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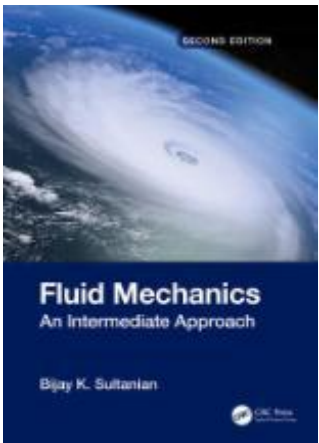
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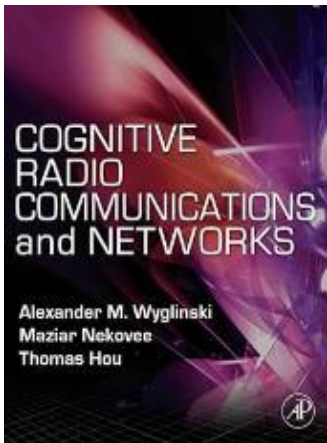
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Applied Mechanics

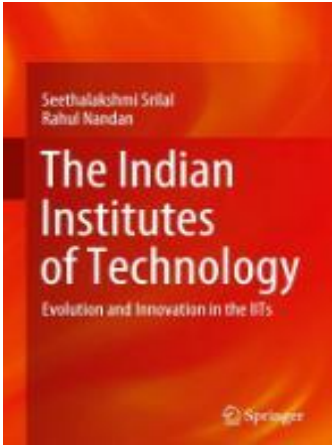
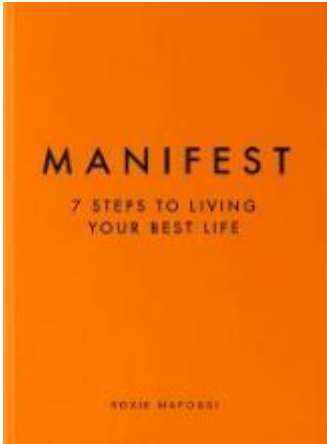
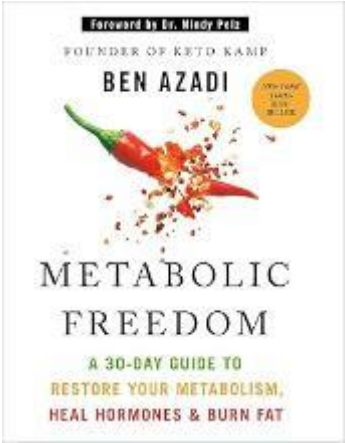
1		Fluid mechanics: an intermediate approach by Bijay K. Sultanian, 2nd ed. Boca Raton: CRC Press, 2025. xviii, 370 p. Include index (p. 365-370)
		ISBN: 9781032350790
		Subject Terms: Thermodynamics; Mass conservation; Superpositions; Magnus effect; Deformation rate
		532 SUL-F Barcode: 181650; CL Click here for more details.

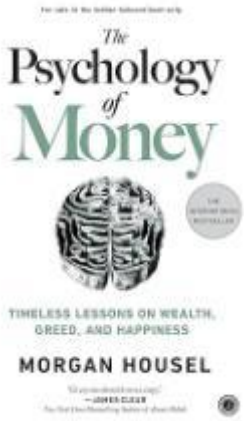
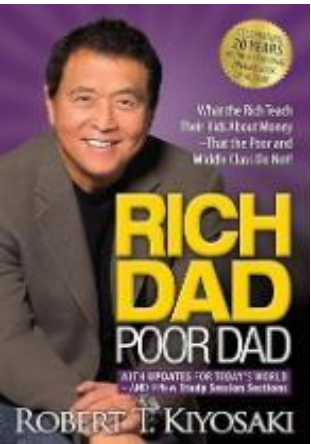
Bharti School of Telecommunication Technology and Management

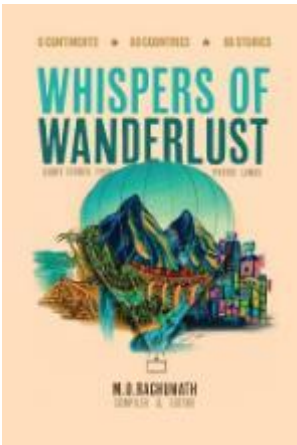
2		Cognitive radio communications and networks: principles and practice edited by Alexander M. Wyglinski, Maziar Nekovee and Y. Thomas Hou, California: Academic Press, 2010. xxi, 714 p. Includes appendix, references and index (p. 621-714)
		ISBN: 9780123747150
		Subject Terms: Radio frequency; Networks security; Communications; Wireless; Mobile communications
		621.396 -COG Barcode: 181639; BSTTM Click here for more details.

