YIP. Figure 2 indicates a set of illustrative indicators that was used to assess the results of the program, which were finalised in consultation with experts in the field.

An impact assessment of the Program will be undertaken only after the Program is completed (3 years). This assessment will focus on a three-dimensional results framework, namely usefulness, value, market (or social impact as appropriate) of the K-DISC certified innovations. SMART<sup>12</sup> indicators will be developed to assess the results in each dimension. Each K-DISC certified innovation will be assessed by the same indicators, so as to facilitate aggregation of the results to the Program levels. The evaluation framework (that is indicators and scoring scales) will be developed in consultation with the K-DISC board, and jointly with the Kerala Startup Mission after three years from the initiation of the program.

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<sup>12</sup>Specific, Monitorable, Attributable, Relevant & Time bound



**Figure 1**  
**The overall program outline (2018 - 19 tranche)**

YIC Opens submission 3 May'18

Submission Closed  
30 June'18

Initial interaction workshop 29 Sep 2018

Pitching Workshop 20,21 Oct'18 & 11 Nov'18,

National Judging 1st Dec '18

Participants announced 31 Jan'19

Innovation Fundamentals Workshop, March '19 & April'19.

Apr'19 & May'19 Innovation Boot Camp.

March '19 & April '19 Mentors Camp

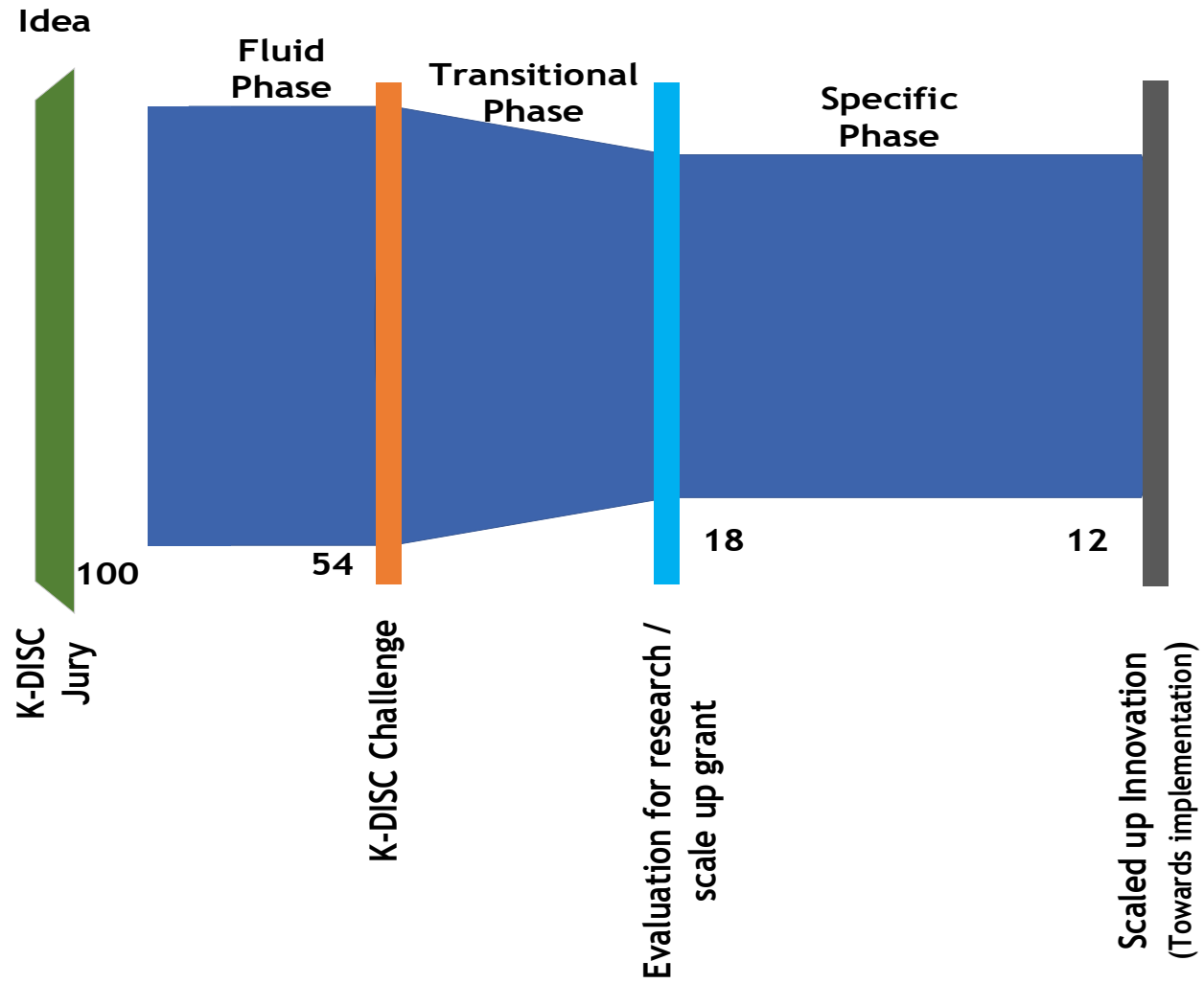
20,21, 22 Sep'19 Innovators Evaluation Camp

13,14,15 Dec'19 K-DISC YIC Challenge Event

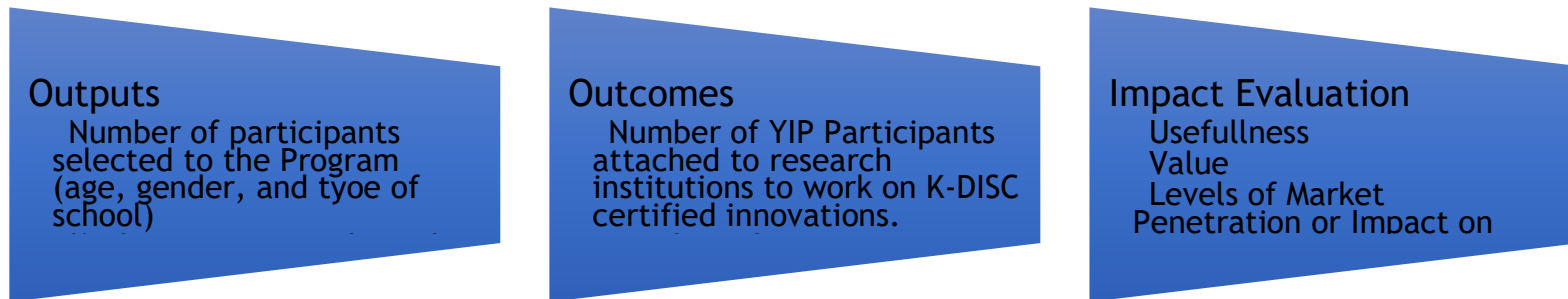
Scholarship award and attachement to research institutions 5 May'20

Productionisation/ Scale up grant/Innovation bazaar May'21

Figure 2  
Innovation Funnel



**Figure 3**  
**RBM framework for K-DISC YIP**



**Annexure 1.1 Problem areas and solution domains of interest to K-DISC**

Sl No	Sectors	Sub Sector	Micro Sector	Problem Areas	Solution Domains
1	Infrastructure	Transportation systems	highways, airports, railways, ports, inland shipping, urban transport	Traffic accidents, environmental pollution, increasing number of vehicles, traffic congestion, unsustainably high energy consumption per passenger, urban sprawl	Traffic management designs, parking access changes, walking and bicycling improvements, traffic control, containerisation, carbon foot print, congestion pricing, eco-tax, ethanol fuel, high speed rail, hybrid vehicles, vehicle efficiency, electric vehicles, transit-oriented development, rapid bus transit system, aerial cable systems, improving water transport systems, multi-model transit
		Power	electricity generation, transmission and distribution, renewables	Increasing peak demand to base demand, constraints in interstate evacuation, power quality, electrical accidents	Carbon foot print, eco tax, promoting energy conservation, smart grid, promoting renewables, safety culture and use of modern safety gears, ecotax, carbon foot print
		Water structures	bridges, dams, dykes, canals, pipelines, valves, pumping systems	Siltation in water structures, poor maintenance and support system	Inflatable water structures, Bhandarairrigation, Interconnection of water sources and improving conservation through lining

Sl No	Sectors	Sub Sector	Micro Sector	Problem Areas	Solution Domains
		gas and oil production transport and distribution	refineries, petrol pumps, gas filling and dispensing stations gas pipelines distribution system	Air pollution In adequacies in downstream industries and ancillary industries	Ethanol fuel, Fuel tax
		Telecommunication	landline, satellite, broadband and wireless	Dropping calls, blind spots	Wireless technology, smart city, smart village
2	Agriculture and Allied Sectors	Agriculture and allied sectors	farms, food and agro production units, cold storage chains, milk, meat, fish processing units, diary	Food security in Kerala, pesticide residues, fragmentation of land holdings, absentee landlordism, shortage of labor	Aggregation to achieve scaling, mechanisation productivity enhancement, labor bank green army, lease land farming, contaminant free food, organic food, producer companies in agriculture, animal husbandry, diary etc.
		Forestry	natural forest protected areas	Endangered forest species	Massive afforestation and participatory forest management, rehabilitating degraded forests, conserving reserves and protected areas afforestation, compensation programme, joint forest management, biodiversity conservation, increasing productivity of forests.

SI No	Sectors	Sub Sector	Micro Sector	Problem Areas	Solution Domains
3	Public Services and Governance	Water supply	drinking water, wastewater, sewage	Water quality issues, depleting ground water table, water pollution, drinking water shortage,	Grey water management, storm water storage management, ground water augmentation, recycling, reverse osmosis, desalination, better utilization of spare capacity of big irrigation systems, drip irrigation sprinkler irrigation systems
		Waste management	solid waste, hazardous waste, landfill	Waste dumping sites, hazardous waste disposal, plastic disposal, dog menace	Waste to energy, recycling, decentralized waste processing
		Public buildings and services	public health, hospitals, schools, libraries	Inadequacies in public service delivery	Weatherisation, passive solar architecture, renovation upgradation, quality Improvement, marginalised groups and inclusion
		Local services	police, fire protection, public services outside local government	Inadequacies in public service delivery	safety, disaster handling
		Recreation facilities	museums, parks, beaches, civic centers	Inadequacies in public service delivery	cycling, pedestrian pathways
				Decentralisation	Poor service delivery

Sl No	Sectors	Sub Sector	Micro Sector	Problem Areas	Solution Domains
		Local level Governance	Local governance		Result based management, transparency, accountability, participation,
		State level Governance	Governance best practices		
			E-governance		
Health Care	Primary Health Secondary Health Tertiary Health	Return of previously eradicated infectious diseases, emergence of new ones, rapid increase of life style diseases, prevalence of health problems specific to women and the aged, high suicide rates and problems of mental health, constraints of government hospitals, excessive privatisation of health sector, rising treatment costs, dearth of human resources in health care, lack of health sciences research, entry of self-financing medical education	Preventive health and health education, transforming PHCs as family health centres, improving basic infrastructure, reforming outpatient management procedures, improvement of infrastructure of taluk, district hospitals and tertiary care systems and developing them as referral facilities, medical research focusing on Kerala specific health issues pharmaceutical research focusing on biodiversity, medicinal plants and traditional knowledge, Social control on corporate private hospitals, Strengthening of palliative care movements.		

