

TAMIL NADU ILAM INNOVATORS CHALLENGE - 2019

CONCEPT NOTE

Introduction:

Tamil Nadu Ilam Innovators Challenge – 2019, is an initiative taken by Tamil Nadu StartUp and Innovation Mission (TANSIM), Entrepreneurship Development and Innovation Institute (EDII-TN), School Education Department, Government of Tamil Nadu, partnering with active start-ups in the field of education and Ed-Tech such as Infinite Engineers, M.A.D.I.E.E, Warhorse, PiJam Foundation, SP Robotic Works, GetSet Ventures and E21- IIT-M.

Objective:

Nurture Innovation at grass root levels; to foster curiosity, creativity and imagination in young minds and inculcate skills such as growth mind-set, empathy, communication, computational Thinking, adaptive learning, physical computing and real world application of STEM-Science, Technology, Engineering and Mathematics.



Purpose:

There is a growing need to inculcate and develop Innovation and Entrepreneurial skill-sets right from a young age, in order to close the skill gap that exists in education today. These skill-sets will help them prepare for what is expected of them in the future.

Innovation in Education is to get students to think and ask questions; the need to pique curiosity and find ways to empathize, identify problems and seek knowledge that will support new and unique ideas. This will change educators to be innovative as well and to make learning environments more exciting, challenging and rewarding for them.

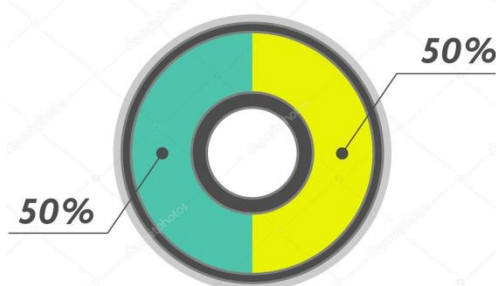


There are **52 Educational Districts**
in Tamil Nadu.

**Goal: Reach 1500 Students (min.)
from 500+ Schools.**

Selection/Nomination of Schools

**Government
Schools**



**Private
Schools**

May- July, 2019

Step 1 – Train the Trainers Programme – May-July, 2019

- TTT Programme will be held in 5 Regions – Chennai, Madurai, Trichy, Tirunelveli and Coimbatore (50 Participants/Batch)
- E-Cell Members of Engineering, Arts & Science background, will register as participants of the programme.
- They will be assigned the role of District Captain for each Educational District.
- The District Captains will be trained on how to motivate, inspire innovation and mentor school students during the course of the Programme.
- The District Captains will facilitate the Gamified Selection Process i.e. Stage 1 of Tamil Nadu Ilam Innovators Challenge in their own educational district and select the best 3 out of 10 teams for Stage 2.

Stage I – July- August - September, 2019

Selection of 154 School Teams (3 Nos. each Team) from 520 Teams (10 Teams/ Educational District)

Gamified Selection Process



The District Captains (preferably 2) will facilitate the Gamified selection process in Each Educational District.



The Selection Process including the Debriefing Session is **Max. 4.5 Hours**.

In each Educational District, 10 Teams from 10 Schools (Government and Private Schools) will participate in Stage 1.



Throughout the process, the teams will be evaluated and given Points for **4Cs'**