Central Library*

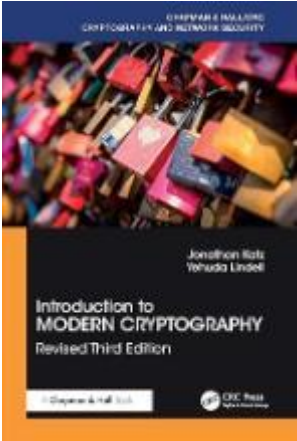
3		Digital humanities workshops: lessons learned edited by Laura Estill and Jennifer Guiliano, New York: Routledge, 2024. xviii, 222 p. Digital research in the arts and humanities. Includes index (p. 219-222) ISBN: 9781032293301
		Subject Terms: Adaptive pedagogy; Python; Thematically linked data; Community movements; Heritage skills
		303:004 -DIG Barcode: 181638; CL
		Click here for more details.

4		Indian Institutes of Technology: evolution and innovation in the IITs by Seethalakshmi Srilal and Rahul Nandan, Singapore: Springer, 2025. xxvi, 219 p. Includes reference (p. 219) ISBN: 9789819647989 Subject Terms: History - IITs; Infrastructure; Innovation; Research; Scientific 378:62(540) SRI-I Barcode: 181653; CL Click here for more details.
5		Manifest: 7 steps to living your best life by Roxie Nafousi, London: Penguin Random House, 2022. 184 p. Includes index (p.155-160) ISBN: 9780241539590 Subject Terms: Life transformation; Mindset growth; Success habits; Wellness; Self-Improvement 133.9 NAF-M Barcode: 181648; CL Click here for more details.
6		Metabolic freedom: a 30-day guide to restore your metabolism, heal hormones and burn fat by Ben Azadi, New Delhi: Hay House, 2025. xv, 297 p. Includes index (p. 283-294) ISBN: 9789366118970 Subject Terms: Paradigm; Health; Processed foods; Environmental toxins; Quality sleep 616-008 AZA-M Barcode: 181633; CL Click here for more details.
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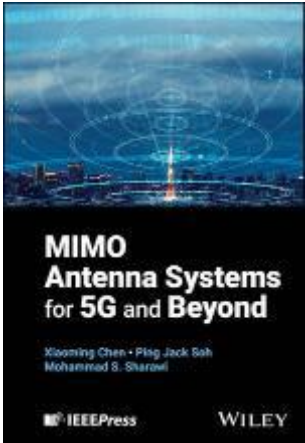
7		Psychology of money: timeless lessons on wealth, greed, and happiness by Morgan Housel, Mumbai: Jaico Publishing House, 2020. viii, 242 p. ISBN: 9789390166268 Subject Terms: Saving behavior; Compounding; Financial independence; Ego and money; Lifestyle inflation 159.9:336.74 HOU-P Barcode: 181634; CL Click here for more details.
8		Rich dad poor dad by Robert T. Kiyosaki, Scottsdale: Plata Publishing, 2022. xii, 348 p. ISBN: 9781612681139 Subject Terms: Financial literacy; Cash flow; Money management; Financial discipline; Investments 336.581 KIY-R Barcode: 181635; CL Click here for more details.
9		Set-valued analysis / by Jean-Pierre Aubin and Helene Frankowska by Jean-Pierre Aubin and Helene Frankowska, New York: Springer, 2009. xix, 461p., - Modern birkhauser classics. Includes bibliography and index (p. 421-461) ISBN: 9780817648473 Subject Terms: Duality theorem; Generic continuity; Open mapping; Equilibrium; Contingent cones 517.9 AUB-S Barcode: 181632; CL Click here for more details.

