



INDIAN INSTITUTE OF SPACE SCIENCE AND TECHNOLOGY

Library and Information Resource Division

NEW ARRIVALS

(New Books Added to IIST Library on 07.08.2026)



CONTENTS

Sl. No.	Subject
1	Aerospace Engineering ➤ Drones ➤ Secrets of soviet cosmonauts ➤ To the stars
2	Astronomy and Astrophysics ➤ Deep sky astrophotography primer ➤ Satellite remote sensing for water management ➤ Search for ultralight bosonic dark matter ➤ Star mentor
3	Chemistry ➤ Active probe atomic force microscopy ➤ Fundamentals of molecular spectroscopy
4	Computer Science and Technology ➤ Advanced blockchain technologies ➤ Artificial intelligence, ethics and the future of warfare ➤ Biomechanical principles on force generation and control of skeletal muscle and their applications in robotic exoskeleton ➤ Blockchain, internet of things, and artificial intelligence ➤ Building DIY websites for dummies ➤ Causal inference and discovery in Python - machine learning and pearlian perspective ➤ Convergence ➤ Creative machines ➤ Design and analysis of cryptographic algorithms in blockchain ➤ Drawing from the model ➤ Fundamentals of natural computing ➤ Introduction to Python for digital humanists ➤ Learning for adaptive and reactive robot control ➤ Ransomware and cybercrime

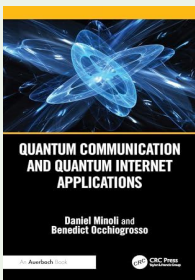
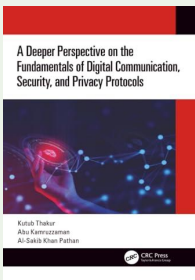
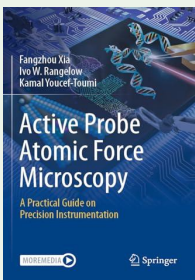
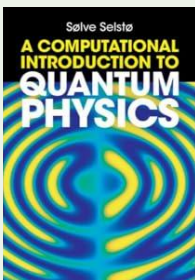
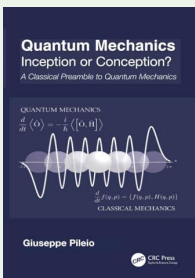
Sl. No.	Subject
	➤ Real-time systems ➤ Shaping tomorrow ➤ Thinking with machines ➤ Threats ➤ Unlocking artificial intelligence ➤ Writing for interactive media
5	Electrical Engineering ➤ Artificial intelligence based 6G networking ➤ Deeper perspective on the fundamentals of digital communication, security, and privacy protocols ➤ Detection of optical signals ➤ Digital communications ➤ Electronic and electrical engineering ➤ Fourth generation of nuclear reactors ➤ ISRO scientist/engineer (scientist-c) electrical engineering ➤ Millimeter wave radar ➤ Networked artificial intelligence ➤ Quantum physics of semiconductor materials and devices
6	Environmental Science ➤ Climate change in the indo-pacific ➤ Environmental studies from india ➤ Shattered earth
7	History and Geography ➤ Decolonial travel ➤ From science to society
8	Mathematics ➤ Advanced mathematics ➤ Critical thinking and creative analogies in statistics, science, and technology ➤ Introduction to module theory

Sl. No.	Subject
	➤ Quantum geometry, matrix theory, and gravity ➤ General topology ➤ Differential calculus in several variables ➤ Real analysis ➤ Solution techniques for elementary partial differential equations ➤ Free boundary problems in fluid dynamics ➤ Graph learning techniques ➤ Probability, random variables and stochastic processes ➤ Probability theory and statistical applications ➤ Fundamentals of testing statistical hypotheses
9	Physics ➤ Computational introduction to quantum physics ➤ Effects of electromagnetic radiation on living beings ➤ General relativity ➤ Introduction to laser-plasma interactions ➤ Introduction to the maths and physics of quantum mechanics ➤ Mechanical oscillations and sound waves ➤ Modern thermodynamics and statistical mechanics ➤ Neutrino physics ➤ Physics ➤ Quantum communication and quantum internet applications ➤ Quantum mechanics ➤ Spectral multi-detector computed tomography (sMDCT) ➤ Statistical physics ➤ Theory of elasticity
10	Psychology ➤ Applied psychology ➤ Simply psychology

