

Cisco thing**Q**bator

The Cisco thingQbator program is part of Cisco's CSR commitments in 2018

March 2019 Report

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CISCO CSR IMPLEMENTATION PARTNER



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Li2-Technologies
Lead · Innovate · Implement

KNOWLEDGE, CONTENT AND WORKSHOP PARTNER



Operations

Plan for March 2019: A fixed set of deliverables planned earlier were maintained in this month by the team -

1. First Li2 Workshops were carried out and completed successfully at all the Universities.
2. Cohort - 2 Hackday has been successfully executed at IGDTUW.
3. Second Li2 Workshop were successfully conducted at three thingQbator makerspaces.
4. A social audit of all the thingQbator makerspaces was conducted by Goodera.

Challenges faced in March 2019:

- Appointment of the Lab Administrator at all the thingQbator makerspaces.
- Finalizing Hackathon and Demo Day dates due to upcoming exams followed by summer vacations at the Universities.

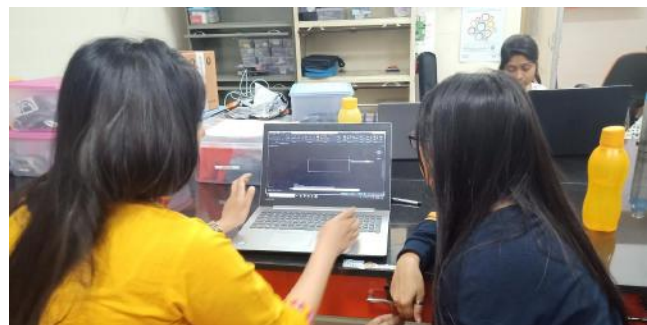
March 2019 - Highlights

Best Practices from all thingQbator Makerspaces

- **DOCTOR AROUND YOU**, a Cohort-1 team from thingQbator IIT(BHU), has been inducted in the **NASSCOM 10K Startup** program and has been given space at their Pune warehouse. Doctors Around You, is platform to connect doctors to the patient. It works like a Uber for doctors.
- A 10 day internship program has been planned at thingQbator AVV and has been confirmed for dates- 27th April to 6th May. The idea is to utilize the summer vacations to give the Cohort teams the dedicated time & resources with necessary mentor support to catapult the prototype to next level.
- thingQbator IGDTUW hosted the first Hackday, which proved to be a good catalyst for accelerating the prototyping progress, apart from 24 hr mid-cohort Hackathons. Hackdays for rest of four thingQbators are also slated for the month of March.

IGDTUW - Delhi

A 9hr Hackday was conducted at the thingQbator on 25th March 2019. The event saw participation from 17 Cohort teams, with 59 students members overall.



A 3hr session on 'Basics of Drones' by Jivitesh, hosted at thingQbator TAT was attended virtually by IGDTUW teams using CISCO Sparkboard.



Parking Hero has been selected as a finalist for the Gandhian Young Technological Innovation Award - 2019. This prototype automates the parking in parking lots as well as the streets. It takes care of the billing too in a paperless method.

Doordarshan TV channel covered thingQbator IGDTUW journey, highlighting the contribution of the makerspace in women empowerment and entrepreneurship.



IIT(BHU) - Varanasi

thingQbator teams participated in Technex' 19, The Annual Techno-Management Fest IIT(BHU) Varanasi, on 8th to 10th March. The teams showcased their prototypes.



80 students from Abhinav Vidyalaya, Arazi lines, Varanasi, visited MCIIE, IIT (BHU) on 23-Feb-2019. The students have also got the opportunity to explore various innovative prototypes made by IIT (BHU) students at thingQbator, MCIIE



TAT - Bhubaneswar

DRONE WORKSHOP: This 2hr workshop on 14TH MARCH saw footfall of 85 students.
Topics Covered: Flight styles, Different kinds of frames and props used, Telemetry, Flight attitude control, RC, Role of ESC.



IOT WORKSHOP: 23 students participated in this 3 hrs Foundational IoT Workshop, conducted by Cohort-1 members.
Topics Covered: Basics of Embedded System, How to get started with various development boards (Arduino Uno, Nano, Rpi), Tinkering with the basic sensors and actuators.



