

**L. D. College of Engineering**  
**List of Published Books**

Sr. No.	Department	Faculty Name	Book/Book Chapter	Title of the Book	Name of the Publisher	Month of Publication	Year of Publication	Link of the Book	ISBN No
1	Applied science and humanities	P.S.Raval	Book	Engineering Physics	Mahajan Publishing House	-	2014	-	978-93-84955-31-1
2	Applied science and humanities	H.P.Raval	Book	Engineering Physics	Mahajan Publishing House	-	2014	-	978-93-84955-31-1
3	Applied science and humanities	Dr. Atul Patel	Book	Advance Engineering Mathematics	Mahajan Publication	August	2016	N/A	978-93-84955-75-5
4	Applied science and humanities	Dr. Atul Patel	Book	Calculus	Mahajan Publication	August	2016	N/A	978-93-84955-77-9
5	EC	Prof. Sanjay Prajapati	Book	Organic Thin-Film Transistor Applications Materials to Circuits	CRC Press	September	2016	<a href="https://www.routledge.com/Organic-Thin-Film-Transistor-Applications-Materials-to-Circuits/Kaushik-Kumar-Prajapati-Mittal/p/book/9781315369600#">https://www.routledge.com/Organic-Thin-Film-Transistor-Applications-Materials-to-Circuits/Kaushik-Kumar-Prajapati-Mittal/p/book/9781315369600#</a>	978-149-87-3655-8
6	EC	Prof. (Dr.) Sanjay Prajapati	Book	Organic Thin-Film Transistor Applications Materials to Circuits	CRC Press	September	2016	<a href="https://www.routledge.com/Organic-Thin-Film-Transistor-Applications-Materials-to-Circuits/Kaushik-Kumar-Prajapati-Mittal/p/book/9781315369600#">https://www.routledge.com/Organic-Thin-Film-Transistor-Applications-Materials-to-Circuits/Kaushik-Kumar-Prajapati-Mittal/p/book/9781315369600#</a>	978-149-87-3655-8
7	IC	Dr. A. K. Shah	Book	Control System Engineering	Mahajan Publishing House	August	2016	NA	978-93-84955-67-0
8	IC	Dr. A. K. Shah	Book	Control Engineering	Mahajan Publishing House	August	2016	NA	978-93-84955-69-4.
9	Applied science and humanities	Dr. Digeshkumar B. Shah	Book Chapter	Handbook of Research on Promoting Business Process Improvement Through Inventory Control Techniques	IGI Global		2017	<a href="https://www.igi-global.com/chapter/optimal-credit-period-and-lot-size-for-deteriorating-items-with-fixed-life-time-and-trade-credits/198683">https://www.igi-global.com/chapter/optimal-credit-period-and-lot-size-for-deteriorating-items-with-fixed-life-time-and-trade-credits/198683</a>	978-15-22532-32-3
10	Applied science and humanities	Dr. Atul Patel	Book	Calculus(2nd edition)	Mahajan Publication	August	2017	N/A	978-93-87096-00-4
11	Applied science and humanities	Dr. Atul Patel	Book	Advance Engineering Mathematics (2nd edition)	Mahajan Publication	August	2017	N/A	978-93-84955-91-5
12	EC	Prof. Sanjay Prajapati	Book	Next generation spin torque memories	SpringerBriefs in Applied Sciences and Technology	April	2017	<a href="https://link.springer.com/book/10.1007%2F978-981-10-2720-8#toc">https://link.springer.com/book/10.1007%2F978-981-10-2720-8#toc</a>	978-981-10-2720-8
13	EC	Prof. (Dr.) Sanjay Prajapati	Book	Next generation spin torque memories	SpringerBriefs in Applied Sciences and Technology	April	2017	<a href="https://link.springer.com/book/10.1007%2F978-981-10-2720-8#toc">https://link.springer.com/book/10.1007%2F978-981-10-2720-8#toc</a>	978-981-10-2720-8
14	Electrical	V.R. Patel, H.N. Raval	Book	Elements of Electrical Engineering	Books India Publications	Sept	2017	N/A	978-93-80867-66-3
15	Electrical	J.N. Swamy N.V. Sinha	Book	Elements of Electrical Engineering, 9th Edition	Mahajan Publications	Sept	2017	N/A	978-93-87096-36-3
16	Applied science and humanities	Dr. Atul Patel	Book	Mathematics 01	Mahajan Publication	August	2018	N/A	978-93-87096-12-7
