



MINISTRY OF
ELECTRONICS &
INFORMATION TECHNOLOGY
GOVERNMENT OF INDIA



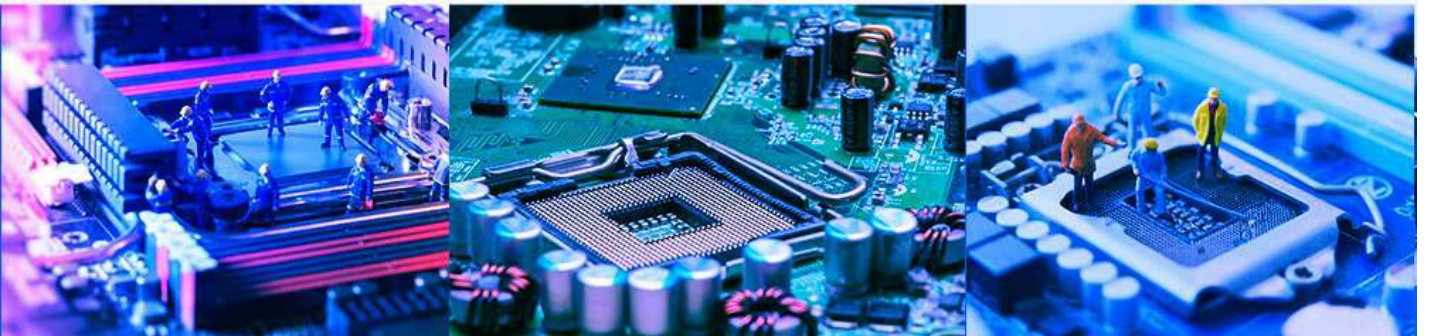
my
GOV
मेरी सरकार

स्वदेशी

MICROPROCESSOR CHALLENGE

*INNOVATE SOLUTIONS
FOR #आत्मनिर्भर भारत*

VISIT INNOVATE.MYGOV.IN



स्वदेशी Microprocessor Challenge

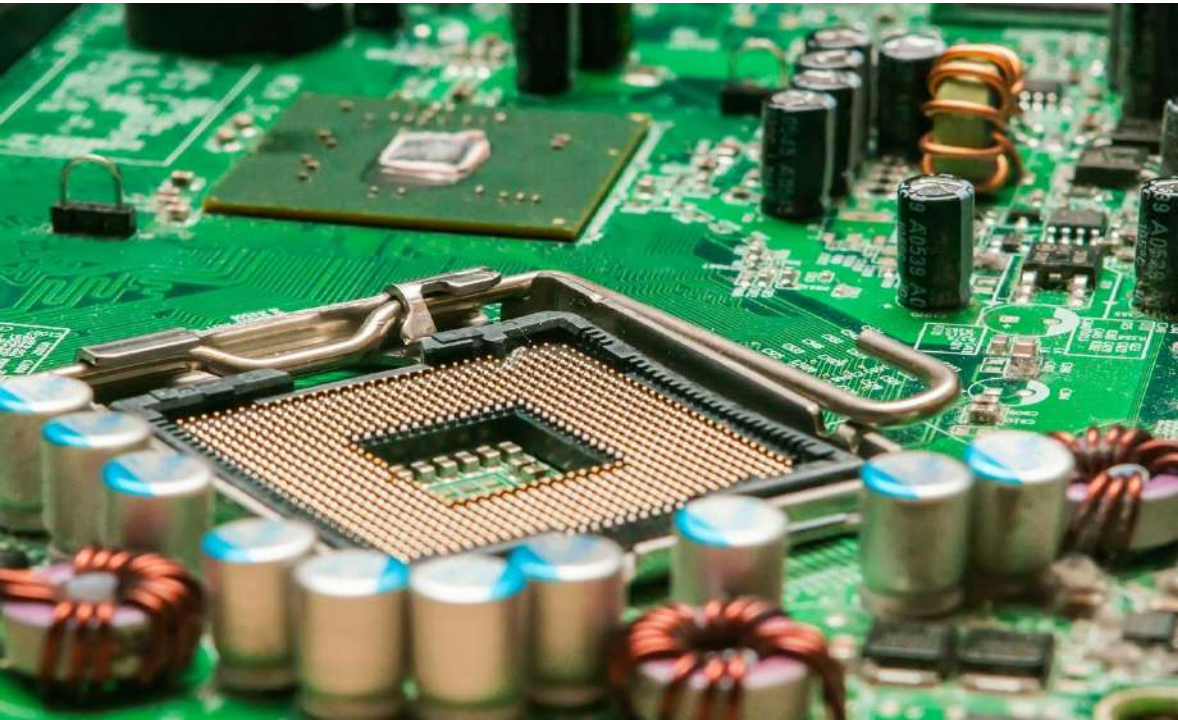
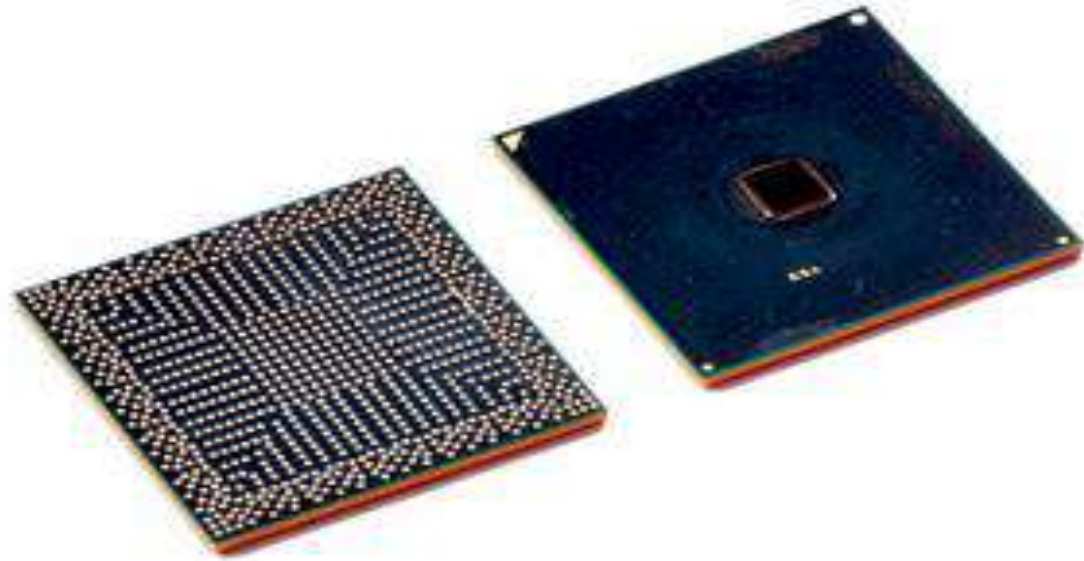
Innovate Solutions for #आत्मनिर्भर भारत