10		Whispers of wanderlust: short stories from diverse lands edited by M. O. Raghunath, London: Gulf Book Services, 2025. v, 221 p. ISBN: 9781917529181 Subject Terms: Wanderlust; Travel fiction; Short stories; Multicultural fiction; Fiction anthology 82-992 -WHI Barcode: 181654; CL Click here for more details.

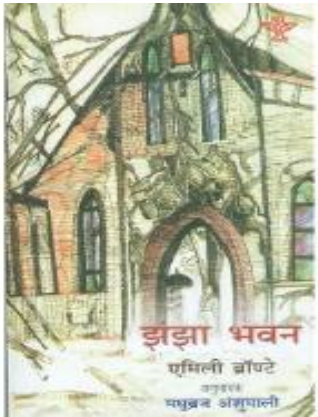
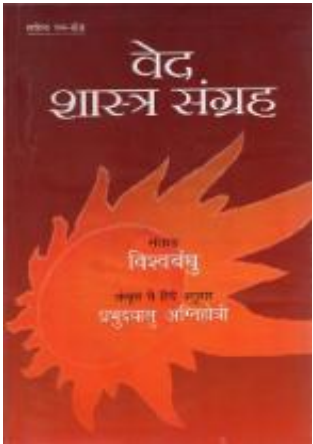
Computer Science and Engineering

11		Introduction to modern cryptography By Jonathan Katz and Yehuda Lindell, 3rd ed. Boca Raton: CRC Press, 2025. xv, 620 p. Chapman and hall/CRP cryptography and network security. Includes references and index (p. 597-620) ISBN: 9781032496795 Subject Terms: Number theory; Cryptography; Discrete logarithms; Security; Networks 681.188 KAT-I Barcode: 181640-181641; CL; CSE Click here for more details.
12		Programming language design and implementation by Torben Aegidius Mogensen, 2nd ed. Cham: Springer, 2026. xix, 350 p., - Texts in computer science. ISBN: 9783031932984 Subject Terms: Programming languages; Syntax; Polymorphism; Modularization; Language design 681.3 MOG-P Barcode: 181649; CL Click here for more details.
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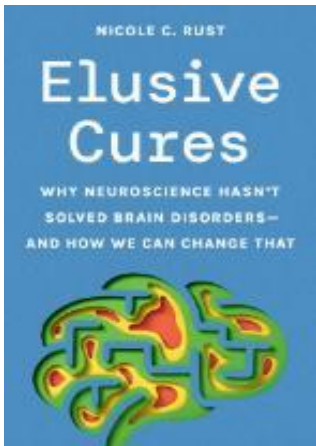
Electrical Engineering

13		MIMO antenna systems for 5G and beyond by Xiaoming Chen, Ping jack soh and Mohammad S. Sharawi, Hoboken: Wiley, 2025. xix, 372 p. Includes index (p. 371-372) ISBN: 9781119932512 Subject Terms: Wireless technology; Efficiency; Polarization; Isolation; Threshold combining 621.395 CHE-M Barcode: 181652; CL Click here for more details.
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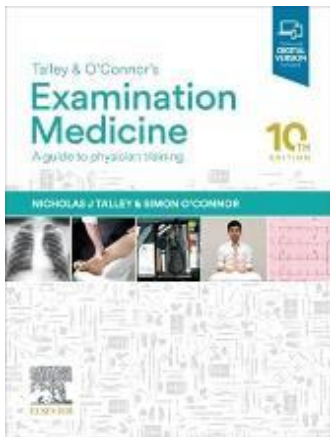
Hindi Cell

14		Jhanjha bhavan (झंझा भवन) by Emily Bronte, New Delhi: Sahitya Akademi, 2019. 319 p. ISBN: 9789389195927 Subject Terms: Novel; Romantic tragedy; Isolation and loneliness; Classic literature; Gothic fiction H 82-31 BRO-J Barcode: H433; CL Click here for more details.
15		Veda shastra sangrah (वेद शास्त्र संग्रह) edited by Vishvabandhu, New Delhi: Sahitya Akademi, 2024. 524 p., - Sahitya ratna kosah (साहित्य रत्न कोश). Includes bibliography (p. 523-524) ISBN: 9788126010233 Subject Terms: Sanatana dharma; Hindu philosophy; Vedic literature; Spiritual knowledge; Ethics and morality H 233-24 -VED Barcode: H434; CL Click here for more details.