17	Chemical	Anjali Bishnoi, Sunil Kumar, Sandeep Rai, Ankit Mishra	Book Chapter	Applications of Ionic Liquids in Polymeric Composites, in book titled "Advanced Polymeric Materials for sustainability and Innovations	Apple Academic Press		2018	<a href="https://www.researchgate.net/publication/334335431_Applications_of_Ionic_Liquids_in_Polymeric_Composites">https://www.researchgate.net/publication/334335431_Applications_of_Ionic_Liquids_in_Polymeric_Composites</a>	978-17-71886-33-8
18	Electrical	J.N. Swamy N.V. Sinha	Book	Basic of Electrical Engineering	Mahajan Publications	Sept	2018	N/A	978-93-87096-36-3
19	Applied science and humanities	Dr. Atul Patel	Book	Complex Variable Numerical methods	Mahajan Publication	January	2019	N/A	978-93-87096-19-6
20	Applied science and humanities	Dr. Atul Patel	Book	Mathematics 02	Mahajan Publication	January	2019	N/A	978-93-87096-22-6
21	Applied science and humanities	Dr. Atul Patel	Book	Mathematics 01(2nd edition)	Mahajan Publication	August	2019	N/A	978-93-87096-30-1
22	Chemical	Anjali Bishnoi, Sandeep Rai, Nir	Book Chapter	Chitosan: Antimicrobial and Edible coatings in book titled Encyclopedia of Polymer Applications	Taylor & Francis	January	2019	<a href="https://doi.org/10.4324/9781351019422">https://doi.org/10.4324/9781351019422</a>	978-13-51019-42-2
23	Civil Engineering	Dr.R.B.Khasiya	Book	Surveying	Mahajan Publication	December	2019		978-93-87096-39-4
24	Civil Engineering	Dr.R.B.Khasiya	Book	Building and Town Planning	Mahajan Publication	July	2019		978-93-87096-24-0
25	Civil Engineering	Prof.S.C.Rathod	Book	Building Construction Technology	Mahajan Publication	June	2019		978-93-87096-26-4
26	EC	Prof.(Dr)Bhavin Sedani	Book	Speech Enhancement Techniques for Digital Hearing Aids	Springer Nature	June/July	2019	<a href="https://www.springer.com/gp/book/9783319968209">https://www.springer.com/gp/book/9783319968209</a>	978-33-19968-21-6
27	Chemical	Anjali Bishnoi, T. S. Rajaraman,	Book Chapter	Smart nanosensors for textiles: an introduction, in the book Nanosensors and Nanodevices For Smart Multifunctional Textiles	Elsevier	September	2020	<a href="https://doi.org/10.1016/B978-0-12-820777-2.00002-9">https://doi.org/10.1016/B978-0-12-820777-2.00002-9</a>	978-01-28207-77-2
28	Chemical	Paresh H Rana	Book Chapter	Catalytic Transformation of Ethanol to Industrially Relevant Fine Chemicals	Springer		2020	<a href="https://doi.org/10.1007/978-981-15-1804-1_3">doi.org/10.1007/978-981-15-1804-1_3</a>	
29	EC	Prof.(Dr)Bhavin Sedani	Book	WiMAX Modeling: Techniques and Applications	Springer Nature	June/July	2020	<a href="https://www.springer.com/gp/book/9783030224592">https://www.springer.com/gp/book/9783030224592</a>	978-30-30224-60-8
30	IC	Dr. M.T. Thakker	Book Chapter	Conference & Book chapter: Climate Control of Greenhouse System Using Neural Predictive Controller	Renewable Energy and Climate Change, Springer Nature, Singapore	January	2020	DOI: 10.1007/978-981-32-9578-0_19	978-98-13295-78-0
31	IC	Dr. A. K. Shah	Book Chapter	Conference & Book chapter : PLC Timers Module Implemented on FPGA Platform	International Conference on Communication, Computing and Electronics Systems, Electrical Engineering, vol 637. March 2020 Springer, Singapore.	March	2020	DOI: 10.1007/978-981-15-2612-1_48	978-98-11526-12-1
32	Mechanical	Mrunalkumar Chaudhari	Book	Engineering Metallurgy	TechKnowledge Publications	January	2020		978-93-89684-81-0
33	Mechanical	Mrunalkumar Chaudhari	Book	Engineering Materials and Metallurgy	TechKnowledge Publications	September	2020		978-93-89889-82-6
34	Mechanical	Mrunalkumar Chaudhari	Book	Materials and Metallurgy	TechKnowledge Publications	September	2020		978-93-89889-92-5
35	Mechanical	D. K. Patel, B. K. Patel, M. M. M	Book	Operations Research	Atul Prakashan	September	2020		978-93-85173-07-3