शक्ति

वेगा



SHAKTI Processor Chips



Scope of the स्वदेशी Microprocessor Challenge

- Start-ups, Students, innovators to use स्वदेशी processors for development of frugal solutions in the area of **Healthcare, Agriculture, Environment, Office Automation, Sensors, AI/ML, Navigation, etc.**

स्वदेशी Microprocessors ecosystem available for participants at MyGov portal-

1. शक्ति Processor by IIT Madras
2. वेगा Processor by C-DAC

Peripheral IPs, Software
Development Kit/ OS/ Tool-chain/
Tutorials/ Labs

Indicative solutions

(not limited to the following)

IoT Based Weather Reporting System

IoT Based Air Pollution Monitoring System

IoT Based Traffic Management System

IoT Based Garbage Monitoring System

IoT Based Street Light Monitoring System

IoT Based Early Flood Detection and Avoidance

IoT Smart Anti-theft System

IoT Based Health Monitoring System

Other edge computing applications

.....

..... etc

Drones/ Robotic applications

Smart city applications

Smart Water Irrigation System

Smart Garage Door/ Parking System

Touch-Based Home Automation System

Facial Recognition Door

Liquid Level Monitoring

Gas Pipe Leakage Detector

Smart Garage Door

Smart Anti-theft System

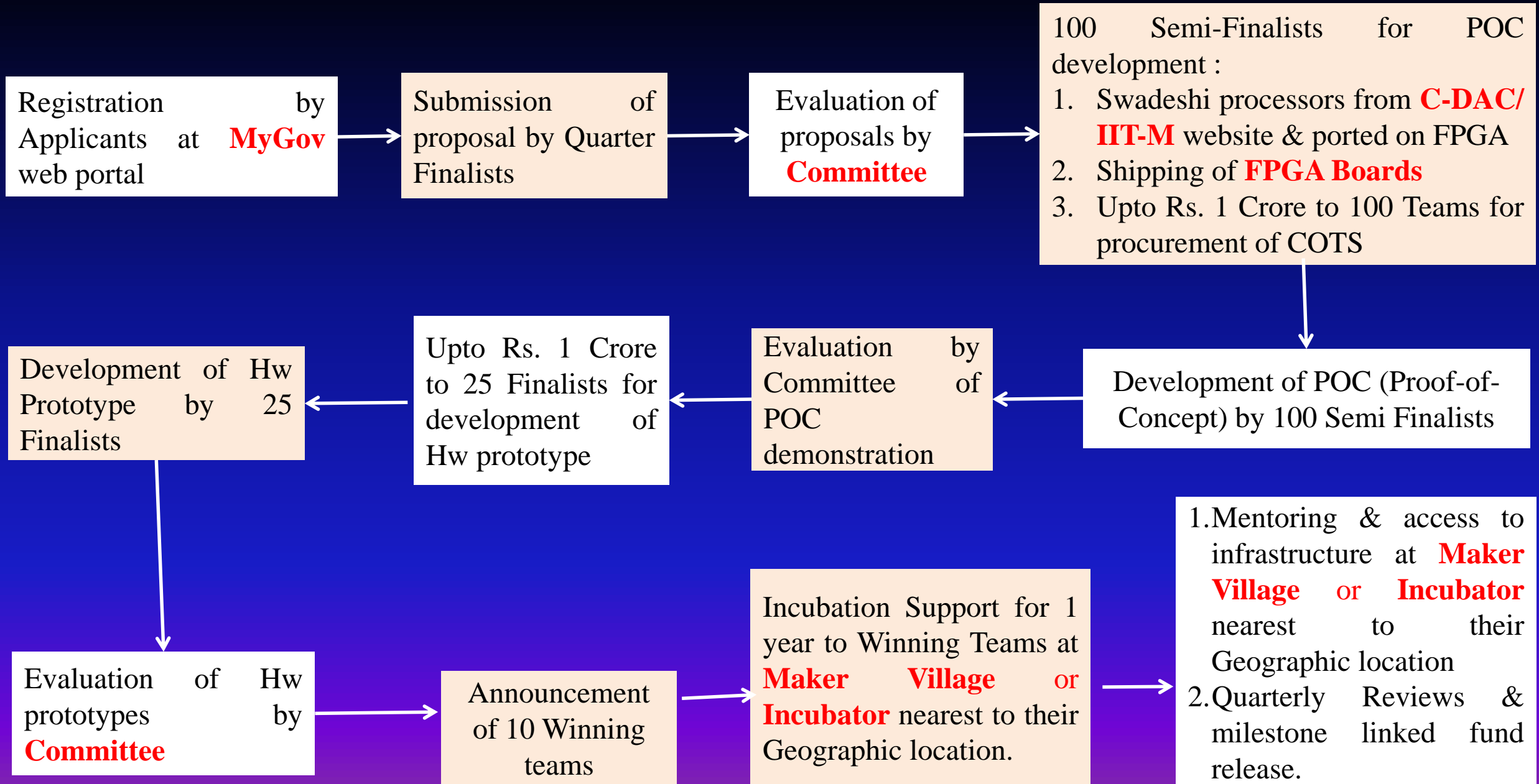
Other embedded applications

.....

.....

.....etc

स्वदेशी Microprocessor Challenge- process flow for the applicants