Sl No	Sectors	Sub Sector	Micro Sector	Problem Areas	Solution Domains
4	Human Resource and Skill Development	Higher Education	University Education	Inadequate accountability, Quality of education, Inadequate infrastructure, poor employability, Commercialization of education	Faculty training academy, hub and spoke model, research based innovation, improvement in quality of university system, centers of excellence, ICT Skills, Soft skills, curriculum upgradation, teacher improvement
			Technical Education		
			Medical Education		
			Other Professional Education		
		School Education and Literacy	Elementary Education	Inadequate accountability, quality of education, Inadequate infrastructure, Poor employability, Commercialization of education	Centers of excellence, improving quality of training, vocationalisation, teachers training, academic monitoring, assessing learning processes and achievements, problem-based learning, activity-based learning, international and national equivalence
			Basic Education		
			Secondary Education		
			Vocational Education		
			Adult Education		
		Skill development	Academia industry bridging	Poor employability, Skilled unemployment	Up- skilling, re-skilling labour force, aging society, shortage of requisite skilled persons, community college, very large multi skills training centres, skills training destination, long term skilling, National Skills Quality Framework, knowledge exchange networks, convergence of
			Vocational training and formal training bridging		
			Employability enhancement		
			Craftsman training		
			Information Communication		

Sl No	Sectors	Sub Sector	Micro Sector	Problem Areas	Solution Domains
			Technology (ICT) Skills		skill development initiatives, massively open online courses (MOOC), recognition for prior learning, demand driven curriculum, State Skill development mission
		Entrepreneurship	Startup promotion	Preference of public sector jobs over private sector jobs	Self-Employment programme, incubators, social entrepreneurship, grassroots innovation, credit guarantee fund, entrepreneurship hubs
Incubators					
Mentors					
Risk funding schemes					
5	Industry Commerce and Entrepreneurship	Modern Industries	Agro food processing	Industrial relations, Environmental challenges, Scarcity of land	Innovative methods of addressing land availability, industrial clusters, trade fairs, Improving infrastructure, industrial zones, industry parks
			Textiles and garments		
			Electronics		
			Biotechnology and Nanotechnology		
			Wood processing		
			Mining		
			Petrochemical Complex		
			Export oriented products		
			Medium Small and Micro enterprises		

Sl No	Sectors	Sub Sector	Micro Sector	Problem Areas	Solution Domains
		Traditional Industries	Coir	Cost of production, challenges of substitution products, shortage of raw material, poor technology infusion	Mordernisation, quality control, marketing, diversification, clusters, trade fairs
			Handloom		
			Cashew		
			Handicrafts		
			Bamboo		
6	Public Finance		Additional resource mobilisation	Infrastructure deficit, fiscal crisis	Need to sustain achievements in human development, needs to improve infrastructure for ensuring growth, Kerala Infrastructure Investment Fund Board (KIIFB), resource management
			Alternate sources of funding		

### Annexure 1.2 Sample of Possible Innovative Interventions

Types of Innovations <sup>13</sup>	Illustrative Market Innovation. <i>improving the mix of target markets and how these are served</i>	Illustrative Social Innovation <i>Innovation that helps to solve a pressing social issue or responds to an important social need</i>
<b>Product or Service Innovations</b> - A good or services that is new or significantly improved	<ul style="list-style-type: none"> <li>● New or modified products based on scientific or technical or knowledge in any sector or sub-sector such as agricultural and allied sectors, industrial, energy, water resources, transportation, irrigation, etc.</li> <li>● Environment friendly products or those that diminish impact or footprint on the environment including recycling &amp; converting waste to energy or innovative use of solar energy</li> <li>● Technological innovations to adapt to climate change</li> <li>● Inclusive green growth and organic business development</li> <li>● Improved services through use of digital technology (for example that respond to emerging needs or disasters/emergencies)</li> <li>● Strengthening or improving value chains through locally adapted approaches to enhance growth and reduce poverty</li> <li>● Improved entrepreneurial education and incubation services as well as innovative business development services</li> </ul>	<ul style="list-style-type: none"> <li>● Efficient services to fulfil current or emerging community needs</li> <li>● Ideas that help to increase the quality and equity of education or health services</li> <li>● Innovations in improving or creating new aspects of community care services including children</li> <li>● Systemic approaches to community care of young offenders</li> <li>● Systematic approaches to caring for people (including children) with mental disabilities or other learning challenges</li> <li>● Improved community services for the elderly so as to avoid institutionalisation</li> <li>● New services to new groups such as those who are terminally ill</li> <li>● Innovations leading to fundamental transformation of social and cultural arrangements (say in IEC)</li> <li>● Exploiting digital technology to provide better social services</li> <li>● Democratic platforms where diverse actors can participate and develop capacity</li> </ul>

<sup>13</sup>The basic definitions and types of innovation (sometimes referred to as ‘shapes’ or ‘typology’ of innovation) are established by Organization for Economic Cooperation and Development (OECD). The latest revision of these is the Oslo Manual which defines innovation “the implementation of a new or significantly improved product (good or service), or process, a new marketing method, or a new organizational method in business practices, workplace organization or external relations” [OECD, 2005, p. 46].

	<ul style="list-style-type: none"> <li>● Innovative income generating ideas in agriculture and allied industries that also generate employment and improve productivity</li> <li>● Improved modernisation, productivity, and quality of traditional industries</li> <li>● Better information services in rural areas</li> <li>● Innovative use of nanotechnology or biotechnology</li> <li>● Fostering sustainable growth and increasing jobs</li> <li>● Improved software development courses</li> <li>● E-procurement</li> <li>● Capacity development and Multi-skill training</li> <li>● Innovative use of block chain technologies</li> <li>● Innovative use of robotics and artificial intelligence</li> <li>● Innovative use of drones and unmanned aerial vehicles</li> </ul>	<ul style="list-style-type: none"> <li>● Preservation of Indigenous Knowledge</li> <li>● One stop service center for all Government social transfers</li> </ul>
<p><b>Process -</b> Implementation of new or significantly improved methods of production or processes of delivery of the product</p>	<ul style="list-style-type: none"> <li>● Knowledge networks and markets through use of ICT to foster diffusion and application of knowledge</li> <li>● New or significantly improved methods of production or delivery of a particular product</li> <li>● Synergies between private and public sector, for example in providing extension services through linking research, extension, and education</li> <li>● Technology adoption and innovation in agriculture or allied services such as horticulture</li> <li>● Changes in adapting agricultural practices to climate change</li> </ul>	<ul style="list-style-type: none"> <li>● Improved operational efficiency, better working practices, competitive advantage and flexibility that ensures sustainable development of public sector offices, to deliver services particularly to persons with disabilities, elderly populations, marginalised communities</li> <li>● Effective and efficient involvement of NGOs</li> <li>● Empowerment of citizens</li> <li>● Using technology to improve delivery of social services</li> </ul>

<b>New marketing method</b>	<ul style="list-style-type: none"><li>● New methods utilising digital technology to reach customers such as e-sales</li><li>● Developing Multi Stakeholder Platforms of producers, customers, retail, wholesale outlets with traceability etc</li></ul>	<ul style="list-style-type: none"><li>● Transparent and efficient provision of social and economic services to customers</li></ul>
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**Annexure 1.3**  
**Financial Calculations (2018 - 21)**

**Consolidation**

SI No	Consolidated Head	Y1	Y2	Amount
1	IT Tools	18.00		18.00
2	Advertisement and Digital Marketing	10.18		10.18
3	Honorarium of Support Staff and Mentors	16.80		16.80
4	Ideators out of pocket expenses	4.80		4.80
5	Evaluation	23.50		23.50
6	Fellowships	40.00		40.00
7	Consultancy	35.00		35.00
8	Pre-challenge	14.75		14.75
9	Partnerships	85.00		85.00
10	Challenge		6.00	6.00
11	Scholarships and guidance		92.40	92.40
12	Overheads and Contingencies	24.80	9.84	34.64
	<b>Total</b>	<b>272.83</b>	<b>108.24</b>	<b>381.07</b>

### Detailed Breakup(2018 - 21)

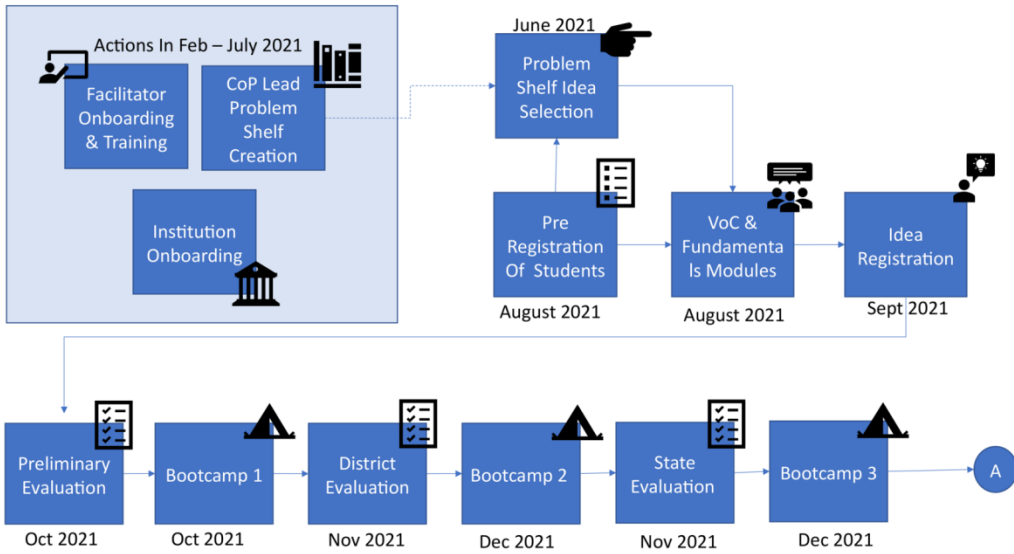
Sl No	Head	Head	Amount	Remarks
1	Portal for Talents, Ideas, Talent Screen Agencies, departments recommending, Mentors	IT Tools	5.00	DDFS Integration, Document Management System
2	Video Conferencing	IT Tools	1.00	Web conferencing solution
3	Support system for Idea Exchange based on SLA	IT Tools	12.00	Improving Idea Rocket
4	Advertisement- All India Radio, Doordarshan, Press	Advertisement and Digital Marketing	7.50	C-DIT
5	Press releases	Advertisement and Digital Marketing	0.03	C-DIT
6	Notice Boards of Educational Institutions	Advertisement and Digital Marketing	0.05	C-DIT
7	Communication to Student Unions	Advertisement and Digital Marketing	0.05	C-DIT
8	Communication to probable ideators	Advertisement and Digital Marketing	0.05	C-DIT
9	Other advertisement and advocacy	Advertisement and Digital Marketing	2.50	C-DIT
10	Call Centre Support	Advertisement and Digital Marketing	0.00	C-DIT
11	Support Staff (3 persons with honorarium of Rs 40,000 each)	Honorarium	14.40	CMD
12	Mentors Honorarium and travel (5,000, 4 per district, 1 year)	Honorarium	2.40	
13	Out of pocket expenses for ideators (1000, per 40 ideators, 1 year)	Stipend	4.80	
14	Evaluators Workshop (10 persons each handling 50 synopsis per day- ten days)	Evaluation	5.00	KSSM
15	Entry level Camp 3days (60 students per location- Tvm, Kochi, Kzd)	Evaluation	1.50	KSSM
16	Pitching of ideas workshop B-HUB Trivandrum	Evaluation	3.00	KSSM

17	National Selection Committee (3 national experts)	Evaluation	4.00	
18	Mentor Identification Process (interview from 200 persons)	Evaluation	10.00	
19	Fellowships for promising ideators	Fellowships	40.00	HR Agency
20	Mentors Kit	Consultancy	5.00	
21	Fundamentals Workshop, Bootcamp Consultancy (Design Thinking Systems Thinking, Creative Thinking, Gaming, Collaboration)	Consultancy	30.00	
22	Fundamentals workshop (2days, 40 persons)	Pre- Challenge	2.50	KSSM
23	Bootcamp Workshop (5days, 40 persons)	Pre- Challenge	6.00	KSSM
24	Mentors Camp (28 persons, 2 days)	Pre- Challenge	2.50	KSSM
25	Innovators Evaluation Camp (40 persons, 3 days)	Pre- Challenge	3.75	
26	Partnership with Cambridge for mentoring	Partnerships	25.00	
27	Partnership with Imperial College for mentoring	Partnerships	25.00	
28	Partnership with Babson College, Ashoka	Partnerships	25.00	
29	Community of Practices	Partnerships	10.00	
30	Challenge event (40 persons, 3 days)	Challenge	6.00	During 2019-20
31	Scholarships (22 persons, 25000, 12 months)	Scholarships	66.00	During 2019-20
32	Mentorship (22 persons, 10,000, 12)	Honorarium	26.40	During 2019-20
	Overheads		34.64	
		<b>Total</b>	<b>381.07</b>	