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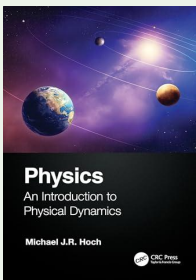
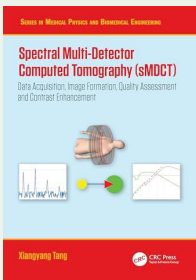
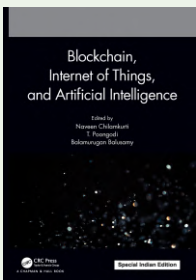
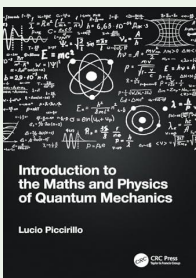
Sl. No.	Subject
11	Science and Philosophy ➤ How to learn and practice science ➤ Philosophy and science of risk
12	Social Science ➤ Applying social psychology ➤ Doing computational social science ➤ Hypernomics ➤ Speaking data and telling stories ➤ Sun, wind, and biomass

NEW BOOKS ADDED TO IIST LIBRARY ON 07.08.2026

Sl. No.	Acc. No.	Details of the Book		No. of Copies
1	24866		Title: Quantum communication and quantum internet applications	1
			Author: Minoli, Daniel	
			Publisher: CRC Press: Abingdon, 2025	
2	24867		Title: Deeper perspective on the fundamentals of digital communication, security, and privacy protocols	1
			Author: Kutub Thakur	
			Publisher: CRC Press: Abingdon, 2022	
3	24868		Title: Active probe atomic force microscopy	1
			Author: Xia, Fangzhou	
			Publisher: Springer: Switzerland, 2024	
4	24869		Title: Computational introduction to quantum physics	1
			Author: Selsto, Solve	
			Publisher: Cambridge University Press: New York, 2024	
5	24870		Title: Quantum mechanics	1
			Author: Pileio, Giuseppe	
			Publisher: CRC Press: Boca Raton, 2024	

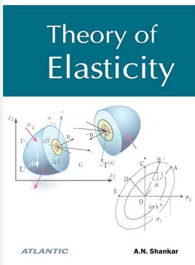
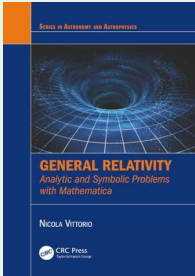
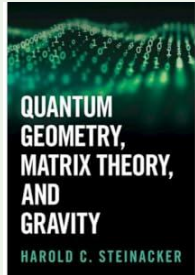
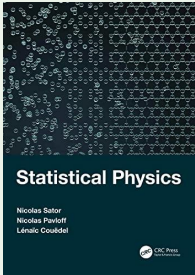
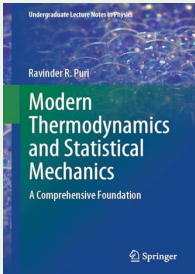
[Back to Contents](#)

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Sl. No.	Acc. No.	Details of the Book		No. of Copies
6	24871		Title: Physics	1
			Author: Hoch, Michael J R	
			Publisher: CRC Press: Boca Raton, 2025	
7	24872		Title: Spectral multi-detector computed tomography (sMDCT)	1
			Author: Tang, Xiangyang	
			Publisher: CRC Press: Boca Raton, 2024	
8	24873		Title: Advanced blockchain technologies	1
			Author: Asharaf, S	
			Publisher: Wiley: New Delhi, 2025	
9	24874		Title: Blockchain, internet of things, and artificial intelligence	1
			Editors: Naveen Chilamkurti Poongodi, T Balamurugan Balusamy	
			Publisher: CRC Press : Boca Raton, 2026	
10	24875		Title: Introduction to the maths and physics of quantum mechanics	1
			Author: Piccirillo, Lucio	
			Publisher: CRC Press: Boca Raton, 2024	

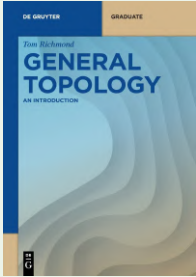
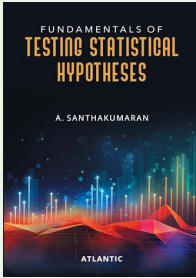
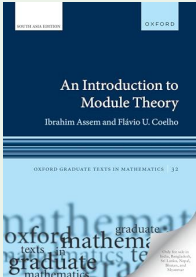
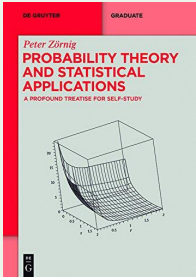
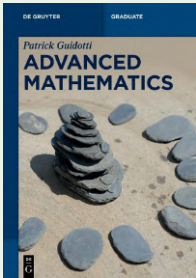
[Back to Contents](#)