Timelines of स्वदेशी Microprocessor Challenge

Registration Closed/ 8-Week Quarter-Final Starts

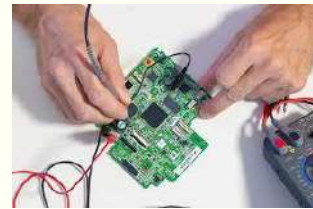


18'Aug'20

15'Sep 20

15 Nov' 20

12-Week Semi-Final Starts



Final Begins

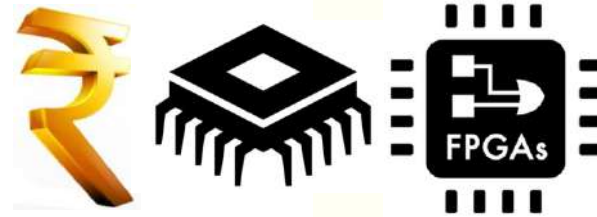


01'Apr 20

01'May20

01'June 20

01 Jan'20



Challenge Launch/
4-Week
Registration Starts

Quarter-Final End/ 6-Week Preparation Starts

Semi-Final End/ 4-Week Preparation Starts

Results Announced

AWARDS

Stages	# of Participants	Award to each Participant	Total Award
Quarter Final	100	Rs. 1.00 Lakh	Rs. 1.00 Crore
Semi Final	25	Rs. 4 Lakh	Rs. 1.0 Crore
Final	10	<p>Cash Prize to top 10 Teams including the funding for next 12 months to launch their Startup/ Incubation -</p> <ol style="list-style-type: none">Up to Rs. 35.00 Lakh, Rs. 30.00 Lakh and Rs. 25.00 Lakh to the Winning Team, 1st Runner-up Team and 2nd Runner-up Team respectively.Up to Rs. 20.00 Lakh to other 7 Teams	Rs. 2.30 Crore
		Award Total	Rs. 4.30 Crore



WINNERS
Gold Certificate

Total Rs. 2.30 Crore of Seed
Fund for incubating start-up to
10 Teams.

FINALISTS

Silver Certificate

Total Rs. 1.0 Crore of Prototype
Development Fund to 25
Teams.

SEMI FINALISTS

Bronze Certificate

Total Rs. 1.0 Crore of
MVP/POC Development Fund
and Free Access to Swadeshi
Processors &
FPGA Board to 100 Teams.

Thank You