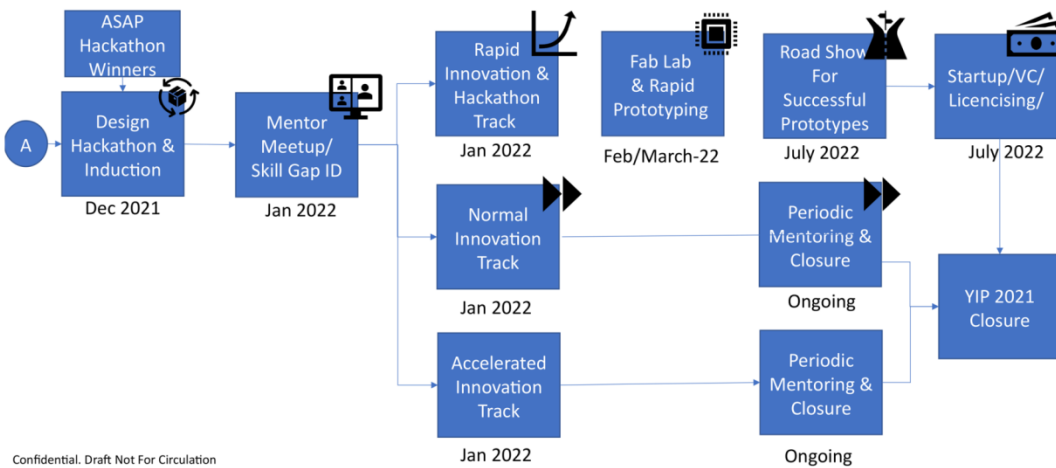
**Annexure 1.4**  
**Program Schedule (2018 - 19)**

Sl No	Activities	Apr-18	Apr-18	May-18	May-18	Jun-18	Jun-18	Jul-18	Jul-18	Aug-18	Aug-18	Sep-18	Sep-18	Oct-18	Oct-18	Nov-18	Nov-18	Dec-18	Dec-18	Jan-19	Jan-19	Feb-19	Feb-19	Mar-19	Mar-19	Remarks
1	Initial activities																									Notification of April 30
2	Registration of applicants																									Registration closes on June30
3	Evaluation of applications by Kerala Start up mission																									
4	First Initial evaluation workshop by KSUM (60 x 3)																									Mentee selection completed on 19 July
5	Revised submission by students																									
6	First level screening																									Pitching workshop on 20,21 October and 11 November 2018
7	National level screening																									National Workshop 1 <sup>st</sup> December 2018
8	Fundamentals workshop																									February - March 2019
9	Bootcamp																									April 2019
10	Mentors Selection																									2018 November 2, 3 and February 2019





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## Annexure 2

## Young Innovators Programme - Details

### YIP - 2018 Mentees

SI No	Row Labels	Above 18	Below 18	Grand Total
1	Agriculture	3	3	6
2	Air conditioner		1	1
3	Assistive Technologies	16	3	19
4	Automobile Engineering	2		2
5	Bio insecticides and Bio pesticides		1	1
6	Biofuel	1	4	5
7	Childcare	1		1
8	Crafts	1	1	2
9	Crime prevention	2		2
10	Drinking Water	4	3	7
11	Drone	2	2	4
12	Electric Engines		1	1
13	Electric Vehicle	1	1	2
14	Electronics	5	2	7
15	Energy	5	6	11
16	Food processing	1	2	3
17	Forestry and Wildlife protection		2	2
18	Gaming, AR, VR and Teaching Aids	2	1	3
19	Healthcare and Sanitation	10	4	14
20	Housing and Building Materials	3	2	5
21	Information Communication Technology	1	1	2
22	IoT	7	4	11
23	Machining and tools	6	4	10
24	Mathematics	1	1	2
25	Miscellaneous	1		1
26	Organisation and process	3		3
27	Pre School Education	1		1

SI No	Row Labels	Above 18	Below 18	Grand Total
28	Robotics and Automation	9	5	14
29	Security and Safety Technologies	9	4	13
30	Software	19	4	23
31	Substitutes for plastic	2	1	3
32	Waste recycling and Environment	14	8	22
33	Water Conservation	1		1
	<b>Grand Total</b>	<b>133</b>	<b>71</b>	<b>204</b>

## YIP - 2019 Mentee Groups

SI No	Themes	Junior	Researcher	Senior	Grand Total
1	Agriculture and Allied Sectors	3	2	12	17
2	Assistive Technologies	1	0	8	9
3	Business Model Innovation	4	1	15	20
4	Complementary and Alternative Medicine	0	2	4	6
5	Energy, E-Mobility and Renewables	7	0	4	11
6	Modern Medicine and Biomedical Technology	0	2	4	6
7	Problems of Aged	3	0	6	9
8	Problems of Children	2	2	2	6
9	Solid, Liquid and Hazardous Management	3	0	6	9
10	Traditional Industries	0	0	2	2
11	Water Conservation	1	1	5	7
	<b>Grand Total</b>	<b>24</b>	<b>10</b>	<b>68</b>	<b>102</b>

## Institutional Registration during 2019

Sl No	District	Institutions	No of Facilitators	No of Mentors
1	Thiruvananthapuram	141	182	19
2	Kollam	68	95	6
3	Pathanamthitta	35	42	2
4	Alappuzha	64	69	3
5	Kottayam	84	103	3
6	Idukki	60	59	0
7	Ernakulam	133	206	22
8	Thrissur	102	135	3
9	Palakkad	75	74	2
10	Malappuram	101	114	2
11	Kozhikode	104	125	5
12	Wayanad	30	37	2
13	Kannur	95	105	4
14	Kasaragod	49	48	1
15	Outside State	2	0	3
	<b>Grand Total</b>	<b>1143</b>	<b>1394</b>	<b>77</b>

## Details of AIT 2018 and NIT 2018 and ideas recommended

### Details of AIT 2018

SI No.	YIP Id	Name	Idea	Category	Amount
1	YIP201800356	Mr Justin George	Electromagnetic detector	Junior	Rs 40000
2	YIP201800122	Mr Rohit K	Water production from atmospheric humidity	Senior	Rs 20000
3	YIP201801170	Mr Manu Joseph	Marijuana detector	Senior	Rs 40000
4	YIP201800612	Ms Gauri Santhosh Pisharady	Nano particles as fertilizer for corps	Junior	Rs 20000
5	YIP201800436	Mr Joseph John	Modified walker	Senior	Rs 40000
6	YIP201800337	Mr Mohammed Siyad	IoT enabled wheel chair	Junior	Rs 40000
7	YIP201800603	Mr Efraem Joji	System for prevention of electrocution and hazardous effects of short circuits	Junior	Rs 20000
8	YIP201800259	Mr Manas Manohar	e-governance file tracking	Senior	Rs 12000
9	YIP201800166	Mr Zain Adam V	Flood sensor alert	Junior	Rs 40000

### Details of NIT 2018

SI No.	YIP ID	NAME	Idea	Category	Amount
1	YIP201800280	AJESH J K	Solo Inventions	Senior	Rs 54,600
2	YIP201800212	REX JOVAKIM JOSEPH	Conch Balls-A Complete replacement of Lead weights	Senior	Rs 47,500
3	YIP201800802	Rashid	Blood bank app and an institution	Senior	Rs 50,000

SI No.	YIP ID	NAME	Idea	Category	Amount
			database management		
4	YIP201800101	MEERA RAJEEV KHOTHOTE	Child tracker using GPS and GSM modules with mobile	Senior	Rs 31,000
5	YIP201801227	VarkeyJosu	Automatic head light based controlling system	Junior	Rs 37,100
6	YIP201800270	S K Deepak	Automation in aquaponics and reuse plastic waste	Senior	Rs 20,000
7	YIP201800220	Vimal Chakiath	Artificial wood using soap PET plastic and coconut	Senior	Rs 35,150
8	YIP201800252	John Thomas .V	Alternative to concrete from industry waste material	Junior	Rs 40,000
9	YIP201800200	Arjun Shyam	Cumulate the need of street lights and a tree for	Senior	Rs 50,000
10	YIP201800199	ARAVIND CHANDRAN	MEDDRONE- providing medical support during disaster	Junior	Rs 15,000
11	YIP201800318	MATHEW GEORGE	Food drier	Senior	Rs 40,000
12	YIP201800479	Gayatri Somasekhar	Emergency light in two wheelers for accident prevention	Junior	Rs 10,000
13	YIP201800483	JESVIN JAYSON C	Sensing the data in manholes of the air quality as	Senior	Rs 15,000

SI No.	YIP ID	NAME	Idea	Category	Amount
14	YIP201800142	Baasil Mohammed Biniyamin	Extra-terrestrial investigational rover	Junior	Rs 10,000

#### Details of Academic tie-ups for YIP 2019

SI No.	Theme	Institution	No of Mentee groups	No of Institutional Mentors	External Mentors
1	Assistive Technologies	National Institute of Speech and Hearing, Thiruvananthapuram	9	9	1
2	Traditional Industries	National Coir Research and Management Institution, Thiruvananthapuram	2	2	2
3	Problems of Children	Child Development Centre, Thiruvananthapuram	6	3	5
4	Complementary and Alternative Medicine	Vaidhyaratnam PS Varier Memorial Ayurveda College, Kottakkal	6	6	1
5	Energy, E-Mobility and Renewables	National Institute of Technology, Calicut	11	8	1
6	Water Conservation	Centre for Water Resources Development and Management, Kozhikode	7	3	0
7	Solid, Liquid and Hazardous Management	Ecoloop, Thiruvananthapuram	9	1	5
8	Business Model Innovation	SCMS Cochin, School of Business	20	6	0
9	Problems of Aged	Alive Foundation	9	1	0
10	Agriculture and Allied Sectors	Kerala Agricultural University, Trichur	17	9	3

Sl No.	Theme	Institution	No of Mentee groups	No of Institutional Mentors	External Mentors
11	Modern Medicine and Biomedical Technology	Government Medical College, Kannur	6	3	1
	Total		102	54	18

## Details of AIT 2019

Sl No.	Idea ID	Idea Summary	Names	
1	118	Utilization of water hyacinth	Arya S	Issac George
			Haree Krishna	Anoop Kumar V
2	293	Fish Freshness Sensor	Jeff Martin DSilva	Akhil Xavier
			S Kunjulakshmi	
3	144	Fingerprint Bike Starter	Anand Babu	Saran T.S
			Rijo Thomas	Akshay Thankachan
			Ashish Shaju	
4	247	Automatic water level indicator	Abel Paul	Ashin Saju
			Jyothish Shaju	John Biju
			Anosh Shibu	
5	332	Solar water heater and drier	Darsana Ranjith	Nandana K B
6	347	Energy saving cooking vessels	Sravanjith S	Sriram C P
7	388	Biological control of weeds	Anubha S	Sherin Varghese

## Details of Academic tie-ups for YIP 2020

Sl. No.	Theme	Institution - South Zone	Institution - Central Zone	Institution - North Zone
1	Agriculture	Central Tuber Crops Research Institute, Trivandrum	Kerala Agricultural University (KAU), Thrissur	Central Plantation Crops Research Institute (CPCRI), Kasargod.
2	Animal Husbandry	College of Dairy Science and Technology, Mannuthy	College of Veterinary and Animal Sciences, Mannuthy, Thrissur	Kerala Veterinary and Animal Science University (KVASU), Wayand
3	Diary	Institute Of Animal Health And Veterinary Biologicals, Palode, Trivandrum	College of Dairy Science and Technology (CDST), Idukki	Kerala Veterinary and Animal Science University (KVASU), Wayand
4	Fisheries	Department of Aquatic Biology and Fisheries, Kariyavattom Campus, University of Kerala	Kerala University of Fisheries and Ocean Studies (KUFOS)	Calicut Research Centre of Central Marine Fisheries Research Institute (CMFRI)
5	Solid, Liquid and Hazardous Waste Management	Ecoloop360, Govt Engg. College Barton Hill, Trivandrum	SCMS college of Engineering and Technology	GEC Kannur, Mangattuparamba , Parassinikadavu, Kannur; Dept of Bio Technology and Applied Chemistry, Calicut University
6	Complementary and Alternate Medicine- AYUSH	Govt. Ayurveda College Trivandrum	Centre for Yoga and Naturopathy, MG University	VPSV Ayurveda College Kotakkal
7	Business Model Innovation	Institute of Management in Kerala (IMK)	SCMS college of Engineering and Technology	NIT, Calicut
8	Energy, e-Mobility and Renewables	Energy Management Centre (EMC)	Govt. Engineering College, Thrissur	NIT, Calicut
9	Climate Change and Disaster Management	Institute of Land and Disaster Management, Vettamukku, Trivandrum	Kerala Forest Research Institute, Thrissur	M S Swaminathan Research Foundation, Wayanad
10	Post Pandemic Innovations	Rajiv Gandhi Centre for Biotechnology, Trivandrum	National Institute of Virology, Alappuzha unit	Govt Medical College, Kannur

