DELHI TECHNOLOGICAL UNIVERSITY

Department of Software Engineering

Labs & Infrastructure

Mobile Computing & Distributed System

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Associate Professor

A "Mobile Computing & Distributed System Lab" focuses on research and development related to mobile and distributed computing technologies, encompassing areas like mobile applications, wireless networks, and distributed systems, with the goal of creating innovative solutions for various applications.

- **Mobile Computing:**

  Deals with computing on portable devices, such as smartphones, tablets, and laptops, using wireless networks.

- **Distributed Systems:**

  Involves multiple computers working together to achieve a common goal, often across a network.

- **Research Focus:**

  Labs in this area often investigate topics like:

  - Mobile applications and their development.

  - Wireless communication technologies (e.g., Wi-Fi, cellular).

  - Context-aware computing (understanding the user's environment).

  - Security and reliability in distributed systems.

  - Cloud computing and its integration with mobile devices.

  - Internet of Things (IoT) and its interaction with mobile devices.

  - Sensor networks and their applications

- **Applications:**
  The lab's research can lead to applications in areas like:
  - Electronic commerce.

  - Online voting.

  - Healthcare.

  - Business applications (e.g., mobile CRM)

  - Entertainment (e.g., streaming services)

  - Education (e.g., e-learning platforms)

  - Navigation (e.g., GPS apps)

  - Robotics

Equipment's in Lab:

Computers and Hardware Peripherals -:

Lab Name	Manufacturer/ Model	Processor/RAM/HDD	Operating System	Unit
Mobile computing &Distributed system	HP	Processor 12th Gen Intel(R) Core (TM) i7-12700 2.10 GHz Installed RAM 16.0 GB System type 64-bit operating system, x64-based processor	64-bit Windows 11 pro	02

Wi-Fi: -
Manageable Wi-Fi access point in the lab for access Internet on Desktop and Laptop.

Installed Software & Tools: -
Android Studio, VS Code, Pycharm CE, Turbo C++ 4.0 , Code blocks – 13.12 , Dev Cpp - 4.9.9.2, MS Office. etc.

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