

### **Artificial Intelligence: Making a System Intelligent**

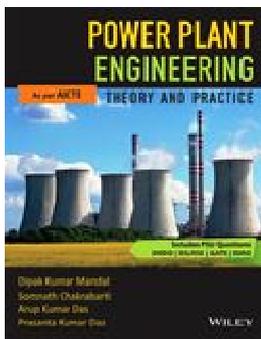
by Dr. Nilakshi Jain

2019/ 444 Pages / paperback / Rs. 599 (Rs. 454 on Amazon India)

ISBN: 978-8126579945 / Wiley

This book explains the concept of intelligent systems, techniques from knowledge-based systems, neural networks, fuzzy systems, evolutionary computation, and intelligent agents. The book attempts to explain the principles behind these techniques without resorting to complex mathematics. Since the prior knowledge of the subject is not a must, it serves as an introductory text for a course in artificial intelligence and intelligent systems design. The contemporary coverage of this book is also beneficial to advanced students as it facilitates in discovering state-

of-the-art techniques, particularly in intelligent agents and knowledge discovery. This book has been written as per AICTE guidelines and covers the subject in 18 chapters namely: Introduction to Artificial Intelligence; Intelligent Agents; Problem Solving; Uninformed Search Strategies; Informed Search; Adversarial Search; Constraint Satisfaction Problem; Knowledge and Reasoning; Predicate Logic; Representation Knowledge Using Rules; Planning and Learning; Uncertain Knowledge and Reasoning; Natural Language Processing; Expert System; Application; Cognitive Computing; Introduction to Soft Computing and Fuzzy Logic; and Artificial Neural Network. Additional resources including laboratory experiments and important questions and solutions are available to the readers. Chapter wise PPTs are available to instructors on request.



### **Power Plant Engineering: Theory and Practice**

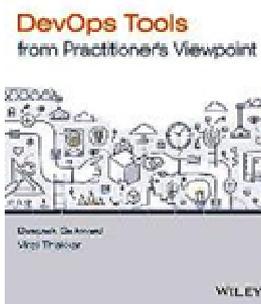
By Dipak Kumar Mandal, Somnath Chakrabarti, Arup Kumar Das, Prasanta Kumar Das

2019 / 584 Pages / Paperback / Rs. 649

ISBN: 978-8126579754 / Wiley

This book, presents a comprehensive coverage on thermal power plant engineering along with some basics of nuclear power generation systems, diesel engine and gas turbine power plant, and hydroelectric power plant. The topic, as prescribed in the syllabi of almost all engineering colleges and Indian universities either as a core subject or as an elective subject, is written in simple and lucid manner for undergraduate and postgraduate Mechanical and Electrical Engineering students, and for practicing engineers in power stations. This book has been written as per AICTE guidelines and covers the subject in 15 chapters namely: Thermodynamic Vapour

Power Cycles; Practical Power Plant Cycle; Fuel and Combustion; Steam Generator, Feed Cycle, Air and Flue Gas Path; Boiler Performance and Draught Systems; Steam Nozzles; Steam Turbine; Condenser, Circulating Water Systems and Water Treatment; Turbogenerator; Mechanical Control System; Basic Nuclear Power Generation; Basic Diesel Engine and Gas Turbine; Basic Hydro-Electric (Hydel); Nonconventional Energy Systems; and Power Plant and Its Economics. Solved examples, illustrations, industrial experience based knowledge sharing, makes this book a unique one. Multiple choice questions with answers, review questions, exercises and answers and PSU previous year's questions are useful in comprehending the concepts and testing the understanding.



### **DevOps Tools from Practitioner's Viewpoint**

By Deepak Gaikwad, Viral Thakkar

2019 / 176 Pages / Paperback / Rs. 549 (Rs. 522 on Amazon India)

ISBN: 978-8126579952 / Wiley

In this book, the authors with extensive experience in IT industry (from Infosys) provide a proven step-by-step methodology to adopt DevOps in any project. It provides precise knowledge of tools to architect effective pipelines by selecting tools suitable for specific scenarios. Readers can do this by using features, comparative study, pros and cons, reference architectures and much more about most of the popular tools in open-source and proprietary market. Basic and advance Agile and DevOps concepts in practical context have been discussed to lay strong knowledge foundation for the readers. As DevOps is a continuous process, the

establishment of governance around DevOps has been discussed to ensure that projects continue to evolve as they progress in this journey. The authors cover the subject in 14 chapters namely: The World without DevOps, Really?; Agile Methodology and DevOps; Map My App to DevOps Journey; Tool Suits; Orchestration; Application Lifecycle Management; Source Code Management and Quality; Deployment and Infrastructure Management; DevOps with Cloud; Application Security; DevOps Governance and Controls; Adopting DevOps; DevOps Best Practices; DevOps Emerging Trends. The readers will find the 19 minutes webinar on "How DevOps can fuel Digital Transformation" presented by the authors useful. Pl. visit <https://youtu.be/wr7gWQTEXZ8> This book is a recommended read for those looking for opportunities in DevOps.