11	Modern Medicine and Biomedical Technologies	Govt Medical College, Trivandrum	Govt. Medical College, Thrissur	Govt Medical College, Kannur
12	Water	Centre for Water Resources Development and Management (CWRDM)	Govt. Engineering College, Thrissur	Centre for Water Resources Development and Management, Kunnamangalam, Kozhikode (CWRDM)
13	Traditional Industries	National Coir Research and Management Institute (NCRMI)	MSME Development Institute, Thrissur	Uravu Indigenous Science and Technology Study Centre, Wayanad
14	Problems of Children	Center for Disease Control and Prevention (CDC), Trivandrum	School of Behavioural Sciences, MG University, Kottayam; Govt Medical College, Kottayam	Institute of Mental Health and Neuroscience, Govt Medical college campus
15	Problems of Elderly	Alive, Trivandrum	Govt Medical College, Thrissur	Institute of Mental Health and Neuroscience, Govt Medical college campus
16	Assistive Technologies	National Institute of Speech and Hearing (NISH), Trivandrum	Sahradaya college of Engineering and Technology, Thrissur	National institute of Physical medicine and Rehabilitation (NIPMR)

## Annexure 3

## Budget for YIP

No	Year	Item / Activity	Amount	Quantity	Total		Remarks
1	2018	Partnerships - KSUM	0	0	0	<b>175.00</b>	
2	2019	Partnerships - KSUM	0	0	0		
3	2020	Partnerships - KSUM	49	1	49		
4	2021	Partnerships - KSUM	126	1	126		
5	2018	Partnerships - Other institutions	0	0	0	<b>280.00</b>	
6	2019	Partnerships - Other institutions	0	0	0		
7	2020	Partnerships - Other institutions	130	1	130		43 institutions; costed at 3 lakhs per institution
8	2021	Partnerships - Other institutions	150	1	150		
9	2018	Challenges	3	1	3	<b>168.00</b>	
10	2019	Challenges	11	1	11		One NIT challenge; AIT and NIT current release at 6 lakhs to transform to 11 lakhs in 2019, 18 lakhs in 2020 and 20 lakhs in 2021
11	2020	Challenges	18	3	54		2 AIT + 1 NIT
12	2021	Challenges	20	5	100		2 AIT + 2 NIT + 1 ASAP Hackathon
13	2021	Scholarships	0.25	8000	2000	<b>3450.00</b>	District level winners
14	2021	Scholarships	0.5	2000	1000		State level winners
15	2021	Scholarships	0.5	900	450		250 AIT winners+ 500 NIT winners + 150 ASAP hackathon winners
16	2018	Capacity building: Training charges	6	1	6		

17	2019	Capacity building: Training charges	90	1	90	1596.00	Boot camps + TED talks
18	2020	Capacity building: Training charges	200	1	200		Boot camps + TED talks
19	2021	Capacity building: Training charges	1300	1	1300		Boot camps + TED talks + Road shows
20	2018	Ecosystem building: Support system costs	0	0	0	141.00	
21	2019	Ecosystem building: Support system costs	0	0	0		
22	2020	Ecosystem building: Support system costs	30	1	30		Knowledge support + Mail server cost + other support systems
23	2021	Ecosystem building: Support system costs	111	1	111		Knowledge support + Mail server cost + other support systems + Hackathon + hardware community integration + software community integration + android community integration+ prize money for Institutions and facilitators
24		Contingencies	100	1	100		100.00
						<b>5910.00</b>	

<b>Annexure -4</b>						
<b>YIP - 2018</b>						
<b>SL. NO</b>	<b>Sub ACTIVITIES</b>	<b>Micro ACTIVITIES</b>	<b>INDICATORS</b>	<b>DUE DATE</b>	<b>DELIVERABLE</b>	<b>ACCOUNTABLE PE</b>
1	Digital certificates to AIT winners and runner ups	Obtaining details from the master data, AIT application and DDFS files	Correctness of data, clarity and completeness	30th April	Path documents appropriately updated.	Nipin Raj
2	Digital certificates to AIT winners and runner ups	Communication with ICT for design	Cost, timelines and quality	3rd May	Design	Lakshmi, Anu Maria
3	Digital certificates to AIT winners and runner ups	Confirmation on contents and design	Clarity and brevity	4th May	Template	Lakshmi
4	Digital certificates to AIT winners and runner ups	Confirm blueprint	Confirmity of Standards	5th May	Certificate in draft form	Lakshmi
5	Digital certificates to AIT winners and runner ups	Badges (Winners only)	Delivery Record	7th May	Completed badges	Lakshmi, Anu Maria
6	Digital certificates to AIT winners and runner ups	Issuing certificates	Delivery Record	7th May	Completed certificates	Lakshmi, Anu Maria
7	Closure of AIT runner ups	Archiving of instance; cancellation of access rights	Proper Communication to the Mentees	30th May	Removing AIT runner ups from the mentor-mentee platform; remove login access rights, Documentation of Completed Work.	Nipin Raj
8	Obtain individual completion report (AIT winners)	Communication to mentees	Clarity and brevity	27th April	Letters to the mentees signed by the SA	Shaghna

9	Obtain individual completion report (AIT winners)	Completion of reports by the mentees	Completeness	31st May	Completion report including the detailed design documents, pictures and videos	Anu Maria
10	Obtain individual completion report (AIT winners)	Revision of path diagrams	Completeness	25th May	Revised timelines in Mentor-mentee platform	Nipin Raj
11	Obtain individual completion report (AIT winners)	Completion reports vetted by the concerned mentors	Agreement on completeness	31st May	Completion report with detailed design document, pictures and videos	Anu Maria
12	Communication to Mentors	Letter to KSUM, Mentors	Clarity and brevity	30th April	Letter signed by the SA	Shaghna
13	Communication to Mentors	Communication to Mentors through KSUM	Clarity and brevity	31st May	Formal communication from KSUM	Shaghna, Lakshmi, Anu Mariya
14	Utilisation certificate (AIT)	Letter to the Mentees	Completeness	28th April	Letter signed by the SA	Shaghna
15	Utilisation certificate (AIT)	Utilisation certificate	Correctness of data, clarity and completeness	25th May	Utilisation certificate signed by the Mentees	Anu Maria
16	Closure of AIT winners			15th May	Exit Workshop and strategy.	Shaghna, Anu Mariya
17	Closure of AIT winners	Intellectual property aspects	Detailing of IP Aspects	20th May	Discussion between Sri. RB. Puthran and mentees, mentors	Shaghna, Anu Mariya
18	Closure of AIT winners	Aspects of Market connect	Clarity of Market Connects	20th May	Anchoring by Sri. Dhanaj of KSUM	Shaghna, Anu Mariya

19	Closure of AIT winners	Archiving of instance; cancellation of access rights	Completion reports vetted by the concerned mentors; Utilisation certificate from the mentees	31st May	Instance archived and the AIT winners removed from the mentor-mentee platform; remove login access rights	Nipin Raj
20	Closure of AIT winners	Exit Workshop	Detailed Exit Strategy and Linkages		Exit Strategy Document	Shaghna, Anu Mariya
21	Story (AIT and NIT)	TOR with ICTAK	Guidelines, timelines, contents, quality	12th May	Letter signed by the SA	Lakshmi
22	Story (AIT and NIT)	Receivables pertaining to TOR	Agreement on contents to be delivered, quality, timelines	15th May	Confirmation by ICTAK	Lakshmi
23	Story (AIT and NIT)	inform mentees	Communication detailing the timelines of interaction; contents to be captured, protocols and quality	12th May	Letter from K DISC signed by SA	Lakshmi
24	Story (AIT and NIT)	Inclusion of details	Details from Proceedings; interaction with mentees	17th MAY	Contents to be included in the story	Lakshmi
25	Story (AIT and NIT)	Vetting by Mentors	Outlines to be shared with Mentors	20th May	Vetted stories	Lakshmi
26	Story (AIT and NIT)	Folder structure and access control for K DISC document server	Access control; logging	20th May	Access control finalised	Lakshmi

27	Story (AIT and NIT)	Creation of document repository in K DISC Server with proper access control and logging provisions	Document storage; central repository; access control; logging	25th May	Documents uploaded to corresponding folders in the document server	Nipin Raj
28	Story (AIT and NIT)	Publish in social media and website	Availability of information	30th May	Published contents in Website, FB pages	Lakshmi
29	Project artefacts (AIT and NIT)	TOR with ICTK	Guidelines, timelines, contents, quality	12th May	Letter signed by the SA	Lakshmi
30	Project artefacts (AIT and NIT)	Receivables pertaining to TOR	Agreement on contents to be delivered, quality, timelines	15th MAY	Confirmation by ICTK	Lakshmi
31	Project artefacts (AIT and NIT)	INFORM MENTEES	Communication detailing the timelines of recording; contents to be recorded, protocols and quality	12th May	Letter from K DISC signed by Anu Maria	Lakshmi
32	Project artefacts (AIT and NIT)	INCLUSION OF DETAILS	Work done by the mentees	17th MAY	Contents to be recorded	Lakshmi
33	Project artefacts (AIT and NIT)	PUBLISH IN SOCIAL MEDIA and WEBSITE	Availability of information	30th May	Artefacts published in Website, FB pages	Lakshmi
34	Hall of fame (AIT & NIT)	Process of including AIT and NIT winners in Hall of Fame	Concept development	11th MAY	Brainstorming	Anu Maria, Lakshmi
35	Hall of fame (AIT & NIT)	Partnership of KSUM	Assessing Maturity of Products	30th May	Discussions	Anu Maria
36	Hall of fame (AIT & NIT)	Implementation	Aesthetic parameters ; details to be included	15th June	Details extracted from the storyboard will go into a specific area of the K-DISC web	Lakshmi, Anu Maria

					site named as "Hall of Fame"	
37	NIT Second instalment release	Communication to Mentees	Timelines, Contents	11th MAY	Letters to the mentees signed by the SA - regarding completion of work; utilisation of money given as the first instalment	Shaghna, Anu Mariya
38	NIT Second instalment release	UTILISATION CERTIFICATE	Timelines; completeness	30th May	Utilisation of money spent by the mentees	Shaghna, Anu Mariya
39	NIT Second instalment release	Collect progress report	Current Status of the project	30th May	Reports from the mentees vetted by the concerned mentors	Shaghna, Anu Mariya
40	NIT Second instalment release	Communication with KSUM	Timelines, Contents	15th MAY	Letter signed by the SA	Shaghna, Anu Mariya
41	NIT Second instalment release	Mentor approval	Current Status of the project	30th May	Followup	Anu Maria, Lakshmi
42	NIT Second instalment release	Request for fund release	Timelines, budget	31st May	File initiation in DDFS	Shaghna
43	NIT Second instalment release	Update Mentor-Mentee platform	Completeness	31th May	Mentor mentee platform instance updated	Nipin Raj
44	Digital certificates to NIT winners and runner ups (and 2 AIT winners)	Obtaining details from the master data, NIT application and DDFS files	Correctness of data, clarity and completeness	30th June	Path documents appropriately updated.	Nipin Raj

