

## **PRODUCT DEVELOPMENT CENTER - KGCAS**

The Product Development Center as an initiative of "Make in India" was inaugurated by our honorable chief guest Shri Pon Radhakrishnan, Minister of State in the Ministry of Finance and Ministry of Shipping on 8/12/2018.

Product Development is a series of steps that includes the conceptualization, design, development and marketing of newly created goods or services. This might be software or hardware. The objective of product development is to cultivate innovative ideas among students, enable critical thinking, learning of technology related to their product and development of prototype. The development product will get fund from funding agencies and angel investors.

### **Mission:**

- Industry Collaboration through signing MoU to analyse real world problems.
- Minimum 5 Products per Year based on the industry demand
- Minimum 5 ideas of our students should be converted into Business Model
- Win Hackathons
- Create a forum to learn technology and tools to ideate and innovate
- More copyrights for books
- At least two patent applications per year.
- Conduct Hackathon to get ideas and prototype of our students as well as the students from institutions.

### **Activities of PDC - 2018 - 2019**

#### **MoU Signed**

1. MoU signed with Coimbatore Innovation and Incubation center - FORGE Accelerator, KCT Tech park on 06.07.2018
2. Signed MoU with Golden Jubilee Bio Tech park for Women, Chennai.

#### **Hackathon Participation**

1. 56- hours hackathon conducted by Coimbatore Innovation and Incubation center - FORGE Accelerator - 1 team got scholarship to pursue PROTOSEM Diploma course at FORGE
2. Tata Crucible Hackathon at Christ University, Bengaluru - 3 teams participated
3. TiE Coimbatore - funding Carnival - 1 team got fund (Rs.30000/- per month for 1 year ) to proceed with their startup.
4. iMentor, iStart, iCamp and Protosem of Coimbatore Innovation and Incubation center - FORGE Accelerator

5. Youth Talk and Innovator Award of ICTACT
6. Facebook Developer Hackathon
7. DIGI hackathon - Hackathon for Web development
8. TiE Coimbatore - Software and Hardware Hackathon
9. DORA Hackathon for BlockChain
10. DEVMERGE - Blockchain at IIT Madras
11. GitHub Hackathon by Free ccodecamp - online hackathon
12. Elpis Hackathon - Software and Hardware Hackathon
13. RPA Hackathon - Unipath and KGiSL
14. Smart India Hackathon

Participation at Product Exhibition

1. Coimbatore Science and Technology Festival organized by CII and TiE Coimbatore
2. Erode Vizha at JKK nataraja Educational Institutions

### Product Development Centre (PDC) - 2019- 2020

S. No.	Date	Event	Conducted by	No. of students participated	Remarks
1.	15/08/2019	Research Grant for Students Projects	TNSCST	2 Teams	Farm friend : A Smart Farm system to enhance the farmers wealth is selected for funding Rs.7500
2.	29/08/2019 – 31/08/2019	National Science and Technology Fail	Codissia	3 Teams	Three projects were selected 1. Bio Plastic Preparation for Sophisticated Packaging 2. Water Conservation-using Grey Water for Toilet Flushing 3. Breath Monitor
3.	30/09/2019	AWS – National level women Hackathon	Amazon Web Services	9 Teams	IoT based coal mine safety alerting and monitoring system project was selected for finals
4.	31/01/2020	Smart Indian Hackathon	Ministry of Human Resource Development	14 teams. 5 teams for Hardware, 9 teams for software	1 team is selected for final round in H/W category  Pro Electro2k

5.	May 2020	IIC National Innovation Contest	Ministry of Human Resource Development	53 ideas were submitted	30 ideas were converted into products 5 teams got the virtual mentorship.
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## Product Development Centre (PDC) - 2020- 2021

### Students Participation :

TNSI Challenge 2020 - Participants Details					
S.No.	Name	Roll Number		Title	Remarks
1	Jasmine R	1826JB19	III BSc (IT) B	RoomBot2020	ShortListed for Finals
2	Sabareswar.R Muthu Vignesh Vibin Charles	1926JB52 1926JB34 1926JB58	II BSc (IT) B	Farmers Friend	
3	Mukesh J	1922KB31	II BSc (CS)	Pre earthquake detector	
4	Hemanathan P	1826B08	III BES	Movie Privacy protection Screen	
5	Karthikeyan B	1826B12	III BES	Smart Lung Device	
6	MUKESH KUMAR K	192AAA29	II B.Com	Girls Ply Safe(GPS)	ShortListed for Finals

INNOVATOR 1.0 - Periyar University				
S.No.	Name	Dept.	Title of the Idea	Status
1	Nikhil Kumar. J	Computer science	DiVote	Selected for boot camp and direct finals
2	Syed Kasina P	Computer science	Water tank Alarm	Selected for boot camp and direct finals
3	Jasmine.R	Information Technology	RoomBot2020	Waiting list , will be considered for Virtual Boot Camp
4	Dilipkumar	Computer science	God Eye	Waiting list , will be considered for Virtual Boot Camp
5	SaiEaswar.P	Computer science	MUG COASTER	Waiting list , will be considered for Virtual Boot Camp

Toycathon

### Events Conducted at KGCAS

<b>CyberGeek – Hackathon in Association with VegRoute Pvt. Ltd.,</b>		
<b>Winners Team (Received Cash prize and 3 months Internship in VegRoute Pvt.Ltd)</b>		
<b>Prize</b>	<b>Team Name</b>	<b>Team Members</b>
I Prize	Unique Warriors	1.Srimathi Jagadeesan 2. Godwin Daniel V
II Prize	Team Zara	1.Narasimma Raj 2.Suvendhran 3. Selvakuma 4. Swarna Durga.
III Prize	Rule Breaker	1.Sharin Sweety.C 2.Aishwarya .B 3.Lingeshwaran 4.Arulprakash.R 5..Gokulprasath.A.P.
<b>Team members those who have selected and to get guidance and mentoring support from VegRoute Pvt Ltd</b>		
<b>S.No.</b>	<b>Team Name</b>	<b>Team Members</b>
1	Virtual Schematics	1.Jayashree C 2.Sarath Bharathi. B 3. Ashiq Khan. J
2	Reboot Rebels	1.Prathis.M.J 2.Yashmitha. S 3. Manjula. R 4. Nishanthkumar. M 5. Nirmal Vincent. J

Incubatee :

1. VegRouth Pvt Ltd joined with KGCAS as a Incubatee and Inaugurated their start-up on

<https://vegroute.com/>