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11	24876		Title: Theory of elasticity	1
			Author: Shankar, A N	
			Publisher: Atlantic Publishers: New Delhi, 2023	
12	24877		Title: General relativity	1
			Author: Vittorio, Nicola	
			Publisher: CRC Press: Boca Raton, 2025	
13	24878		Title: Quantum geometry, matrix theory, and gravity	1
			Author: Steinacker, Harold C	
			Publisher: Cambridge University Press: New York, 2024	
14	24879		Title: Statistical physics	1
			Author: Sator, Nicolas	
			Publisher: CRC Press: Boca Raton, 2024	
15	24880		Title: Modern thermodynamics and statistical mechanics	1
			Author: Ravinder R Puri	
			Publisher: Springer: Switzerland, 2024	

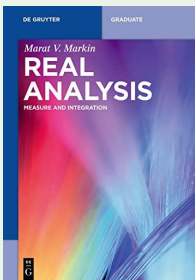
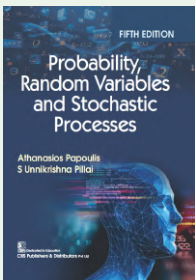
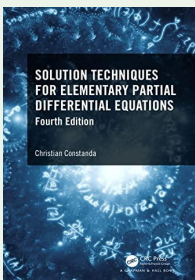
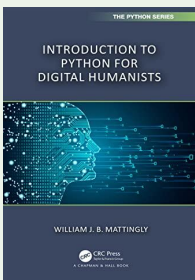
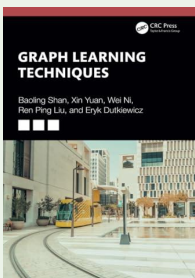
[Back to Contents](#)

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16	24881		Title: General topology	1
			Author: Richmond, Tom	
			Publisher: De Gruyter: Berlin, 2025	
17	24882		Title: Fundamentals of testing statistical hypotheses	1
			Author: Santhakumaran, A	
			Publisher: Atlantic: New Delhi, 2025	
18	24883		Title: Introduction to module theory	1
			Author: Assem, Ibrahim	
			Publisher: Oxford University Press: United Kingdom, 2024	
19	24884		Title: Probability theory and statistical applications	1
			Author: Zornig, Peter	
			Publisher: De Gruyter: Berlin, 2025	
20	24885		Title: Advanced mathematics	1
			Author: Guidotti, Patrick	
			Publisher: De Gruyter: Berlin, 2025	

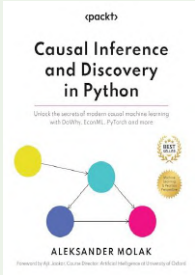
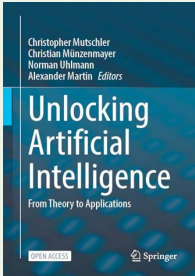
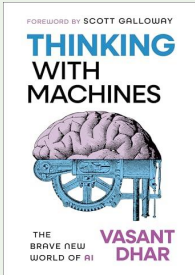
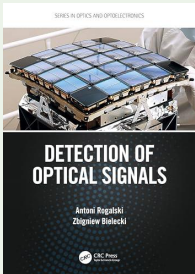
[Back to Contents](#)

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Sl. No.	Acc. No.	Details of the Book		No. of Copies
21	24886		Title: Real analysis	1
			Author: Markin, Marat V	
			Publisher: De Gruyter: Berlin, 2025	
22	24887		Title: Probability, random variables and stochastic processes	1
			Author: Papoulis, Athanasios	
			Publisher: CBS Publishers: New Delhi, 2026	
23	24888		Title: Solution techniques for elementary partial differential equations	1
			Author: Constanda, Christian	
			Publisher: CRC Press: Boca Raton, 2023	
24	24889		Title: Introduction to Python for humanists	1
			Author: Mattingly, William J B	
			Publisher: CRC Press: Boca Raton, 2023	
25	24890		Title: Graph learning techniques	1
			Author: Shan, Baoling	
			Publisher: CRC Press: Boca Raton, 2025	