45	Digital certificates to NIT winners and runner ups (and 2 AIT winners)	Communication with ICT	Cost, timelines and quality	1st July	Proposed design and details to be included	Lakshmi, Anu Maria
46	Digital certificates to NIT winners and runner ups (and 2 AIT winners)	Confirmation on contents and design	Clarity and brevity	4th July	Template	Lakshmi
47	Digital certificates to NIT winners and runner ups (and 2 AIT winners)	Confirm blueprint	Confirmity of Standards	5th July	Certificate in draft form	Lakshmi
48	Digital certificates to NIT winners and runner ups (and 2 AIT winners)	Badges (Winners only)	Delivery Record	7th July	Completed badges	Lakshmi, Anu Maria
49	Digital certificates to NIT winners and runner ups (and 2 AIT winners)	Issuing certificates	Delivery Record	7th July	Completed certificates	Lakshmi, Anu Maria
50	Closure of runner ups	Archiving of instance; cancellation of access rights	Proper Communication to the Mentees	7th July	Removing AIT runner ups from the mentor-mentee platform; remove login access rights, Documentation of Completed Work.	Nipin Raj
51	Obtain individual completion report (NIT winners and 2 AIT winners)	Communication to mentees	Timelines, contents	1st June	Letters to the mentees signed by the SA	Shaghna, Anu Maria

52	Obtain individual completion report (NIT winners and 2 AIT winners)	Completion of reports by the mentees	1. Status of the project 2. Uniqueness of the product 3. Potentiality of the product 4. Potential competitors 5. Scope for further expansion 6. Future research plans	30th June	Completion report including the detailed design documents, pictures and videos	Anu Maria
53	Obtain individual completion report (NIT winners and 2 AIT winners)	Revision of path diagrams	Timelines, quality, productivity, effectiveness	1st July	Revised timelines in Mentor-mentee platform	Nipin Raj
54	Obtain individual completion report (NIT winners and 2 AIT winners)	Completion reports vetted by the concerned mentors	1. Status of the project; 2. Authenticity of the report	30th June	Completion report with detailed design document, pictures and videos	Anu Maria, Lakshmi
55	Communication to Mentors	Letter to KSUM, Mentors	Clarity and brevity	30th June	Letter signed by the SA	Shaghna
		Communication to Mentors through KSUM	Mentors feedback on YIP 2018, inputs on Exit Strategy; suggestions from the mentors.	10th July	Formal communication from KSUM	Shaghna, Anu Maria, Lakshmi
56	Utilisation certificate (NIT winners and 2 AIT winners)	Letter to the Mentees	Guidelines, timelines, quality	30th June	Letter signed by the SA	Shaghna
		Utilisation certificate	Timelines, authenticity, correctness, quality	10th July	Utilisation certificate signed by the Mentees	Anu Maria
57	Closure of NIT winners and 2 AIT winners)			15th July	Exit Workshop and strategy.	Shaghna, Anu Mariya
58	Closure of NIT winners and 2 AIT winners)	Intellectual property aspects	Effectiveness of Exit Strategy	20th July	Discussion between Sri. RB. Puthran	Shaghna, Anu Mariya

					and mentees, mentors	
59	Closure of NIT winners and 2 AIT winners)	Aspects of Market connect	Interaction with Mentees, Mentors and consolidation.	22nd July	Anchoring by Sri. Dhanaj of KSUM	Shaghna, Anu Mariya
60	Closure of NIT winners and 2 AIT winners)	Archiving of instance; cancellation of access rights	Completion reports vetted by the concerned mentors; Utilisation certificate from the mentees	31st July	Instance archived and the AIT winners removed from the mentor-mentee platform; remove login access rights	Nipin Raj
61	Closure of NIT winners and 2 AIT winners)	Video call with Winners (or physical meeting if restrictions lifted)	Recognising the winners (AIT and NIT 2018) and mentors	31st July	Completion of YIP 2018	Anu Maria
62	Closure of NIT winners and 2 AIT winners)	Exit Workshop	Detailed Exit Strategy and Linkages	31st July	Exit Strategy Document	Shaghna, Anu Maria
63	Recognition of mentors	Rewarding the effort of mentors	Closure of YIP 2018	31st July	Digital badges and certificates to the mentors	Lakshmi, Anu Maria
64	Recognition of mentors	WhatsApp group of YIP 2018		30th June	WhatsApp Group of mentors, mentees and other stakeholders created	Lakshmi
65	Budgeting	Tabulation of expenses incurred/ to be incurred with various stakeholders	Completeness of Data	12th May	Expenditure statement for YIP 2018	Arunima

66	Budgeting	Payments to be made, if any	Smooth settlements	14th May	Processing of payments	Shaghna
67	Budgeting	Expenditure monitoring	Budget Control	30th May	Budget control with the purview of KPA-KRA	Arunima
68	Budgeting	Progress report	Accounts closure	30th May	Expenditure statement for YIP 2018	Arunima
69	Firming up ICT System	Reprofiling NIT and AIT winners and updating them in Idea Portal	Completeness of Data	30th May	Updated Profiles	Anu Maria, Nipin
70	Firming up ICT System	Profiling of mentors and updating them in the Idea Portal	Completeness of Data	30th May	Updated Profiles	Anu Maria, Lakshmi
71	Firming up ICT System	Historic Data porting plan	Completeness of Data	15th June	Complete past data covering challenges, contacted institutions, stages of selection, data sets and idea repository assigned to institutions wherever possible	Nipin, Bala, Sreekanth

## YIP - 2019

Sl. No	Activity	Sub activity	Deliverables	Indicators	From	To	Responsibility	Remarks	Points to remember
1	List of teams - final updation		Consolidated team list	List of ideators -themewise; agewise; district wise	05-05-2021	10-05-2021	Jaimon	There are idea teams who have quit YIP; the list of ideators is to be consolidated and recorded in the idea portal and incorporated into our planning.	Consolidating mails from the concerned teams who have intimated their decision to exit the program.
2	Existing issues with AIT 2019		Updated Mentor-Mentee platform	Timelines to be properly updated	12-05-2021	16-05-2021	Nipin and Jaimon	Many teams are yet to update their pitch deck	Ensure active updation of work progress in mentor - mentee platform on regular basis. Data sets called from ICT have not been obtained yet.
3	Existing issues with AIT 2019		Strategy for achievement	Complete Coverage and prioritisation.	20-05-2021	23-05-2021	Jaimon, Ajith		Ensure a strategy of prioritisation based on time, cost, usability and potential
4	Existing issues with AIT 2019		Up to date financial details obtained	Complete Coverage and prioritisation.	24-05-2021	27-05-2021	Nipin and Jaimon	Expenditure statement is necessary also need to ensure the disbursement of next installment. First installment of Rs 86,550 disbursed on 27-03-2021	Expenditure statement is necessary to facilitate payment processing in the future

5	Existing issues with AIT 2019		Pitch decks of 2019 winners obtained from Start up Mission and missing collected from teams	Complete Coverage	24-05-2021	30-05-2021	Jaimon	Time, usability and potential ascertained	Documentation and strategisation
6	Consolidation of boot camp details of 371 ideators		Report on bootcamps conducted by ICT for ideators YIP 2019	Collection of data from ICT	25-05-2021	31-05-2021	Jaimon	Still lacking a full report on the bootcamps done by ICT	Need a full data for documentation and release of balance funds
7	Boot camps for YIP 2019 Winners	Boot Camp 1 - Training on Design Thinking	Inputs on Design Thinking	Additional Boot Camps if required			Jaimon, ICTAK		
8	Boot camps for YIP 2019 Winners	Boot Camp 2 - Immersion	Design thinking integrated	Additional Boot Camps if required			Jaimon, To be decided		
9	Boot camps for YIP 2019 Winners	Boot Camp 3 - Maker Session	Design thinking integrated	Additional Boot Camps if required			Jaimon, To be decided		

10	Product Development methodology training to YIP 2019 mentors	Completeness of mentor training and putting in place a mentoring strategy	To provide training to all mentors of YIP 2019 with the help of IIM Kozhikode.	Majority of the mentors of YIP 2019 are not from the Mentor panel of K DISC. So it is necessary to provide a training by IIM as done during the earlier 2018 cycle	24-05-2021	05-06-2021	Shagna, Nipin and Jaimon	For YIP 2019 majority of the mentors did not acquire the mentoring framework.	List out active mentors in active idea groups, discuss with Dhanaj and work out training plan. Convenience of IIM Calicut faculty Strategy document on innovation promotion in each sector.
11	Completeness of mentor training and putting in place a mentoring strategy	Completeness of mentor training and putting in place a mentoring strategy	Completeness of mentor training and putting in place a mentoring strategy	Mentoring strategy formulated		15.06.2022	Arunima		
12	Updation of mentor mentee platform		Assessment of gaps in mentoring	Feedback to be collected from Mentees	16-06-2021	21-06-2021	Jaimon, Abhijith, Bala		

13	Updation of mentor mentee platform		Onboarding of mentor and mentees of mentor mentee platform	Report of status of mentee updation and follow up actions	21-06-2021	26-06-2021	Nipin and Jaimon	Mentor-mentee platform not fully activated.	There are teams yet to upload their proper timeines. The mentor-mentee platform should fulfill a mechanism of effective mentor-mentee interaction and progress. Strategies for one more AIT and two NITs need to be put in place.
14	Review meetings		Sreamlining mentoring plan, prioritisation	Identification of tracks and support systems	20-05-2021	31-05-2021	Jaimon and all PEs	Prioritisation, categorisation of inputs as domain, market based and IP related to be addressed. Special needs to be flagged.Low hanging fruits to be identified and addressed.	There are teams complaining that we did not fulfil the requirements they asked for. Such issues need to be flagged and closed.
15	Review meetings		Devise a strategy of seggegation of teams by product focus, social innovation focus, time, cost, usability and potential/soci al worth.	Teams classified into 3 groups - product design/ reserch/ social development, mentor-mentee interaction frequency to be multiplied and progress recorded.	01-06-2021	07-06-2021	Jaimon, Abhijith, Ajith		Seggregation and systems of supervision will bring in more clarity into further course of actions

16	Review meetings		Interaction with Partnering Institutions	Discussion with 11 partnering institutions on assessment of needs - knowledge, resources; overcoming constraints	07-06-2021	10-06-2021	Ajith		
17	Review of AIT Teams		Conduct a complete review of AIT teams of YIP 2019 with mentors	Conduct review on team basis also with the participation from the side of K DISC headquarters team and make a report on the activities to be taken up in the future, address issues identified earlier.	05-06-2021	08-06-2021	Jaimon, thematic PEs and Nipin	Prioritisation of teams and develop improved support systems. Increase mentor - mentee interaction three fold of present and record progress.	Institutional support from 11 institutions who have been given Rs. 42.204 lakhs need to be ensured.
18	Review of AIT Teams	Intellectual property aspects	IP potential of the product discussed	Uniqueness of the product; potentiality of the product; Scope for further expansion;		10.06.2021	Shaghna, Jaimon		

				Future research plans				
19	Review of AIT Teams	Aspects of Market connect	Entrepreneurial aspects of the product discussed	Uniqueness of the product; potential competitors; scaling up needed; entrepreneurial aspects		10.06.2021	Shaghna , Jaimon	
20	Review of AIT Teams	Domain aspects	Gaps in domain knowledge ascertained; strategy to bridge the gaps, if any	The technological dimension of the product juxtaposed with the ideator's expertise; to be routed to experts who can bridge the gap.		12.06.2021	Shaghna , Jaimon	

21	Review of AIT Teams	Business model aspects	Ascertaining whether the business model proposed by the ideator is viable	Finding the gaps between the proposed/ desired aspects of the business model; remedial actions proposed after deliberations.		15.06.2021	Shaghna , Jaimon		
22	Mentoring of AIT winners		Mentoring of AIT jointly with institutional mentors	Improved system of mentoring and outputs	10-06-2021	31-12-2021	Jaimon	Strategy to flag needs as domain, business plan/market study or IP related and project MVP, Market linkage or PoC, Scaleup targets	
23	Institutional Plans		Innovation strategy document for the domain.		18-06-2021	21-06-2021	Jaimon, Lakshmi	Listing of additional projects in the domain, detailing problem canvas, identify senior researchers as guides. Big picture and strategy in Log Frame structue.	

