



Internet of Things

Author :	Sujata Pal
ISBN 13 :	978-93-55384-95-9
ISBN 10 :	93-55384-95-5
E-ISBN 13 :	978-93-55384-95-9
Edition :	First
Pages :	180
Type of book :	Paperback
Year :	2026
Language :	English
Publisher :	Khanna Publishing House
M.R.P :	Rs 348.00
Categories :	AICTE Prescribed Textbooks, English Books
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.

Table of Contents

Foreword Dedication Acknowledgement Preface Outcome Based Education Course Outcomes Guidelines for Teachers
Guidelines for Students Abbreviations and Symbols List of Figures List of Figures

- Fundamentals Of Internet of Things
- IoT Communications Protocols
- Arduino Programming
- Implementation Of IoT with Raspberry Pi
- IoT Application with Case Studies

CO and PO Attainment Table Index



Khanna Publishing House

4C/4344, Ansari Road, Daryaganj, New Delhi-110002

Email: contact@khannabooks.com | Tel: 011-2324 44 47 - 48 | Mobile: + +91-99109 09320

Author

Dr. Sujata Pal Associate Professor Department of Computer Science and Engineering Indian Institute of Technology Ropar



Khanna Publishing House

4C/4344, Ansari Road, Daryaganj, New Delhi-110002

Email: contact@khannabooks.com | Tel: 011-2324 44 47 - 48 | Mobile: + +91-99109 09320