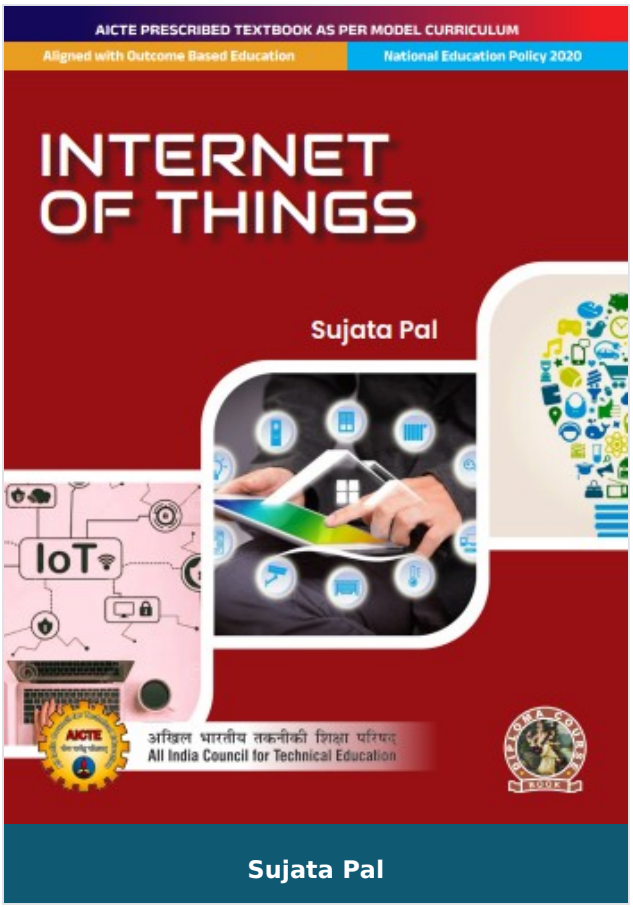


Internet of Things

Author :	Sujata Pal
ISBN 13 :	978-93-55384-95-9
ISBN 10 :	9355384955
E-ISBN 13 :	978-93-55384-95-9
Edition :	First
Pages :	180
Type of book :	Physical
Year :	2026
Language :	English
Publisher :	Khanna Publishing House
M.R.P :	Rs 348.00
Categories :	English Books, Book Store, AICTE Prescribed Textbooks
Condition Type :	New
Country Origin :	India

Product Description

Internet of Things

This book offers a quick yet thorough introduction to the Internet of Things (IoT), covering its ideas, technologies, and applications. It covers IoT protocols, and device integration, with an emphasis on hands-on learning and real-world applications. Designed for students, educators, and professionals, it provides a clear path to learning and inventing in ever-changing IoT ecosystem.

Salient Features:

- Explain the conceptual basis of the internet of Things, including its evolution, terminology, and basic frameworks.
- Sensors, actuators, communication protocols, and architecture are among the essential building pieces of the Internet of Things.
- A detailed description of popular IoT communication protocols such as MQTT, CoAP, LoRaWAN, and ZigBee.
- Covers architecture frameworks like one M2M and the IoT world forum to ensure smooth integration.
- Examples of Internet of Things application include smart cities, healthcare, agriculture, and industrial automation.
- Real-world use cases range from smart lighting systems to predictive maintenance in industries.
- Investigates ethical and regulatory considerations for constructing IoT systems.
- Structured to achieve specific program Outcomes (POs) and Course Outcomes (COs).
- Unit-specific learning goals are connected with Blooms Taxonomy to promote skill development.

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