AVV - Coimbatore

Orientation session for Cohort-2 students was conducted by SPOC Wg. Cdr (Dr) A. Balachandran and Makerspace Manager Sharon Sebastian. 22 teams and 65 members overall attended the session.



Ideation and business modelling workshop was conducted on 15th March by Nidhin V. The session was attended by 47 students, which comprised of Cohort-1 and COhort-2 members.



Hybrid drone is VTOL (vertical take off & landing) aircraft which can be used for delivery, having extended range of flight compared to drone and can land in small places where airstrip facility is not available.



Li2 Workshop

The workshop 'Building connected devices' was conducted by Li2 Technologies at Cisco thingQbator makerspaces in 5 universities as part of Cisco thingQbator program. The workshops were attended by cohort-1 and cohort-2 members. This 2-day hands-on workshop was themed around connected device, sensors and network protocols.






The workshop dates for each University are below:

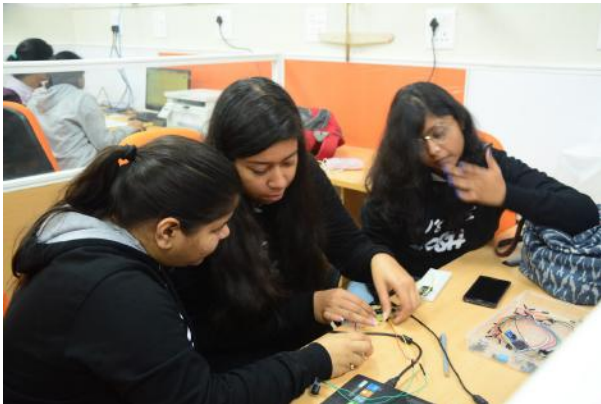
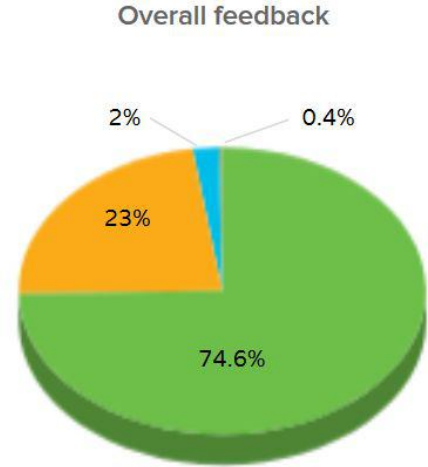
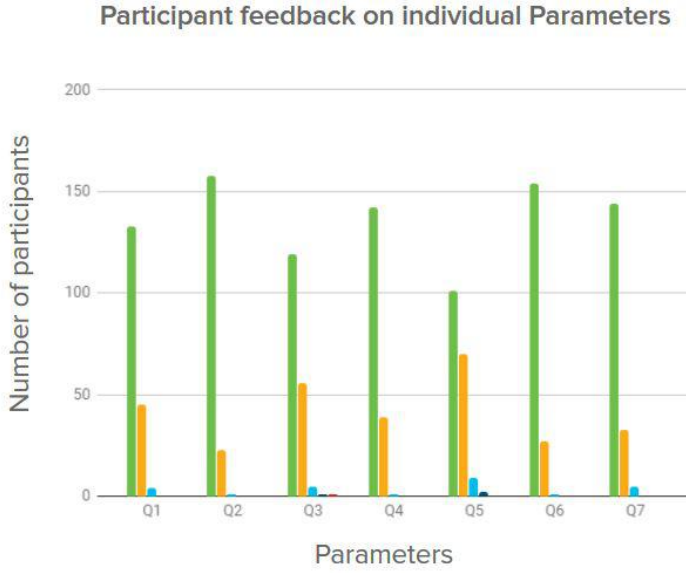
IGDTUW	IIT(BHU)	TAT	AVV	IIITM-K
13, 14 Feb-19	1,2 March-19	26,27 Feb-19	16,17 March-19	8,9 March-19

