



The 32nd International Conference on VLSI Design & The 18th International Conference on Embedded Systems January 5-9, 2019, (New Delhi, National Capital Region, India)

The Go Green Conference



Design Contest

Design Contest
Sponsored by **NXP**

Welcome to Embedded and VLSI Design Conference 2019 – Design Contest!

The NXP Design Contest based on NXP Semiconductors Modular IoT Gateway Reference Design Kit featuring NXP's leading i.MX6 processor is a key highlight of the 32nd International Conference on VLSI Design and the 18th International Conference on Embedded Systems to be held in Delhi from 5th – 9th January, 2019.



Following the first round of screening of proposals, 17 teams comprising of engineers from Industry and students from University have been shortlisted to go ahead in converting their ideas into application solutions using the NXP Gateway kits.

NXP Semiconductors Modular IoT Gateway

Based on the final round of screening to be held in December, the top teams will get an opportunity to showcase their solutions in the prestigious VLSID 2019 conference. Best wishes to all the shortlisted teams for coming up with innovative solutions using the popular NXP Kits.

Embedded Solutions Design Contest Event....

Submission of Ideas	: October 29, 2018
Acceptance notification	: October 31, 2018
Kit Distribution	: October 31, 2018
Idea Presentation at Conference	: January 6, 2019

Schedule of January 6, 2019

All Idea owners will present their Ideas	: 10:00AM - 01:00PM
Demo Presentation	: 02:00PM - 04:00PM
Announcement of Top 3 Winners	: 05:00PM
Prize Distribution	: 8 th Jan 2019

Venue

Manekshaw Auditorium, New Delhi, India
Khyber Lines, Delhi Cantonment,
New Delhi, India

Winners will get exciting cash prizes:

1st place team cash prize of **INR 50,000**
2nd place team cash prize of **INR 30,000**
3rd place team cash prize of **INR 20,000**

Top 3 teams will get 6 weeks internship at VLSI Research group at IIT Guwahati in May June 2019. (Sponsored by IIT-G)

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Important Dates Embedded Solution Design Contest

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Call for Ideas: EMBEDDED SOLUTION DESIGN CONTEST

This joint conference is a forum for researchers and designers to present and discuss exciting new developments in VLSI design and embedded systems. Selected Design Contest applicants will get an opportunity to participate in the conference and/or present your innovative design ideas. The program will also include workshops/tutorials (January 5-6, 2019) on emerging trends in embedded systems design.

Theme of the Contest

Innovative design contest ideas are invited in all areas of Gateway and IOT embedded systems. For information of the kit. Pl go through the below link www.nxp.com/modulargateway

Objective: The Embedded Solution Design Contest solicits innovative ideas on Gateway and IoT Embedded solutions.

Who: Engineers from Industry and University students can submit their proposal in the suggested template. If accepted, contestants must use the provided kit to convert their ideas into a real application, limited only by their imagination.

Design Kit: A Modular IoT Gateway Solution, this design is based on popular NXP SoC family i.MX. Gateway development platform design, based on ARM processor based i.MX6. This MPU provides optimal application performance, low power, low cost, and robust secure large network connectivity with Thread, Zigbee, and BLE Mesh. The ability to connect to the cloud with connectivity options as Ethernet and WiFi make this design very suitable for Gateway and related applications.

Contact for support : designcontest.2019@gmail.com



Suggested Target Applications:

We suggest a few applications below but are open to other innovative ideas related to Gateway & IoT applications.

1. Portable health care devices, Wearable Sports/Fitness devices
2. Gaming controllers, Access control, and Security systems
3. Smart energy and Automated meter reading
4. Home area networks
5. Medical Network
6. HVAC Control, Lighting control, Asset tracking
7. Environment monitoring and control
8. Automotive IoT and Gateway

SPECIAL RECOGNITION

Top 5 ranked designs ideas will get a chance to present their designs in the workshop during the conference.

BEST Design Award

Top 3 innovative Embedded System Designs will be considered for the award.

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Submissions

All submissions should be made electronically via the conference website <http://embeddedandvlsidesignconference.org/> by October 29, 2018.

Your design proposal should clearly state the Innovative Project Proposal name, block diagram, brief description, tentative Plan, and any special need during design presentation at the conference.

For any query please do write to us at designcontest.2019@gmail.com