



FACULTY DEVELOPMENT PROGRAM

on

Internet of Things (IoT)

15th - 19th January , 2024

Organised by:

Department of ECE

**Maharaja Surajmal
Institute of Technology**

C-4, Janakpuri, New Delhi -110058

About the FDP

The Internet of Things, or IoT, is like turning our everyday objects into tech-savvy companions. In essence, IoT is a vast network of interconnected devices, sensors, and systems that communicate seamlessly over the internet. This interconnectedness allows for the exchange of data and real-time information, facilitating a myriad of applications across diverse domains. From smart homes and cities to industrial processes and healthcare, IoT is reshaping the way we interact with our surroundings, unlocking unprecedented levels of efficiency, automation, and innovation. As the IoT ecosystem continues to expand, its impact on daily life and Industry is poised to redefine the way we perceive and engage with technology.

The Faculty Development Program (FDP) on IoT serves as a valuable opportunity for educators to delve into the realm of Internet of Things and enhance their expertise. Such programs on IoT empowers faculty members to stay abreast of advancements, ultimately enriching the educational experience.

About MSIT

This AICTE approved Institute under GGSIP University is ideally located in the Institutional area of Janakpuri, New Delhi. Established in 2001, MSIT has a campus spread over eight acres of land with beautiful eco-friendly surroundings. The institute was initially operating from four storey building of 6279 sq.m of built up area. Later, it was shifted to a more spacious seven storeyed building with built up area of 17837 sq.m. The institute has acquired and developed impressive infrastructure, expertise and resources for imparting high quality engineering education in short span of time. The institute offers Bachelor of Technology in CSE, IT, ECE and EEE streams.

About Brain Mentors

BRAIN MENTORS Pvt. Ltd. started with a mission to link the IT industry and educational institutions. We aim to transform our every student into an IT professional who is ready to be employed in the industry.

BRAIN MENTORS Pvt. Ltd. is a team of professional experts having more than 12+ years of industry experience with a strong base in developing software products. Being IT alumni, we have a sound understanding of industry needs which helps in identifying the required skill set and nurturing our students into competent IT professional.

Registration (till 12th January, 2024)

<https://forms.gle/ejSeShcB6JfMmc2T6>

Registration Fee
Outside MSIT : INR 1000/-





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FDP Schedule

Day 1

- Innaugral
- Introduction to IoT
- Design Principles

Day 2

- Integration of Hardware with IoT
- Building Programs with Arduino
- Practical Programs

Day 3

- Networking & Communication aspects of IoT
- Use of Sensors
- Relay Module
- LED
- RTC
- Node MCU

Day 4

- Programming using Arduino
- Using Libraries
- Practical Programs

Day 5

- Integration of all hardware and sensors on Arduino
- Valedictory