

Centre of Excellence for Internet of Things

A proposal to set up a Centre of Excellence(CoE) for Internet of Things(IoT) at Bengaluru with an outlay of Rs 2195.22 Lac, to be executed jointly by ERNET India and NASSCOM in PPP mode was approved in June 2015. The vision of the CoE is to enable India as the innovation hub in the emerging technology of Internet of Things through democratization of Innovation, Standardization, Realization of prototype, products before deployment of the IoT devices in the public domain/ infrastructure and support Govt. initiatives on IoT solutions for specific India needs in areas like water, energy, agriculture, health, security and privacy of data.

This centre was launched by Hon'ble Prime Minister of India on 1st July 2015 while inaugurating Digital India Week.

Objectives:

- To create innovative applications and domain capability across verticals for country's needs such as Smart City, Smart Health, Smart Manufacturing, Smart Agriculture, etc.
- To build industry capable talent, start-up community and entrepreneurial ecosystem for IoT.
- To provide an ecosystem for innovation to thrive and embrace entrepreneurship.
- To energise research mind-set and reduce costs in research and development by providing neutral and interoperable, multi-technology stack laboratory facilities.
- To reduce import dependency on IoT components and promote indigenization.
- To position India as a provider of end-to-end solution in engineering space.
- To provide environment for product creation, testing and also for validation & incubation.

Capacity Creation:

- Democratization of IoT Innovations through incubation on multi-platform Technology Labs for - Concept validation to product/solution realization.
- Standardization and qualification support for in-country and global needs.

- Enable complete solutions stack with maximum components from India.
- Development IoT eco system with collective capacity of stake holders.
- Public Private Partnership model with seed fund from Government with industry and academia as key stake holders & Program Management by NASSCOM.

Benefits of Center of Excellence on IoT

Stakeholder	Benefits
Start-up/Small Medium Enterprises	<ul style="list-style-type: none"> • Use of Open Technology Stack; Access to Industry experts / Consultants Showcasing the prototype/project to companies • Access to students to work on projects
Investors	<ul style="list-style-type: none"> • Future products for cross functional business process enhancement in various industry verticals.
Engineering Service providers, Global MNCs	<ul style="list-style-type: none"> • “Risk free” demand technology lab • On demand proficiency centre for skill up-gradation • Access to industry ready talent, technical experts and consultants
Academia	<ul style="list-style-type: none"> • Availability of technology lab for faculty/researchers • Industry standard proficiency courses for upgrading skills • Platform for offering special course/consulting projects
Government	<ul style="list-style-type: none"> • Attract more FDI to India; Encourage domestic manufacturing • Help build IoT ecosystem • Cross domain application. • Build capability in IoT for Internal Security, Adopt global standards
Industry	<ul style="list-style-type: none"> • Trained manpower • Innovative Ideas • Prototypes for new products.
Students/job seekers	<ul style="list-style-type: none"> • Internships on IoT projects • Access to Industry experts/ courses / showcase of talent