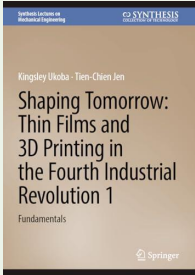
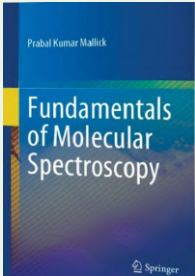
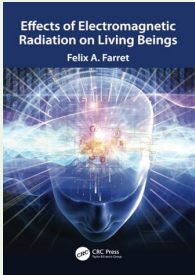
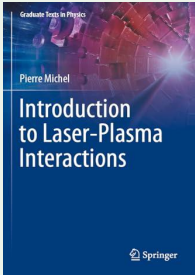
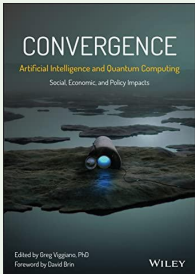
[Back to Contents](#)

NEW BOOKS ADDED TO IIST LIBRARY ON 07.08.2026

Sl. No.	Acc. No.	Details of the Book		No. of Copies
26	24891		Title: Causal inference and discovery in Python - machine learning and pearlian perspective	1
			Author: Molak, Aleksander	
			Publisher: Packt: Birmingham, 2023	
27	24892		Title: Unlocking artificial intelligence	1
			Editors: Mutschler, Christopher Munzenmayer, Christian Uhlmann, Norman Martin, Alexander	
			Publisher: Springer: Switzerland, 2024	
28	24893		Title: Thinking with machines	1
			Author: Dhar, Vasant	
			Publisher: Wiley: New Jersey, 2026	
29	24894		Title: Quantum physics of semiconductor materials and devices	1
			Author: Jena, D	
			Publisher: Oxford University Press: United Kingdom, 2022	
30	24895		Title: Detection of optical signals	1
			Author: Rogalski, Antoni	
			Publisher: CRC Press: Boca Raton, 2022	

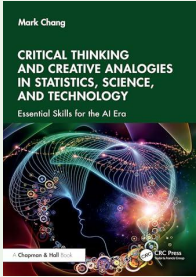
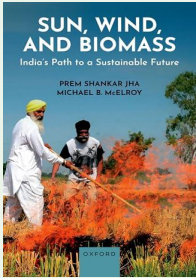
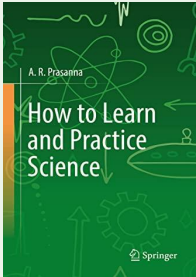
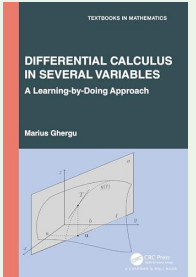
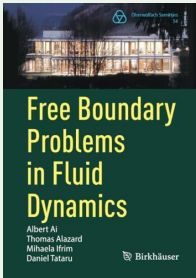
[Back to Contents](#)

NEW BOOKS ADDED TO IIST LIBRARY ON 07.08.2026

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31	24896		Title: Shaping tomorrow	1
			Author: Ukoba, Kingsley	
			Publisher: Springer: Switzerland, 2025	
32	24897		Title: Fundamentals of molecular spectroscopy	1
			Author: Prabal Kumar Mallick	
			Publisher: Springer: Singapore, 2023	
33	24898		Title: Effects of electromagnetic radiation on living beings	1
			Author: Farret, Felix A	
			Publisher: CRC Press: Boca Raton, 2025	
34	24899		Title: Introduction to laser-plasma interactions	1
			Author: Michel, Pierre	
			Publisher: Springer: Switzerland, 2023	
35	24900		Title: Convergence	1
			Author: Viggiano, Greg	
			Publisher: John Wiley and Sons: New Jersey, 2023	

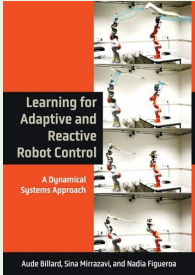
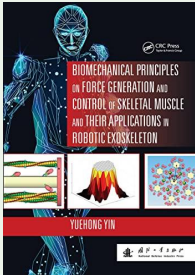
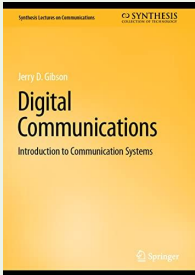
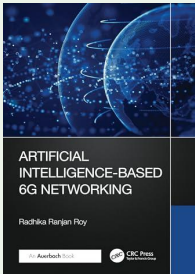
[Back to Contents](#)