- **Communication**
- **Collaboration**
- **Creativity**
- **Critical Thinking**

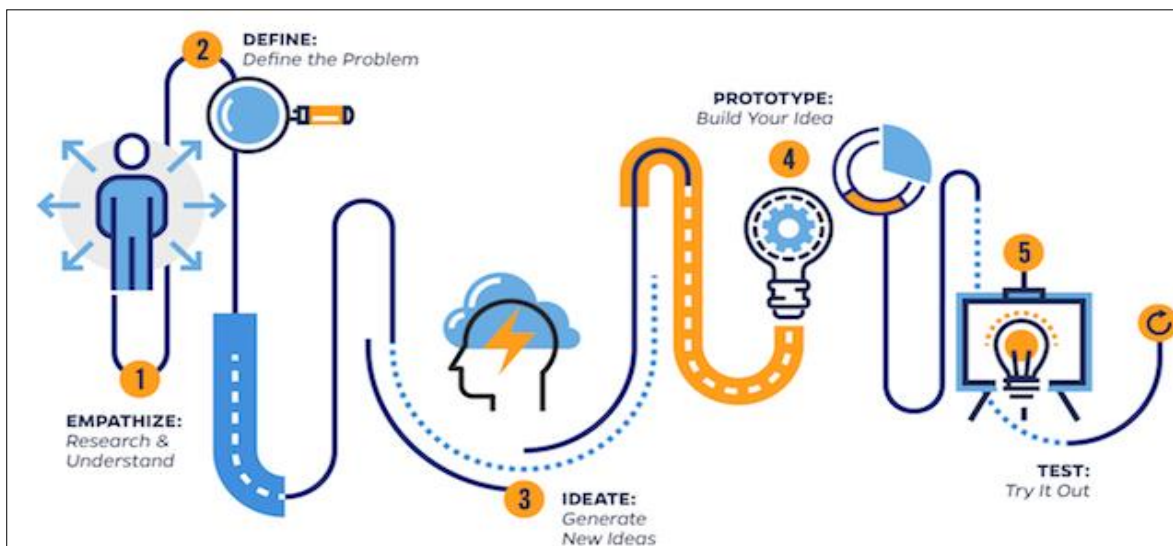


The best 3 teams from each Educational District will be selected for Stage II. Therefore a Total of 156 Teams will be selected for Stage II, which will be a 4 – Day Residential Workshop in 5 Major Regions/Hubs.

Stage II – September – October , 2019

4-Day Residential Workshops at 5 Major Zones/Hubs

Chennai, Madurai, Coimbatore, Trichy and Tirunelveli



Day	Startup	Skills Focussed
1	Warhorse	Creating a Change in Mindset & Learning Process, Confidence building, Communication and Presentation Skills, Empathy.
	M.A.D.I.E.E	
2	Infinite Engineers	Empathy, Problem Identification and Definition Ideation, Life Skills
	PiJam Foundation	
3	SP Robotic Works	Design Thinking – Logical & Critical Problem Solving (Tech and Non- Tech) , Prototyping & Pitching <ul style="list-style-type: none"> - E21 will be co-ordinating and mentoring the School teams throughout Stage II along with the district captains/leaders. - GetSet Ventures will be collecting the data and handle pre and post event analytics and report generation.
	E21 and GetSet Ventures	
4	TANSIM, EDII-TN & All Start-ups	Pitch – Presentation of Ideas & Problem Solutions.
		Selection of Teams for Finals- 3 Teams from each zone/region will be selected for Finals - Stage III.

STAGE III – November/December, 2019

Tamil Nadu Ilam Innovators Challenge – Finals

STATE LEVEL PITCH



The 15 Teams selected for the Finals will be given a period of 30-45 days to work on their prototype or solution. These 15 teams will be awarded Innovation Kits worth Rs 10,000/- as District Level Awards each at the end of Stage II.

The District Captains and the Start-ups will mentor the selected teams with weekly reviews and make sure that they are on the right track. The School teams may use the facilities of ATAL Tinkering Labs / SP Robotic Works Makerspaces to develop their prototypes.

- The Finals will be held in Chennai during November, 2019, where the school teams will showcase and pitch their solutions in front of the Jury.
- The Best 5 Teams will be selected as the Tamil Nadu Junior Innovators Challenge Winners.
- They will be awarded a State Level Fellowship of Rs 1,00,000/- each. The Best 5 District Captains will be offered credit vouchers of Rs 10,000/-.

Outcomes

More than 156 teams i.e 468 School Students from all the Educational Districts will have been introduced to Innovation and Entrepreneurial Skill-Sets during Stage II. **It will trigger the spark required to inspire other school students in future.**

Atleast 20% ATAL Labs will be made active with students and teachers getting involved.

Atleast 10% of Students involved in the Stage II may pursue innovation & technology oriented start-up as a career choice.

Conclusion:

Throughout the entire process, College Students as District Captains would have established a healthy, cooperative relationship as mentors to school students, thus help in creating **Junior E-Cells**.

The Programme can be scaled up to reach maximum number of students and schools in the coming year 2020 i.e the Next Edition of Tamil Nadu Ilam Innovators Challenge, with the support of Tamil Nadu School Education Department.

For More Details & Information:



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