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Bengaluru to Host 3rd Edition of IoT India Congress

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The third edition of IoT (Internet of Things) India Congress, 2018 will be held in Bengaluru.

What is the Internet of Things (IoT)?

- The IoT is a seamlessly connected network system of embedded objects/ devices, in which communication without any human intervention is possible using standard and interoperable communication protocols.
- IoT will enable collaboration and communication between people and things, and between things themselves hitherto unknown and unimagined, via the Internet anywhere, anytime, as a result of the convergence of many technologies.
- These include ubiquitous computing, technologies related to advanced machine-to-machine communication, data mining and decision-making, security and privacy protection and cloud computing.
- It can also be defined as interplay for software, telecom, and electronic hardware industry.

Examples of Applications:

- An IoT-enabled air conditioning system can report whether its air filter is clean and be functioning properly.
- Companies would be able to track their assets with the help of GPS-enabled devices which could communicate their current location and movement.
- In the transportation industry, an enterprise can deliver real-time tracking of parcels by using sensors to track the location of a container.

India's Policy on the Internet of Things

- For India to leverage its strength as a leader in the global service industry, the draft IoT policy has been formulated to create IoT ecosystem in the country.
- The Indian Government's plan of developing 100 smart cities in the country could lead to a massive and quick expansion of IoT in the country.
- Also, the launch of the Digital India Program of the Government, which aims at 'transferring India into digital empowered society and knowledge economy will provide the required impetus for the development of the IoT industry in the country.
- Draft IoT policy document released by the Department of Electronics and Information Technology, (Deity) focuses on the following objectives:
    - To create an IOT industry in India of USD 15 Billion by 2020 with a share of 5-6% of the global IoT industry.
    - To undertake Research & Development for all the assisting technologies.
    - To develop IoT products specific to Indian needs in all possible domains.