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36	24901		Title: Critical thinking and creative analogies in statistics, science, and technology	1
			Author: Chang, Mark	
			Publisher: CRC Press: Abingdon, 2026	
37	24902		Title: Sun, wind, and biomass	1
			Author: Prem Shankar Jha	
			Publisher: Oxford University Press: United Kingdom, 2025	
38	24903		Title: How to learn and practice science	1
			Author: Prasanna, A R	
			Publisher: Springer: Switzerland, 2022	
39	24904		Title: Differential calculus in several variables	1
			Author: Ghergu, Marius	
			Publisher: CRC Press: Boca Raton, 2024	
40	24905		Title: Free boundary problems in fluid dynamics	1
			Author: Ai, Albert	
			Publisher: Birkhauser: Switzerland, 2024	

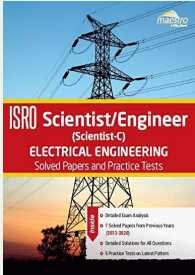
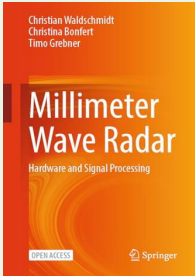
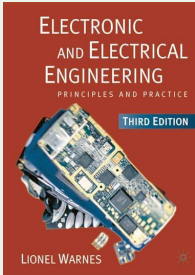
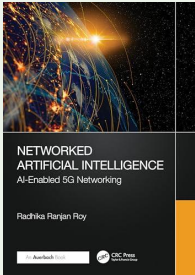
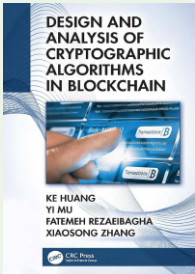
[Back to Contents](#)

NEW BOOKS ADDED TO IIST LIBRARY ON 07.08.2026

Sl. No.	Acc. No.	Details of the Book		No. of Copies
41	24906		Title: Learning for adaptive and reactive robot control	1
			Author: Aude Billard, Sina Mirrazavi and Nadia Figueroa	
			Publisher: The MIT Press: London, 2022	
42	24907		Title: Fundamentals of natural computing	1
			Author: Castro, Leandro Nunes de	
			Publisher: CRC Press: Boca Raton, 2025	
43	24908		Title: Biomechanical principles on force generation and control of skeletal muscle and their applications in robotic exoskeleton	1
			Author: Yin, Yuehong	
			Publisher: CRC Press: Boca Raton, 2020	
44	24909		Title: Digital communications	1
			Author: Gibson, Jerry D	
			Publisher: Springer: Switzerland, 2023	
45	24910		Title: Artificial intelligence based 6G networking	1
			Author: Radhika Ranjan Roy	
			Publisher: CRC Press: Boca Raton, 2025	

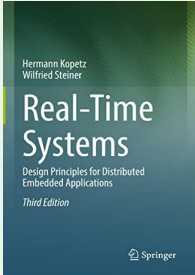
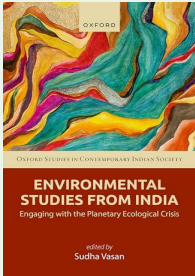
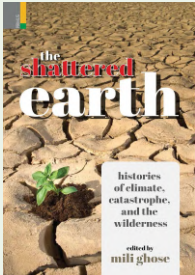
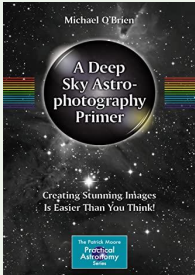
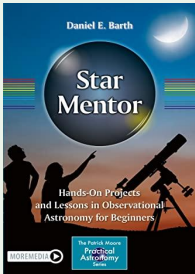
[Back to Contents](#)