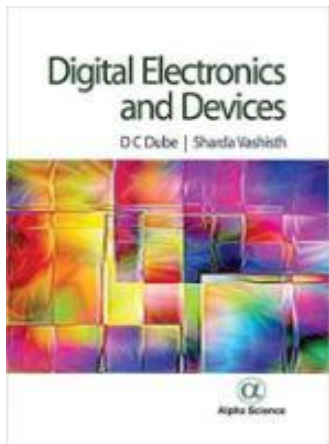
Humanities and Social Sciences

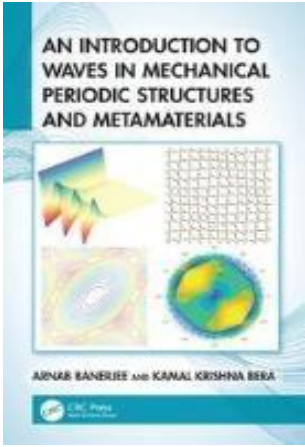
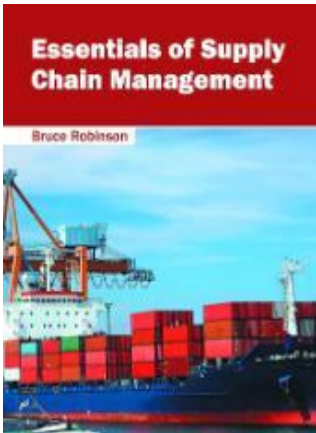
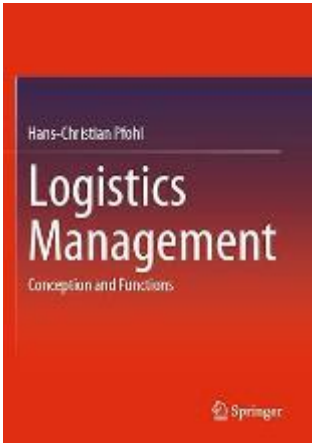
16		Elusive cures: why neuroscience hasn't solved brain disorders - and how we can change that by Nicole C. Rust, Princeton: Princeton University Press, 2025. x, 285 p. Include index (p. 275-285)
		ISBN: 9780691243054
		Subject Terms: Neuroscience; Brain disorders; Neurological diseases; Mental disorders; Brain research
		616.8-008.6 RUS-E
		Barcode: 181655; CL
		Click here for more details.

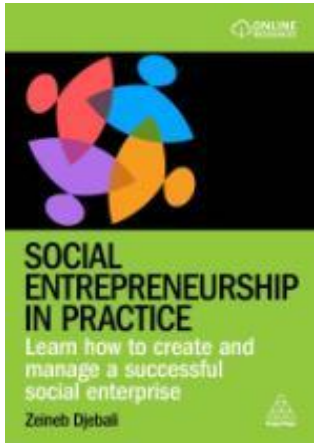
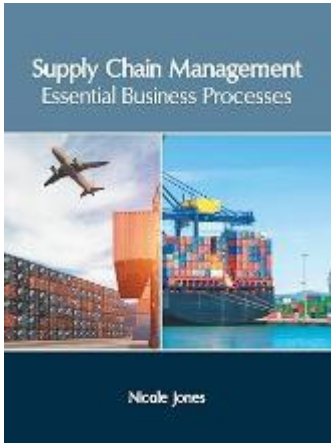
IIT Hospital

17		Talley and O'Connor's examination medicine: a guide to physician training by Nicholas J. Talley and Simon O' Connor, 10th ed. Australia: Elsevier, 2025. xxiii, 646 p. Includes index (p. 625-646)
		ISBN: 9780729544986
		Subject Terms: Cardiovascular; Respiratory; Gastrointestinal; Endocrine; Rheumatological
		616-07 TAL-E
		Barcode: 181631; IITH
		Click here for more details.

