



KLE S Nijalingappa College
Department of Computer Science
Bachelor of Computer Application



Orientation Report
Day 2

Speaker: Mr. Samarth C S Chief Solutions Consultant, SmartQ

Time: 11:00 AM to - 2:00 PM

Date: 19th September 2020

Topic: "Internet of Things"

"The Internet of Things is not a concept; it is a network, the true technology-enabled Network of all networks." – Edewede Oriwoh

Mr. Samarth C S, kickstarted his talk by his introduction and providing a brief about his work. He gave the audience an overview of IoT and its applications. Mr. Samarth gave a clear picture of the industry, its requirements and expectations from IoT as the next technological advancement.

In the presentation that he shared, he conveyed what IoT was in simpler words. He told **"The internet of things refers to billions of physical things around the world that can be connected to the Internet"**. he covered all the aspects of IoT ranging from Wearable devices, fitness trackers, Connected cars, to complex applications such as smart home automation, smart city, smart agriculture. The devices that are connected to the internet would generate a large amount of data. He shared the fact that there would be 41.6 billion devices by 2025.

He also informed students about the various applications of IoT in the non consumer space; the Defence, Organisational, Industrial and Infrastructural IoT. He concluded his talk by sharing various job opportunities that have been elevated as result of the growing IoT industry.



The slide displays the IoT Framework - Job Areas. It includes a diagram of 'The IoT Technology Stack' with layers: Devices, Embedded Software, Communications, Cloud Platform, and Applications. Below this is 'The IoT Decision Framework' with categories: Data, Business, Technology, Security, and Maintenance & Repairs. Text on the right states: 'More demand than supply in IoT Job Market' and 'More than 4.5 Million Job openings in IoT space by 2020'. A small video window on the right shows a man with a headset.

The slide is titled 'IoT applications in Consumer Space'. It features two images: 'Smart Wearables' showing a human figure with various sensors (ear, eye, nose, mouth, hand, foot, etc.) and 'Smart Appliances' showing a smartphone with icons for a smart home, car, and other devices. A small video window on the right shows the same man with a headset.

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BCA ORIENTATION PROGRAM

Begin your journey of Technical Learning



"Internet of Things (IoT)"

Samarth C.S

SmartQ - Chief Solutions Consultant

September 19th | 11 am - 2 pm (IST)

**Academic
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