Number of participants (overall) - 182

Participant feedback summary

The workshop participants were asked to rate the workshop on various parameters on a scale of 1 to 5

Q1	The workshop material was presented in a clear and organized manner	5 - Strongly Agree	
Q2	The presenter responded to questions in an informative, appropriate and satisfactory manner	4 - Agree	
Q3	The workshop content was relevant and it met my expectations	3 - Neutral	
Q4	The portal www.tqb.li2.in was very helpful in understanding the concepts and experiments	2 - Disagree	
Q5	The session was conducted in a fun filled learning environment	1 - Strongly Disagree	
Q6	I would like to attend more workshops of Cisco thingQbator		
Q7	Overall, I had a wonderful learning experience in the workshop and I enjoyed it		



Inventory Updates

The entire Inventory has been maintained at the common Project Folder [here](#).

Tech Mentorship at all thingQbator [March 2019]



Name of thingQbator	Number of Sessions	Number of Teams Mentored
IGDTUW - Delhi	6	10
IIT(BHU) - Varanasi	1	3
TAT - Bhubaneswar	5	9
AVV - Coimbatore	3	15
IIITM-K - Trivandrum	7	5

thingQbator footfall [March 2019]

Name of thingQbator	Unique/Individual Footfall	Total Footfall
IGDTUW - Delhi	85	258
IIT(BHU) - Varanasi	80	200
TAT - Bhubaneswar	64	294
AVV - Coimbatore	57	300
IIITM-K - Trivandrum	32	109

Calendar Snapshot

Date	IIITM-K	Amrita	TAT	BHU	IGDTUW
Fri, Mar 1, 2019			Demo Day	Li2 Workshop-1	Exam
Sat, Mar 2, 2019				Li2 Workshop-1	
Sun, Mar 3, 2019					
Mon, Mar 4, 2019		Internal	Vacation	Vacation	Exam
Tue, Mar 5, 2019		Internal	Vacation		Exam
Wed, Mar 6, 2019		Internal			Exam
Thu, Mar 7, 2019		Internal			Exam
Fri, Mar 8, 2019	Li2 Workshop-1	Internal			Exam
Sat, Mar 9, 2019	Li2 Workshop-1	Internal			Exam
Sun, Mar 10, 2019					
Mon, Mar 11, 2019	Internal				
Tue, Mar 12, 2019					
Wed, Mar 13, 2019			Internal		
Thu, Mar 14, 2019			Internal		Li2 Workshop-3
Fri, Mar 15, 2019			Internal		Li2 Workshop-3
Sat, Mar 16, 2019		Li2 Workshop-1	Internal		Li2 Workshop-2
Sun, Mar 17, 2019		Li2 Workshop-1	Internal		Li2 Workshop-2
Mon, Mar 18, 2019			Internal	Vacation	
Tue, Mar 19, 2019	Internal		Internal	Vacation	
Wed, Mar 20, 2019				Vacation	
Thu, Mar 21, 2019			Vacation	Vacation	
Fri, Mar 22, 2019	Li2 Workshop-2		Vacation	Vacation	
Sat, Mar 23, 2019	Li2 Workshop-2			Vacation	
Sun, Mar 24, 2019					
Mon, Mar 25, 2019		Internal	Internal		HACKDAY
Tue, Mar 26, 2019	Internal	Internal	Internal		
Wed, Mar 27, 2019	Internal	Internal	Internal	Li2 Workshop-2	
Thu, Mar 28, 2019	Internal	Internal	Internal	Li2 Workshop-2	
Fri, Mar 29, 2019		Internal	Internal		
Sat, Mar 30, 2019					
Sun, Mar 31, 2019					

[[Calendar Snapshot Link](#)]



Conclusion

Plan for April 2019: All the thingQbator will gear up for the Second and third Li2 workshops. Additionally mid Cohort Hackathon, Hackdays are also slated in March for all Universities.

All the thingQbator are working in a growing and evolutionary manner. All of the Cohort-2 as well as Cohort-1 rollover students are working actively and there is significant growth .