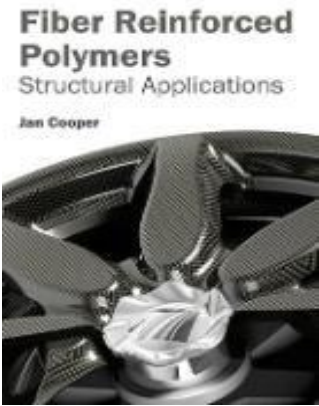
IITD Faculty and Staff Authored Books

18		Digital electronics and devices by D. C. Dube and Sharda Vashisth, New Delhi: Narosa Publishing House, 2019. v.p. Includes index
		ISBN: 9788184876413
		Subject Terms: Binary arithmetic; Boolean algebra; Gates; Karnaugh map; Logic circuits
		621.38:004.7 DUB-D
		Barcode: 181637; CL
		Click here for more details.

19		Introduction to waves in mechanical periodic structures and metamaterials by Arnab Banerjee and Kamal Krishna Bera, Boca Raton: CRC Press, 2026. xxiii, 268 p. Includes references and index (p. 251-268) ISBN: 9781032889955 Subject Terms: Electromagnetic; Monoatomic chain; Attenuation band; Dispersion relation; Gravitational decay 534:620.1 BAN-I Barcode: 181636; CL Click here for more details.
Management Studies		
20		Essentials of supply chain management edited by Bruce Robinson, New York: Willford Press, 2016. 255 p. ISBN: 9781682852149 Subject Terms: Logistics; Warehouse management; Analytics; Procurement; Supply chain operations 658.78 -ESS Barcode: 181645; DMS Click here for more details.
21		Logistics management: conception and functions by Hans-Christian Pfohl, Berlin: Springer, 2024. xiv, 393 p. ISBN: 9783662665664 Subject Terms: Development of logistics; Logistics function; logistics network strategies; Supply chain management; Logistics controlling 658.78 PFO-L Barcode: 181647; DMS Click here for more details.
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22		Project management: planning and scheduling techniques by Vijay Kumar Bansal, New York: Routledge, 2024. xv, 268 p. Includes bibliography and index (p. 265-268) ISBN: 9781032549378 Subject Terms: Project planning; Networks; Bar charts; Project control; Planning techniques 658.5:005.8 BAN-P Barcode: 181646; DMS Click here for more details.
23		Social entrepreneurship in practice: learn how to create and manage a successful social enterprise by Zeineb Djebali, London: Kogan Page, 2026. xxv, 346 p. Includes index (p. 341-346) ISBN: 9781398615113 Subject Terms: Industrial revolution; Innovation; Stakeholder theory; Personal drivers; Reflection 658.1:316 DJE-S Barcode: 181651; CL Click here for more details.
24		Supply chain management: essential business processes edited by Nicole Jones, New York: Clanrye International, 2019. 226 p. Include index (p. 225-226) ISBN: 9781632408112 Subject Terms: Business logistics; Logistics management; Procurement; Transportation planning; Management consulting 658.78 -SUP Barcode: 181644; DMS Click here for more details.

Textile and Fibre Engineering

25		Fiber reinforced polymers: structural applications edited by Jan Cooper, New York: NY Research Press, 2015. vii, 228 p. Includes references (p. 221-228) ISBN: 9781632381965 Subject Terms: Composite structures; Structural engineering; Natural fiber; Plastic; Nonlinear composite 678.01:624.012.4 -FIB Barcode: 181642; TT Click here for more details.
26		Textile dyeing edited by John Tegmeyer, Jersey City: Clanrye International, 2015. vii, 396 p. Includes references (p. 389-392) ISBN: 9781632404848 Subject Terms: Radiation; Synthetic textiles; Photochromic textiles; Fibres; Plasma 677.027 -TEX Barcode: 181643; CL Click here for more details.
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*The Collection includes the books added to the Textbook & Book Bank collection, Central Library; and the books procured through students' recommendations in the General Section, Central Library.