24	Institutional Plans		To make an institutional plan of partnering institutions based on the funds disbursed by K-DISC for mentoring and support of selected ideas	Prepare a plan with partnering institutions post disbursement of the amount for completion of responsibilities .	21-06-2021	25-06-2021	Shagna, Nipin and Jaimon	11 Partner institutions did well during evaluations, the partnership needs to be continued for further interactions and formulating prioritised outputs from mentees.	They have to continue for YIP 2020 and the partnerships need to be strengthened.
25	Institutional Plans	Linking domain innovation strategies to the ideas; identifying issues institutionally	Linking mentoring plans and institutional plans	Domain innovation strategies linked to the ideas and additional support components listed based on reviews for institutional reporting.		26-06-2021	Arunima , Jaimon		
26	Institutional Plans	Prioritisation of existing mentoring strategies	Mentoring, closure and exit	Effective mentoring, and series of outputs from the programme		26-06-2021	Arunima		

27	Institutional Plans	Developing institutional plans; Statement of deliverables	Plans Integrated	Integration of all the plans related to KRA - KPA		28-06-2021	Arunima		
28	Joint evaluation of NIT	Scheduling	List of NIT winners	Choice of mentees, IT support system		15-07-2021	Jaimon		
29	Obtain individual completion report (AIT winners)	Communication to mentees	Letters to the mentees signed by the SA	Timelines, contents, path documents, evaluation committee fundings		30.09.2021	Shaghna		
30	Obtain individual completion report (AIT winners)	Completion of reports by the mentees	First installment Completion report including the detailed design documents, pictures and videos	1. Status of the project 2. Uniqueness of the product 3. Potentiality of the product 4. Potential competitors 5. Scope for further expansion 6. Future research plans		30.11.2021	Jaimon		
31	Obtain individual completion	Revision of path diagrams	Revised timelines in Mentor-	Timelines, quality, productivity, effectiveness		15.12.2021	Nipin Raj		

	report (AIT winners)		mentee platform						
32	Obtain individual completion report (AIT winners)	First Installment completion reports vetted by the concerned mentors	Completion report with detailed design document, pictures and videos	1. Status of the project; 2. Authenticity of the report		20.12.2021	Jaimon		
33	Obtain individual completion report (AIT winners)	Followup Action plans and strategy for deliverables.	Clear Action plan and commitment from mentors, institutions and mentees	Completeness of the plans developed		25-12-2021	Jaimon		
34	Obtain individual completion report (AIT winners)	Detailed Exit Strategy and Linkages		Exit Strategy Document			Jaimon		
35	Communication to Mentors	Letter to Institution Heads	Letter signed by the SA	Timelines, quality		15.10.2021	Shaghna		
36	Communication to Mentors	Communication to Mentors through Institution Heads	Formal communication from Institution Heads	Mentors feedback on YIP 2019, inputs on output Strategy; suggestions		31.10.2021	Shaghna		

				from the mentors.					
37	Closure of AIT winners	Archiving of instance; cancellation of access rights	Instance archived and the AIT winners removed from the mentor-mentee platform; remove login access rights	Completion reports vetted by the concerned mentors; Utilisation certificate from the mentees		31.12.2021	Nipin Raj		
38	Closure of AIT winners	Detailed Exit Strategy and Linkages		Exit Strategy Document		20.12.2021	Jaimon		
39	Mentoring of NIT winners		Mentoring of NIT jointly with institutional mentors	Support; monitoring	15.07.2021	30.06.2022	Jaimon		
40	Joint evaluation of AIT - II	Scheduling	List of AIT II winners	Choice of mentees, IT support system		31.10.2021	Jaimon		
41	Mentoring of AIT - II winners		Mentoring of NIT jointly with institutional mentors	Support; monitoring		30.06.2022	Jaimon		

42	Recognition of mentors	Rewarding the effort of mentors	Closure of YIP 2019	Digital badges and certificates to the mentors		15.06.2022	Lakshmi		
43	Recognition of mentors	WhatsApp group of YIP 2019	WhatsApp Group of mentors, mentees and other stakeholders crested			30-04-2022	Lakshmi		
44	Budgeting	Tabulation of expenses incurred/ to be incurred with various stakeholders	Expenditure statement for YIP 2019	Deatails of complete expenditure for YIP 2019 including AIT 1, AIT 2 and NIT		15-05-2022	Arunima		
45	Budgeting	Payments to be made, if any	Processing of payments	Payments to be made; to be decided from the expenture statement referred above		17-05-2022	Shaghna		
46	Budgeting	Expenditure monitoring	Budget control with the purview of KPA-KRA	Control over payments		30-05-2022	Arunima		

47	Budgeting	Progress report	Activity completion report with the purview of KPA-KRA	Control over completion of activities		31-05-2022	Arunima		
48	Payments to institutional partners	Planning institutional setups				31-05-2021	Shaghna		
49	Payments to institutional partners	Agreements				30-06-2021	Shaghna		
50	Payments to institutional partners	Plan monitoring				30-05-2022	Shaghna		
51	Payments to institutional partners	Fund releases				31-12-2021	Shaghna		
52	Payments to institutional partners	Expenditure Monitoring				31-05-2022	Arunima		
53	Strengthening ICT Systems	Updating profiles of Mentees	Completeness and coverage	Systems for profile updating and clear communication		31.01.2022	Jaimon, ICTAK, Shaghna		
54	Strengthening ICT Systems	Updating profiles of Mentors	Completeness and coverage	Clarity on Mentoring		30.11.2021	Jaimon, ICTAK, Shaghna		

55	Strengthening ICT Systems	Updating AIT Pitchdecks , Evaluation Reports etc	Completeness and coverage	Effective AIT strategisation		15.02.2022	Jaimon, ICTAK, Shaghna		
56	Strengthening ICT Systems	Updating profile of facilitators	Completeness and coverage	Integration of facilitators with DIC and Innovation Ecosystem		30.11.2021	Jaimon, ICTAK, Shaghna		
57	Strengthening ICT Systems	Updating profile of institutions	Completeness and coverage	Clarity on Institutional Hub and Partner institutions		30.11.2021	Jaimon, ICTAK, Shaghna		

## YIP - 2020

Sl. No.	Activity	Sub activity	Deliverables	INDICATORS	TARGET	FULLIFIED BY
1	Video Conferencing with Partnering Institutions		Clarity on the norms for evaluation and mentoring of talents	Effective Communication	15th March	Manu
2	Signing of MoUs		Signed MoUs	Clarity on term, budgetings of reference, area of expertise of the partnrng institutions	31st March	Manu
3	Interaction with Partnering Institutions		Discussion with 43 partnering institutions on assessment of needs - knowledge, resources; overcoming constraints	Broad action plan	15th Jume	Ajith
4	Institutional Plans	Developing institutional plans; integration of activities	Prepare a plan with partnering institutions post disbursal of the amount for completion of responsibilities.	Innovation strategy document for specific domains institution wise	15th June	Jinsha, Lakshmi
5	Institutional Plans	Developing institutional plans; integration of activities	Prepare a plan with partnering institutions post disbursal of the amount for completion of responsibilities.	To make an institutional plan of partnering institutions based on the funds disbursed by K-DISC for mentoring and support of selected ideas.	20th June	Shagna, Nipin and Jinsha

6	Institutional Plans	Developing institutional plans; integration of activities	Listing of additional projects in the domain, detailing problem canvas, identify senior researchers as guides. Big picture and strategy in Log Frame structure.	Innovation strategy document for the domain to be pursued by each institution and researchers	20th June	Arunima
7	Institutional Plans	Developing institutional plans; integration of activities	Prioritization of existing innovation strategies - Effective mentoring, closure and strategies for outputs from the programme	Effective mentoring, and series of outputs from the programme	20th June	Arunima
8	Institutional Plans	Developing institutional plans; integration of activities	Developing institutional plans; integration of activities - Integration of all the plans related to KRA - KPA	Plans Integrated	20th June	Arunima
9	Cycle I - Preliminary evaluation (3rd)		List of ideators for second stage evaluation	Evaluation Sheets and Distribution	8th March	Abhijith, Bala, Dr. PV Unni
10	Cycle II - Preliminary evaluation		List of ideators for second stage evaluation	Evaluation Sheets and Distribution	2nd March	Abhijith, Bala, Dr. PV Unni
11	Cycle II - Preliminary evaluation (3rd)		List of ideators for second stage evaluation	Evaluation Sheets and Distribution	10th March	Abhijith, Bala, Dr. PV Unni
12	Finetuning of data		List of ideators; no duplicates; categorised w.r.to age, district, theme	Firming up database	28th April	Jinsha, Bala

			and sub theme; no teachers/ mentors			
13	Boot camp I (Design thinking)		Design thinking and pitch deck preparation course conducted by the ICT academy	Readiness for Secondary Evaluation	1st May	Jinsha
14	Completeness of mentor training and putting in place a mentoring strategy	Liking domain innovation strategies to the ideas; identifying issues institutionally	Mentoring strategy formulated	Mentor Strategy linked to institutional plans	15th June	Arunima
15	Student registration for evaluation		Evaluation slots for ideators	Evaluation plan	30th April	Jinsha, Bala
16	IT system for evaluation		Modifications on the existing system	Readiness of the IT system	30th April	Jinsha, ICTK
17	Second stage evaluation framework is ready		Guidelines to evaluators ready; in the light of CoP being implemented, the evaluation criteria need to be amended subject to discussions with KSUM	Criteria for evaluation, marks for each parameter being evaluated	20th April	Dhanaj, Dr. PV Unni
18	Second stage evaluation		List of ideators for state level evaluation	Evaluation Report and Selection List	15th June	Jinsha, Bala, ICTK

19	Categorisation of ideas		Segregation of Tracks into Product Design + Marketing/ Experimental Design + Research/ Social Experiment + Pilot + Scaling	Ideas grouped into three categories	5th June	Jinsha, Abhijith, Bala, Ajith
20	Boot camp II (Immersion)		Ideators Ready for State Level Evaluation with pitch decks	Ideators ready for State level Evaluation	17-22 June	Jinsha
21	State level evaluation		Final list of Ideators	Detailed Evaluation Report and Final List based on track, domain and ABC Categorisation, Path Documents	25-27 June	Jinsha, Bala, ICTK
22	Digital certificates to Second Level winners and participants; State Level winners and participants	Obtaining details from the master data and DDFS files	Correctness of data, clarity and completeness	Path documents	29th June	Nipin Raj
23	Digital certificates to Second Level winners and participants; State Level winners and participants	Communication with ICT	Cost, timelines and quality	Proposed design and details to be included	30th June	Lakshmi, Jinsha
24	Digital certificates to Second Level winners and participants; State Level winners and participants	Confirmation on contents and design	Clarity and brevity	Template	1st July	Lakshmi

25	Digital certificates to Second Level winners and participants; State Level winners and participants	Confirm blueprint	Proofing	Certificate in draft form	3rd July	Lakshmi
26	Digital certificates to Second Level winners and participants; State Level winners and participants	Badges (Winners only)	Delivery Record	Completed badges	5th July	Lakshmi, Jinsha
27	Digital certificates to Second Level winners and participants; State Level winners and participants	Issuing certificates	Delivery Record	Completed certificates	5th July	Lakshmi, Jinsha
28	Additional Hopper for State Evaluation Discardees		Intervention plans developed for each ideator and better groups routed to the second state evaluation window for further processing.	Option can be provided for the runner-ups for another entry to the challenge after an improvementone workshop(State level)	30th June	Nipin
29	Mentor - Mentee platform onboarding		Onboarding of menter and mentees of mentor mentee platform	Actiavation of Mentor mentee platfrom wat the state levelith the help of ICT	16th June	Nipin, Jinsha

