Fundamental of Internet of Things

Dr. Nidhi Desai

FUNDAMENTAL OF INTERNET OF THINGS

Dr. Nidhi Desai
Assistant Professor,
SDJ International College,
Surat.

Kripa-Drishti Publications, Pune.

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PREFACE

I am pleased to introduce "Fundamentals of Internet of Things" authored by Dr. Nidhi Desai. This book offers a clear and comprehensive exploration of the fascinating field of IoT. Dr. Nidhi Desai's expertise and accessible writing style make this book an ideal resource for readers of all levels. Whether you are new to IoT or seeking to deepen your understanding, this book provides a solid foundation. With practical examples and insights, Dr. Nidhi Desai guides us through the fundamental concepts and applications of IoT. I highly recommend this book as a valuable reference for anyone interested in the exciting world of the Internet of Things.

Abbreviations

Internet of Things (IOT)

Local Area Networks (LANs)

Low Power Wide Area Network (LPWAN)

Machine-to-Machine (M2M)

Transport Layer Security (TLS)

Secure Sockets Layer (SSL)

Artificial intelligence (AI)

Wireless Sensor Network (WSN)

Integrated Circuits. (IC)

Resistance Temperature Detectors (RTDs)

Light Dependent Resistors (LDRs)

Micro-Electromechanical Systems (MEMS)

Charge-Coupled Device (CCD)

Complementary Metal-Oxide-Semiconductor (CMOS)

General Purpose Input/Output (GPIO)

Graphical User Interface (GUI)

Integrated Development Environment (IDE)

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ABOUT THE AUTHOR

Dr. Nidhi Desai *received the B.Sc (Computer Scinece) degree from Shree Ramkrishna Institute Of Computer Education And Applied Sciences, Surat in 2007, M.Sc. ICT (Information Communication Technology) from J.P.Dawer institute of Information Science and Technology - MSc (IT) & MSc (ICT), Surat in 2009, M.Phil (Computer Science) from Kadi Sarva Vishwavidyalaya, Gandhinagar in 2016 and PhD (Computer Science) Degree from Sardar Patel University, Vallabh Vidhya nagar in 2022. She is currently working as Assistant Professor in SDJ International College, Surat. She is the In-charge of Vocational Certificate Course in SDJ International College, Surat. She has worked as lecturer in various Computer science colleges with a total experience of 14 years. She has number of research papers in national and international conferences and journals to her credit. She has conducted national and international conferences, Induction Program, FIP, FDP and workshops.*

She has been helping people with her Palmistry skills since 2004.She has completed her PhD in Intelligence Palmistry. She has undergone more than 15 years of world-class training in personal development, Healing, Meditation, and Chakra Healing. She completed a various intensive Training and completed the level of Silva Mind Control, Pranic Violate Healing, Prana Healing, Numerology, and Chakra Cleansing. She read dozens of books that focus on personal development, mind-body-soul connections, Numerology, color therapy, angel therapy, the Law of Attraction, Neuro Science, Emotional Eating, Psychology, Health and Fitness, Forgiveness, Compassion, Grief, Loss and Chakras. And she attended numerous of counseling, Naturopathy, Psychotherapy, and Meditation Sessions. In addition, she is more into astrology and applies that knowledge in Technical Analysis in Trading as well. She is on the mission to empower one million people to make them financially independent through technical analysis education.

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