Theses Collections

Title	:	Control of switched reluctance motor drive for light electric vehicles with solar photovoltaic integration
Researcher	:	Arjun Kumar
Department	:	Department of Electrical Engineering, IITD
Year	:	2026
Supervisor	:	Singh, Bhim (Prof.) - EE (Guide)
Physical description	:	xxiv, 202 p.
Subject terms	:	Electric motors; MATLAB modeling; SRM control; LEV application; Hardware
Barcode	:	TH8601
Call No.	:	TH 629.33:621.311.243 ARJ-C
Title	:	Reliability and DC/RF stress induced degradation in InAlGa _N /Ga _N hemts for RF and terahertz applications
Researcher	:	Awasthi, Shivansh
Department	:	Department of Applied Research in Electronics, IITD
Year	:	2026
Supervisor	:	Gupta, Ankur (Prof.) - CARE (Guide); Hsu, Heng-Tung - National Yang Ming Chiao Tung University, Taiwan (Guide)
Physical description	:	xxiv, 181 p.
Subject terms	:	GaN material; Electron gas; Thermal; Model calibration; Machine learning
Barcode	:	TH8602
Call No.	:	TH 621.396 AWA-R
Title	:	Development of control systems with performance assessment of hybrid tracked vehicles
Researcher	:	Aska, Joshua Raj Kumar
Department	:	Department of Energy Science and Engineering, IITD
Year	:	2026
Supervisor	:	Subramanian, K. A. (Prof.) - ESE (Guide)
Physical description	:	xviii, 117 p.
Subject terms	:	Tracked vehicle; Electric power; Engine; Simulation models; Hybrid drive
Barcode	:	TH8603
Call No.	:	TH 629.3:004.896 ASK-D
Title	:	Investigation of direct laser ablation and scanning interference lithography techniques for efficient and high-precision fabrication of photonic sensors

Researcher	:	Devinder, Shital
Department	:	Center for Sensors Instrumentation and Cyber Physical System Engineering, IITD
Year	:	2026
Supervisor	:	Joseph, Joby (Prof.) - OPC (Guide)
Physical description	:	xxix, 164 p.
Subject terms	:	Sensor fabrication; Photopolymerization; Optical filters; Photonic device; Laser material
Barcode	:	TH8604
Call No.	:	TH 631.38:655.342 DEV-I
Title	:	Carbon nano-dots and molecularly imprinted polymers loaded with bioactive molecules for anti-cancer drug delivery
Researcher	:	Ganguly, Preetha
Department	:	Department of Biochemical Engineering and Biotechnology, IITD
Year	:	2026
Supervisor	:	Mishra, Prashant (Prof.) - BEB (Guide)
Physical description	:	xxv, 228 p.
Subject terms	:	Breast cancer; Carbon nanodotes; Kinetic modelling; Cell cycle; Biosensing
Barcode	:	TH8605
Call No.	:	TH 620.3:616-006 GAN-C
Title	:	Control and implementation of induction motor drive for light electric vehicle
Researcher	:	Kousalya V
Department	:	Department of Electrical Engineering, IITD
Year	:	2026
Supervisor	:	Singh, Bhim (Prof.) - EE (Guide)
Physical description	:	xxiv, 268 p.
Subject terms	:	Electric vehicle; Motor drive; Aerodynamic; Battery voltage; Solar PV
Barcode	:	TH8606
Call No.	:	TH 621.31:629.064.5 KOU-C
Title	:	Development and characterization of metal based composite coatings
Researcher	:	Moharana, Rakesh
Department	:	Department of Mechanical Engineering, IITD
Year	:	2026
Supervisor	:	Aravindan, S. (Prof.) - ME (Guide); Ghosh, Sudarsan (Prof.) - ME (Guide)
Physical description	:	xxii, 184 p.