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Sl. No.	Acc. No.	Details of the Book		No. of Copies
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			Author:	
			Publisher: Wiley India: New Delhi, 2020	
47	24912		Title: Millimeter wave radar	1
			Author: Waldschmidt, Christian	
			Publisher: Springer: Switzerland, 2025	
48	24913		Title: Electronic and electrical engineering	1
			Author: Warnes, Lionel	
			Publisher: Bloomsbury: New Delhi, 2025	
49	24914		Title: Networked artificial intelligence	1
			Author: Roy, Radhika Ranjan	
			Publisher: CRC Press: Boca Raton, 2025	
50	24915		Title: Design and analysis of cryptographic algorithms in blockchain	1
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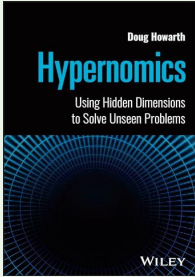
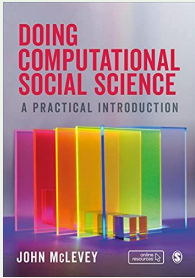
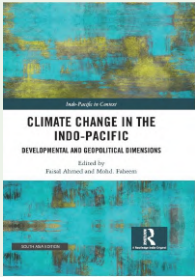
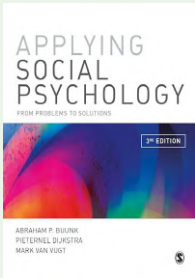
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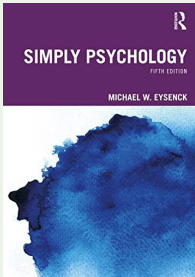
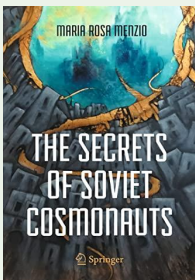
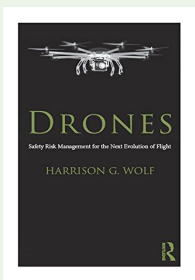
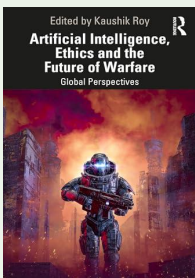
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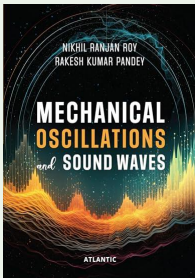
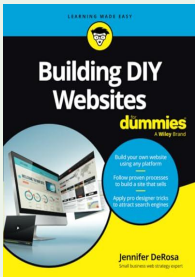
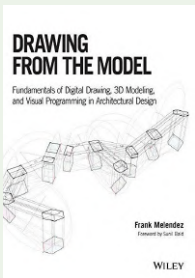
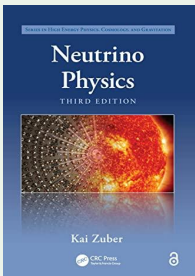
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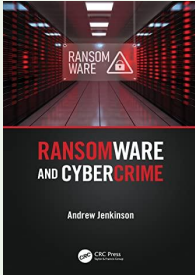
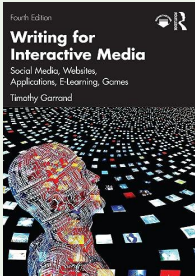
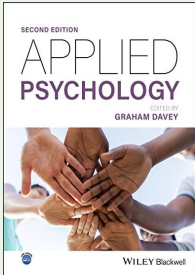
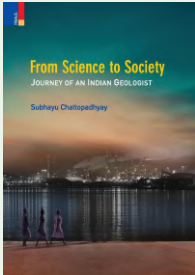
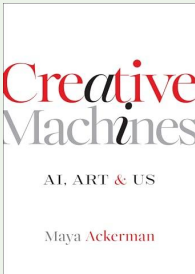
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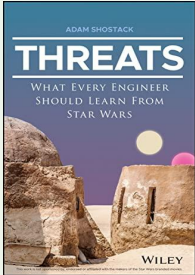
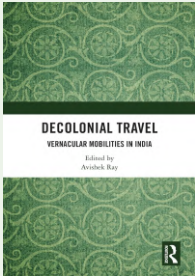
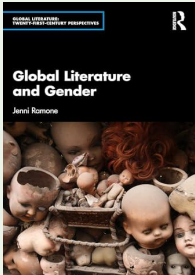
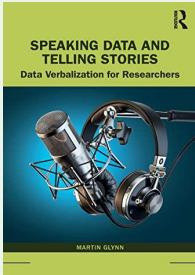
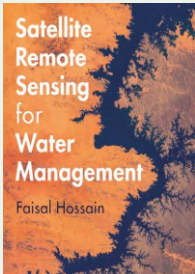
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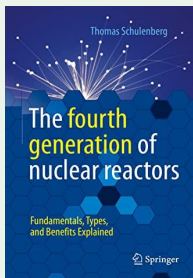
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[Back to Contents](#)

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