30	Training - Product development methodology, simulation, modelling, rapid prototyping (?) to YIP 2020 mentors		To develop a mentoring framework	Majority of the mentors of YIP 2020 are not from the Mentor panel of K DISC. So it is necessary to provide a training by IIM as done during the earlier 2018 cycle. Mentoring framework to segregate domain, IP, BP and productisation issues.	25th June	Shagna, Nipin and Jinsha
31	Training - Product development methodology, simulation, modelling, rapid prototyping (?) to YIP 2020 mentors		Completeness of mentor training and putting in place a mentoring strategy (RBM frame work will be in place)	Mentoring strategy formulated	30th June	Arunima
32	Mentor meetup		Allocation of mentors based on idea/ onboarding mentor - mentee platform.	Institution connect and allocation of mentors	5th July	Lakshmi, Jinsha, Bala, ICTK
33	Boot camp III (Maker Session)		Productisation Strategy	Completeness on product strategy	7-10 July	Jinsha
34	IP, BP, Productionisation, Research, Social Enterprise Support System put in place		Clear support strategy	Completeness on product strategy	7-10 July	Jinsha
35	Joint evaluation of AIT		List of AIT winners	Choice of mentees, IT support system	15th July (AIT I), 1st April 2022 (AIT II)	Nipin, Jinsha
36	Joint evaluation of NIT I		List of NIT winners	Choice of mentees, IT support system	1st September	Nipin, Jinsha

37	Mentoring of AIT I winners		Mentoring of AIT jointly with institutional mentors	Support; monitoring	30th June 2022	Jinsha
38	Review of mentees		IP aspects discussed	Uniqueness of the product; potentiality of the product; Scope for further expansion; Future research plans	15th March 2022	Shaghna, Jinsha
39	Review of mentees		Domain aspects - Gaps in domain knowledge ascertained; strategy to bridge the gaps, if any	Uniqueness of the product; entrepreneurial aspects	18th March 2022	Shaghna, Jinsha
40	Review of mentees		Aspects of Market connect	Entrepreneurial aspects of the product discussed - Uniqueness of the product; potential competitors; scaling up needed; entrepreneurial aspects	20th March 2022	Shaghna, Jinsha
41	Review of mentees		Business model aspects	Ascertaining whether the business model proposed by the ideator is viable; finding the gaps between the proposed/ desired aspects of the business model; remedial actions proposed after deliberations.	20th March 2022	Shaghna, Jinsha
42	Review of mentees		ABC analysis of mentees' achievements done	Their achievements appraised on accounts of novelty, appropriateness, market connect, IP aspects, scope for improvements (process/ product)	30th June 2022	Arunima
43	Closure of winners		Instance archived and the AIT winners removed from the mentor-mentee platform; remove login access rights	Completion reports vetted by the concerned mentors; Utilisation certificate from the mentees	30th June 2022 AIT I), 30th March 2023(AIT II)	Nipin Raj

44	Recognition of mentors		Closure of AIT 2020	Digital badges and certificates to the mentors	30th June 2022	Lakshmi
45	Recognition of mentors		WhatsApp group of YIP 2020	WhatsApp Group of mentors, mentees and other stakeholders created	10th June 2022	Lakshmi
46	NIT - Periodic mentoring, hand holding and closure		Periodic mentoring and reviewing			
47	Budgeting		Tabulation of expenses incurred/ to be incurred with various stakeholders	Expenditure statement for YIP 2020 - Deatails of complete expenditure for YIP 2020 including AITs and NITs	15-03-2023	Arunima
48	Budgeting		Payments to be made, if any	Processing of payments - Payments to be made; to be decided from the expenture statement referred above	17-05-2023	Shaghna
49	Budgeting		Expenditure monitoring	Budget control with the purview of KPA-KRA - Control over payments	30-03-2023	Arunima
50	Budgeting		Progress report	Activity completion report with the purview of KPA-KRA - Control over completion of activities	31-03-2023	Arunima
51	Payments to institutional partners		Planning institutional setups		31-03-2023	Shaghna
52	Payments to institutional partners		Agreements		31-03-2023	Shaghna
53	Payments to institutional partners		Plan monitoring		31-03-2023	Shaghna
54	Payments to institutional partners		Fund releases		30-01-2023	Shaghna

55	Payments to institutional partners		Expenditure Monitoring		31-03-2023	Arunima
56	Activities - AIT II				01-09-2021 to 31-03-2023	Jinsha
57	Activities - NIT II				01-04-2022 to 31-03-2023	Jinsha
58	Roadshow for successful prototypes				20-25 March 2023	Jinsha, Dhanaj, BRB Puthran, Bala
59	Second state level evaluation window		Evaluation outcomes for runner up		31st March 2023	Jinsha, Dhanaj, BRB Puthran, Bala
60	Improving Evaluation Framework		Refinement of framework based on review inputs		31st March 2023	Jinsha, Dhanaj, Bala
61	ABC Analysis of NIT and AIT Selected		Their achievements appraised on accounts of novelty, appropriateness, market connect, IP aspects, scope for improvements (process/ product)		31st March 2023	Jinsha, Dhanaj, Bala
62	RBM Framework for monitoring Mentors		Developing institutional plans; integration of activities - Integration of all the plans related to KRA - KPA		31st March 2023	Jinsha, Dhanaj, Bala

## YIP - 2021

	Activity	Deliverables	INDICATORS	TARGET	FULLIFIED BY
1	Background Document preparation on YIP 2021	To prepare a consolidated 2 page document on YIP 2021	Initial framework of YIP 2021	15.03.2021	Dhanaj, Ajith, Dr. PV Unni, Bala
2	Selection of CoP themes	Five themes finalised	Can dwelve into problems statements in the chosen domains	25.03.2021	Abhijith , Ajith, Dr. PV Unni
3	CoP detail plan	CoP Framework	The CoP will have an identified set of resources and will be responsible for creating a problem shelf	15.05.2021	Abhijith, Ajith
4	Voice of customer module preparation	Preparation of initial activities of voice of customer module	Initial framework	31.05.2021	Bala, Dhanaj, Ajith
5	Voice of customer module finilisation	List out the changes needed in the IT platform	Finalised Framework, & modified IT systems	15.06.2021	Bala, Abhijith, Ajith, Dr. PV Unni
6	CoP Registration - Institutions	Partnering institutions registerd	Details will be brought into the CoP Module of the YIP Portal when ready	20.06.2021	Abhijith, Ajith
7	URS preparation for CoP platform	The Scope and objectives need to be discussed and shared	URS document	10.06.2021	Abhijith , Ajith, Dr. PV Unni, Bala
8	CoP Platform	Interaction platform for the CoP members.	The CoP platform is now implemented	15.07.2021	ICTAK

9	Identifying key point of contacts @ institutions	Contact list	Interactions with institutions; contact details	15.05.2021	Anu Joseph, Rajasree MS, Abhijith
10	Core group @ institutions	Core groups; a Dedicated Community Leader (DCL) for each community (institutional hub). He/She should be knowledgeable about the topic, have good networks of scholars/experts/practitioners, energy to encourage cooperation and will devote ample time to it.	Strategic tie-ups; CoPs with content. Events and activities focusing on achieving short-term value-added goals. The roles are clear and that support structures are in place.	30.05.2021	Anu Joseph, Rajasree MS, Abhijith, Greeshma
11	CoP Registration -Members	Members are registered	Deetails will be brought into the Cop Module of the YIP Portal when ready	30.07.2021	Anu Joseph, Rajasree MS, Abhijith, Greeshma
12	Stakeholders meeting	To portray a brief picture of YIP 2021; announcement of YIP 2021; discussions with ASAP authorities to integrate Hackathon winners to YIP 2021. 1. Orientation about CoPs. 2. Developing tools and techniques to capture the details of CoPs and also for the CoPs to interact and share knowledge with each other. 3. Sharing Problem Statement Canvas and templates with CoPs.	Discussion with stakeholders and ASAP; the research areas, capabilities and experts from the 5 institutions are identified 1. Develop relationships with each institution. 2. Creating member profiles in each institutional hub. 3. Conduct online meetings/chat/discussions. 4. Community activity planning and reporting.	25.06.2021	Anu Joseph, Rajasree MS, Abhijith, Ajith, Greeshma

13	TOR	TOR finalised with selected institutions	Themes, sub themes, nature of problem statements, scope of work, timelines, nature of support, financial aspects	30.06.2021	Anu Joseph, Rajasree MS, Abhijith
14	CoP Member Training	To provide training to all mentors of YIP 2021. Training provider is to be decided.	Clarity on outputs	01.07.2021	Anu Joseph, Rajasree MS, Abhijith
15	Completeness of mentor training and putting in place a mentoring strategy	Mentoring strategy formulated	Clarity on strategy	10.07.2021	Arunima
16	Problem identification	Problems which are relevant to Kerala context	Identified problems	15.06.2021	Anu Joseph, Rajasree MS, Abhijith, Ajith, Greeshma
17	Format for shelves of projects	In what format the problem statements traverse across the CoP core group & members	Format of problem statements for uploading in portal	12.06.2021	Abhijith, Ajith, Greeshma
18	IT System Up and Running	New CoP module linked to existing YIP portal	New IT system in place	15.07.2021	Ajith, ICTK
19	Problem Shelf Validation	Statements authenticated for their relevance, perfection and clarity	Statements ready	17.07.2021	Anu Joseph, Rajasree MS, Abhijith

20	Submission of the problem shelves	Problems statements brought into the portal	Statements are ready in the portal	20.07.2021	Anu Joseph, Rajasree MS, Abhijith, ICT
21	Complete prototyping	User testing completed, CoP members suggestion will be incorporated	Problem shelf created and converted into a digital repository	31.07.2021	Abhijith, Ajith
22	Online/offline advertisement of YIP 2021	Announcements of YIP 2021 in all media mentioning main quotes from the budget speech	Brochure/ poster/ online (Websites, FB pages; Whatsapp groups) - offline news /radio	01.07.2021	Lakshmi
23	Meeting with CMD, mByom	To bring in the essence of OLOI to YIP 2021	Incorporating OLOI takeaways to YIP	15.06.2021	Abhijith, Ajith, Dr. PV Unni
24	Signing of MoUs	Signed MoUs	Clarity on term, budgetings of reference, area of expertise of the partnering institutions	30.06.2021	Anu Joseph, Rajasree MS, Manu, Shagna
25	Training - Product development methodology, Orientation of simulation, modelling, rapid prototyping. Mentoring framework to segregate domain, IP, BP, Productionisation, Research, Social Enterprises ?) to YIP 2020 mentors	To provide training to all mentors of YIP 2021 with the help of IIM Kozhikode	Majority of the mentors of YIP 2021 are not from the Mentor panel of K DISC. So it is necessary to provide a training by IIM as done during the earlier 2018 cycle	02.07.2021	Shagna, Nipin, Anu Joseph, Rajasree MS

26	Training - Product development methodology, Orientation of simulation, modelling, rapid prototyping. Mentoring framework to segregate domain, IP, BP, Productionisation, Research, Social Enterprises ?) to YIP 2020 mentors	Completeness of mentor training and putting in place a mentoring strategy	Mentoring strategy formulated	02.07.2021	Arunima
27	Interaction with Partnering Institutions		Discussion with partnering institutions on assessment of needs - knowledge, resources; overcoming constraints	10.07.2021	Anu Joseph, Rajasree MS, Abhijith, Ajith
28	Institutional Plans	Linking domain innovation strategies to the ideas; identifying issues institutionally - Domain innovation strategies linked to the ideas and relevant issues identified	Innovation strategy document for the domain.	20.08.2021	Anu Joseph, Rajasree MS, Abhijith, Lakshmi, Arunima
29	Institutional Plans	Prepare a plan with partnering institutions post disbursement of the amount for completion of responsibilities.	To make an institutional plan of partnering institutions based on the funds disbursed by K-DISC for mentoring and support of selected ideas.	25.08.2021	Arunima, Twinkle, Abhijith
30	Institutional Plans	Prioritization of existing innovation strategies -	Problem statement focus areas	30.08.2021	Arunima