Subject terms	:	Electrodeposition; Composite coating; Graphene nanoplatelets; Corrosion; Plasma
Barcode	:	TH8607
Call No.	:	TH 669.058 MOH-D
Title	:	Studies on mechanical surface-fibrillated agro-waste pineapple leaf fibre reinforced polypropylene composites
Researcher	:	Rahman, Habibur
Department	:	Department of Textile and Fibre Engineering, IITD
Year	:	2026
Supervisor	:	Alagirusamy, R. (Prof.) - TFE (Guide); Das, Apurba (Prof.) - TFE (Guide)
Physical description	:	xxviii, 162 p.
Subject terms	:	Natural fibers; Agro - waste; Polymer matrix; Optimum fibre; Electron microscopy
Barcode	:	TH8608
Call No.	:	TH 633.521:678 RAH-S
Title	:	Design and control of switched reluctance motor for EV drives
Researcher	:	Siddique, Farha
Department	:	Department of Electrical Engineering, IITD
Year	:	2026
Supervisor	:	Singh, Bhim (Prof.) - EE (Guide)
Physical description	:	xxi, 171 p.
Subject terms	:	Circuit modeling; Motor drive; Hardware configuration; Dynamic modelling; EV application
Barcode	:	TH8609
Call No.	:	TH 629.064.5 SID-D
Title	:	Assessing air quality impacts from Indian agriculture sector
Researcher	:	Keerthi, Thirunagari Baby
Department	:	Department of Civil and Environmental Engineering, IITD
Year	:	2026
Supervisor	:	Kota, Sri Harsha (Prof.) - CEE (Guide); Rajesh Kumar- National Centre for Atmospheric Research, USA (Guide)
Physical description	:	xxiv, 306 p.
Subject terms	:	Nitrogen fertilizer; Agricultural emissions; Atmospheric pollutants; Health analysis; Temperature
Barcode	:	TH8610
Call No.	:	TH 502.3:613(540) KEE-A

Title	:	Numerical investigation of three-dimensional transition in the wake of a heated square cylinder
Researcher	:	Ali, Mohd Perwez
Department	:	Department of Applied Mechanics, IITD
Year	:	2026
Supervisor	:	Sanghi, Sanjeev (Prof.) - AM (Guide); Hasan, Nadeem (Prof.) - ME (Guide)
Physical description	:	xxv, 153 p.
Subject terms	:	Vortex; Isothermal; Grid generation; Spatiotemporal; Spanwise
Barcode	:	TH8611
Call No.	:	TH 519.6:62-222 ALI-N
Title	:	Comprehensive evaluation of mental stress using nostril breathing and brain activity analysis
Researcher	:	Amit Kumar
Department	:	Centre for Biomedical Engineering, IITD
Year	:	2026
Supervisor	:	Joshi, Deepak (Assoc. Prof.) - CBME (Guide)
Physical description	:	xxix, 164 p.
Subject terms	:	Psychophysiological; Mental stress; Nostril; Breathing; Electroencephalography
Barcode	:	TH8612
Call No.	:	TH 612.2:159.9 AMI-C
Title	:	Development and validation of automated mechanical prosthetic heart valve dysfunction detection using cine fluoroscopy and IoT-enable phonocardiography
Researcher	:	Bhardwaj, Anandita
Department	:	Centre for Biomedical Engineering, IITD
Year	:	2026
Supervisor	:	Joshi, Deepak (Prof.) - CBME (Guide)
Physical description	:	xxxi, 227 p.
Subject terms	:	Cine fluoroscopy; Cardiac valves; Heart; Virtual machine; Dysfunction
Barcode	:	TH8613
Call No.	:	TH 616.12:004.9 BHA-D
Title	:	Site-selective dual-mode excitation non-linear spectroscopy and spatial photoluminescence mapping/imaging of nanophosphors for biophotonic applications
Researcher	:	Deo, Ib Singh
Department	:	Department of Physics, IITD

Year	:	2026
Supervisor	:	Prakash, G. Vijaya (Prof.) - PH (Guide)
Physical description	:	xxv, 206 p.
Subject terms	:	Spectroscopy; Thermal decomposition; Nanophosphor; Biophotonics; Paramagnetic
Barcode	:	TH8614
Call No.	:	TH 535.37 DEO-S
Title	:	Relationship between dynamic macro environment and net FDI inflows: a study from emerging economies
Researcher	:	Mahna, Tusharika
Department	:	Department of Management Studies, IITD
Year	:	2026
Supervisor	:	Yadav, Surendra Singh (Prof.) - MS (Guide); Jain, Sonali (Assoc. Prof.) - MS (Guide)
Physical description	:	xviii, 249 p.
Subject terms	:	Inflation; Segregation; Fiscal policy; Economic; Robustness
Barcode	:	TH8615
Call No.	:	TH 330.101.541 MAH-R

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