31	Institutional Plans	Developing institutional plans; integration of activities - Integration of all the plans related to KRA - KPA	Plans Integrated	30.08.2021	Arunima
32	Connected events		Reachability of the programme	01.07.2021	Lakshmi, Shagna, Anu and Rajasree
33	Tie up with Fab Lab	Agreement for mentorship on rapid prototyping	TOR	25.06.2021	Anu Joseph, Rajasree MS, Shaghna
34	Tie up with ASAP	Agreement for bringing in the winners of ASAP Hackathon to YIP 2021	TOR	25.06.2021	Anu Joseph, Rajasree MS, Shaghna
35	Extension of agreement with KSUM	To provide advice on evaluation, mentoring and market connect	TOR	25.06.2021	Anu Joseph, Rajasree MS, Shaghna
36	Extension of agreement with ICT Academy for Alive and Orysys	To provide advice on evaluation, mentoring and IP support	TOR	25.06.2021	Anu Joseph, Rajasree MS, Shaghna
37	Tie up with a Premium Design Institute	Agreement for mentorship on product design	TOR	25.06.2021	Abhijith, Ajith, Dr. PV Unni, Shagna
38	Meeting with HODs, VCs	To portray a brief picture of YIP 2021; announcement of YIP 2021; discussions with ASAP authorities to integrate Hackathon winners to YIP 2021	Discussion with stakeholders and ASAP	01.07.2021	Anu Joseph, Rajasree MS, Abhijith, Ajith

39	Extension of agreements	Agreement with partnering academic institutions, Ecoloop360	Instutional plans built in	30.06.2021	Anu Joseph, Rajasree MS, Shaghna
40	Budgeting requirements	Budgeting requirements for YIP 2021	Sufficiency of resources	20.06.2021	Arunima
41	Roadshows	Virtual roadshow	Awareness about the program	15.08.2021	Anu Joseph, Rajasree MS, Abhijith, Ajith, BRB Puthran
42	Pre- registration of ideators	Ideator details captured in the portal	Details of ideators	01.08.2021	Anu Joseph, Rajasree MS, Abhijith
43	Registration - Validation	Final list of ideators	Ideator data finetuned	10.08.2021	Anu Joseph, Rajasree MS, Abhijith, Nipin, Bala, Ajith
44	VoC and Problem Definition Training	Ideators familiarised with the ideas in the selected themes	Ideators are able to pickup ideas from the shelf in case if they don't have their own ideas for innovation.	15.08.2021	Anu Joseph, Rajasree MS, Ajith
45	Idea registration	Opening of YIP 2021 registrations / validation of data to be ensured . Clarity and justification of timelines, costing and potential of the product	Target achievement - 30000 ideators	01.09.2021	Anu Joseph, Rajasree MS, Abhijith, Ajith
46	Categorisation of ideas	Thematic and microthematic category	Theme and microtheme distribution	25.09.2021	Bala, Abhijith, Ajith, Dr. PVU

47	Preliminary evaluation	Filtering quality ideas	List of eligible ideators for district level evaluation	15.10.2021	Nipin, Anu Joseph, Rajasree MS, Ajith
48	Training Material - Approval	Approved training materials	Quality	10.09.2021	Bala, Abhijith, Ajith, Dr. PVU
49	Boot camp 1	Design thinking and pitch deck preparation course conducted by ICT academy	Insights on design thinking	30.10.2021	Nipin, Lakshmi, Shaghna, Anu Joseph, Rajasree MS, Ajith
50	Completeness of mentor training and putting in place a mentoring strategy	Mentoring strategy formulated	Clarity on outputs	30.09.2021	Arunima
51	Benchmarking of ideas based on domain clarity, business plan clarity, IP Clarity and Outcome Clarity	Integration with the evaluation framework	Integration with ICT Framework	10.11.2021	Nipin, Abhijith, Anu Joseph, Rajasree MS
52	Student registration for evaluation	Evaluation slots for ideators	Readiness of evaluators; evaluation slots are ready so that ideator groups can be assigned to slots	30.10.2021	Anu Joseph, Rajasree MS, Bala
53	IT system for evaluation	Modifications of the existing system	Readiness of the IT system	05.11.2021	Anu Joseph, Rajasree MS, ICTK
54	Second stage evaluation framework is ready	Guidelines to evaluators ready	Criteria for evaluation, marks for each parameter being evaluated	01.11.2021	Abhijith, Dhanaj, Ajith, Dr. PV Unni

55	District level evaluation	Second stage evaluation	List of eligible ideators for state level evaluation	15.11.2021	Dhanaj, Anu Joseph, Rajasree MS, Abhijith, Bala, Ajith
56	Categorisation of ideas	Segregation of Tracks into Product Design + Marketing/ Experimental Design + Research/ Social Experiment + Pilot + Scaling	Ideas grouped into three categories	31.12.2021	Anu Joseph, Rajasree MS, Abhijith, Bala, Ajith
57	Boot camp 2	Advanced module on design thinking/rapid prototyping/ social enterprise innovation	More insights on innovation	30.11.2021 - 15.12.2021	Anu Joseph, Rajasree MS, Abhijith, Ajith
58	State level evaluation	Third stage evaluation	State level winners of of YIP 2021	10.12.2021- 20.12.2021	Nipin, Shaghna, Anu Joseph, Rajasree MS, Abhijith, Ajith
59	Mentor - mentee platform onboarding	Onboarding of menter and mentees of mentor mentee platform	Activation of Mentor mentee platfrom with the help of ICT	22.12.2021	Nipin, Anu Joseph, Rajasree MS
60	Integration of ASAP Hackathon track		ASAP Hackathon winners part of YIP 2020	21.11.2021	Nipin, Abhijith, Anu Joseph, Rajasree MS
61	Mentor meetup	Allocation of mentors based on idea/ onboarding mentor - mentee platform.	Institution connect and allocation of mentors	26.12.2021	Lakshmi, Anu Joseph, Rajasree MS, Bala, ICTK
62	Boot camp III (Maker Session)	Productionation strategy integrated	Clarity onproducts	27.12.2021 - 07.01.2022	Anu Joseph, Rajasree MS

63	Joint evaluation of AIT I and AIHT	Announcement and evaluation	List of AIT winners	15.01.2022 - 30.01.2022	Nipin, Abhijith, Anu Joseph, Rajasree MS
64	Fab Lab and Rapid Prototyping	Strategy of Rapid Prototyping	Completeness of action plan	July 2022	Anu Joseph, Rajasree MS, Dhanaj
65	AIHT and AIT closure	Provide support to acquire patent/ license	License/ Patent	July 2022	Nipin, Lakshmi, Shaghna, Anu Joseph, Rajasree MS, Abhijith
66	Joint evaluation of NIT I	Evaluation framework integrating with detailing of track identification and outcome prioritisation	List of NIT winners	1.05.2022	Nipin, Abhijith, Anu Joseph, Rajasree MS
67	NIT I - Periodic mentoring, hand holding and closure	Periodic mentoring and reviewing	Opening opportunities to participate in the forthcoming NIT's	30.04.2024	Nipin, Lakshmi, Shaghna, Anu Joseph, Rajasree MS
68	Review of mentees	IP aspects discussed	Uniqueness of the product; potentiality of the product; Scope for further expansion; Future research plans	25.07.2022	Shaghna, Anu Joseph, Rajasree MS
69	Review of mentees	Domain aspects - Gaps in domain knowledge ascertained; strategy to bridge the gaps, if any	Uniqueness of the product; entrepreneurial aspects	27.07.2022	Anu Joseph, Rajasree MS

70	Review of mentees	Aspects of Market connect	Entrepreneurial aspects of the product discussed - Uniqueness of the product; potential competitors; scaling up needed; entrepreneurial aspects	27.07.2022	Anu Joseph, Rajasree MS
71	Review of mentees	Business model aspects	Ascertaining whether the business model proposed by the ideator is viable; finding the gaps between the proposed/ desired aspects of the business model; remedial actions proposed after deliberations.	27.07.2022	Anu Joseph, Rajasree MS
72	Review of mentees	ABC analysis of mentees' achievements done	Their achievements appraised on accounts of novelty, appropriateness, market connect, IP aspects, scope for improvements (process/ product)	30.11.2022	Nipin Raj
73	Release of money - AIT I	Communication to Mentees	Timelines, Contents	21.07.2022	Shaghna
74	Release of money - AIT I	UTILISATION CERTIFICATE	Timelines; completeness	21.07.2022	Shaghna
75	Release of money - AIT I	Collect progress report	Current Status of the project	26.07.2022	Shaghna
76	Release of money - AIT I	Communication with KSUM	Timelines, Contents	30.07.2022	Shaghna

77	Release of money - AIT I	Mentor approval	Current Status of the project	30.07.2022	Mentees
78	Release of money - AIT I	Request for fund release	Timelines, budget	10.08.2022	Shaghna
79	Release of money - AIT I	Update Mentor-Mentee platform	Completeness	01.12.2022	Nipin Raj
80	Recognition of mentors - AIT I	Closure of YIP 2021 - AIT I - Rewarding the effort of mentors	Digital badges and certificates to the mentors	15.09.2022	Lakshmi
81	Recognition of mentors - AIT I	WhatsApp group of YIP 2021	WhatsApp Group of mentors, mentees and other stakeholders created	30.07.2022	Lakshmi
82	Mentoring of NIT I winners	Mentoring of NIT jointly with institutional mentors	Support; monitoring	February 2024	Anu Joseph, Rajasree MS
83	NIT I - Periodic mentoring, hand holding and closure	Periodic mentoring and reviewing	Opening opportunities to participate in the forthcoming NIT's	February 2024	Nipin, Lakshmi, Shaghna, Anu Joseph, Rajasree MS
84	Budgeting	Tabulation of expenses incurred/ to be incurred with various stakeholders	Expenditure statement for YIP 2021 - Details of complete expenditure for YIP 2021 including AITs and NITs	25.01.24	Arunima
85	Budgeting	Payments to be made, if any	Processing of payments - Payments to be made; to be decided from the expenditure statement referred above	31.01.24	Shaghna

86	Budgeting	Expenditure monitoring	Budget control with the purview of KPA-KRA - Control over payments	05.02.2024	Arunima
87	Budgeting	Progress report	Activity completion report with the purview of KPA-KRA - Control over completion of activities	31.05.2024	Arunima
88	Payments to institutional partners	Planning institutional setups		31.01.2022	Shaghna
89	Payments to institutional partners	Agreements		05.02.2022	Shaghna
90	Payments to institutional partners	Plan monitoring		31.01.2024	Shaghna
91	Payments to institutional partners	Fund releases		15.02.2024	Shaghna
92	Payments to institutional partners	Expenditure Monitoring		31.03.2024	Arunima
93	Activities - AIT II			01-03-2022 to 30-09-2022	Anu Joseph, Rajasree MS
94	Activities - NIT II			01-12-2022 to 31-03-2024	Anu Joseph, Rajasree MS
95	Activities - AIT III			01-06-2022 to 31-12-2023	Anu Joseph, Rajasree MS

96	Roadshow for successful prototypes			01.07.2024	Anu Joseph, Rajasree MS, Dhanaj, BRB Puthran
97	System for profile updation of mentees, mentors, facilitators, institutional contacts, heads of institutions and institutions	Put in place of system		30.06.2021	Sreekanth, Nipin, Anu Joseph, Rajasree MS
98	System for mandatory provision of code of conduct of mentees, mentors, facilitators, evaluators, institutional partners	Put in place of system		30.06.2021	Bala, Anu Joseph, Rajasree MS
99	Second state level evaluation window	Evaluation outcomes for runner up		01.01.2022	Anu Joseph, Rajasree MS, Dhanaj, Bala
100	Improving Evaluation Framework	Refinement of framework based on review inputs		01.01.2022	Anu Joseph, Rajasree MS, Dhanaj, Bala
101	ABC Analysis of NIT and AIT Selected	Their achievements appraised on accounts of novelty, appropriateness, market connect, IP aspects, scope for improvements (process/ product)		25.04.2024	Anu Joseph, Rajasree MS, Dhanaj, Bala
102	RBM Framework for monitoring Mentors	Developing institutional plans; integration of activities - Integration of all the plans related to KRA - KPA		25.04.2024	Anu Joseph, Rajasree MS, Dhanaj, Bala

ANNEXURE-WORKING GROUP PROPOSAL 2021-22