36	Textile Technology	D. V. Bihola	Book	Value Added Textile Yarns-Manufacturing Technology & Its Uses	Om SaiTech Books, Delhi	January	2020	<a href="https://www.amazon.in/Value-Added-Textile-Yarns-Manufacturing-ebook/dp/B084KXS1ZY">https://www.amazon.in/Value-Added-Textile-Yarns-Manufacturing-ebook/dp/B084KXS1ZY</a>	978-93-89004-13-7
37	Chemical	T.S. Rajaraman, Vimal Gandhi, S	Book Chapter	Advanced Oxidation Processes for Wastewater Remediation: Fundamental Concepts to Recent Advances	Material Reserach Forum	February	2021	<a href="https://doi.org/10.21741/9781644901144-2">https://doi.org/10.21741/9781644901144-2</a>	978-16-44901-14-4
38	Chemical	Dr Satish Shah	Book	Stoichiometry 6th edition	Tata-McGraw Hill		2021		978-93-54600-23-4
39	Civil Engineering	Dr.R.B.Khasiya	Book	Hydrology and water resources Engineering	Mahajan Publication	February	2021		978-93-87096-51-6
40	Civil Engineering	Dr.R.B.Khasiya	Book	Basics of Civil Engineering	Mahajan Publication	January	2021		978-93-87096-49-9
41	EC	Prof.(Dr)Bhavin Sedani	Book	Wireless Communication	Tech-Neo	June/July	2021	<a href="https://bookcity.in/bookdetails.aspx?bookId=2601">https://bookcity.in/bookdetails.aspx?bookId=2601</a>	978-93-89835-10-6
42	EC	Prof.(Dr)Bhavin Sedani	Book	Wireless Communication	Tech-Neo	June/July	2021	<a href="https://bookcity.in/bookdetails.aspx?bookId=2600">https://bookcity.in/bookdetails.aspx?bookId=2600</a>	978-93-89366-47-1
43	EC	Dr.Nirali Kotak	Book	Analog and Digital Communication Systems	Tech-Neo	June/July	2021		
44	EC	Prof.(Dr)Bhavin Sedani	Book Chapter	Contemporary Advances in Science and Technology	Nation Press	December	2021	Contemporary Advances in Science & Technology: Buy Contemporary Advances in Science & Technology by Raman Singh at Low Price in India   Flipkart.com	979-88-85210-23-2
45	EC	Dr. Nirali A. Kotak	Book Chapter	Contemporary Advances in Science and Technology	Nation Press	January	2022	Contemporary Advances in Science & Technology: Buy Contemporary Advances in Science & Technology by Raman Singh at Low Price in India   Flipkart.com	979-88-85210-23-2
46	IC	Dr. A. K. Shah	Book Chapter	Machine Learning and the Internet of Medical Things in Healthcare	Publisher: academic press	March	2021	DOI: 10.1016/B978-0-12-821229-5.00002-1	978-01-28212-29-5
47	IC	V. V. Patel	Book Chapter	Machine Learning and the Internet of Medical Things in Healthcare	Publisher: academic press	March	2021	DOI: 10.1016/B978-0-12-821229-5.00002-1	978-01-28212-29-5
48	Civil Engineering	Dr.P.J.Gundaliya	Book	Urban Transportation Systems	Mahajan Publication				978-93-83058-21-2
49	Electrical Engineering	Dr. Yogesh M. Makwana	Book Chapter	AI-Based Scheme for the Protection of Power Systems Networks Due to Incorporation of Distributed Generations	CRC Press	October	2021	<a href="https://www.taylorfrancis.com/chapters/edit/10.1201/9780367552374-2/ai-based-scheme-protection-power-systems-networks-due-incorporation-distributed-generations-bhaves-kumar-bhalja-yogesh-makwana">https://www.taylorfrancis.com/chapters/edit/10.1201/9780367552374-2/ai-based-scheme-protection-power-systems-networks-due-incorporation-distributed-generations-bhaves-kumar-bhalja-yogesh-makwana</a>	9780367552374
50	Chemical	Dr. P. H. Rana	Book Chapter	Hydrogen production through Gasification Technologies	Apple Academic Press, USA	June	2022	<a href="https://www.taylorfrancis.com/chapters/edit/10.1201/9781003277156-2/production-hydrogen-gasification-technology-paresh-rana">https://www.taylorfrancis.com/chapters/edit/10.1201/9781003277156-2/production-hydrogen-gasification-technology-paresh-rana</a>	978-10-03277-15-6
51	Chemical	Dr. S. M. Dutta	Book Chapter	Fundamentals of membranes for wastewater treatment: Challenges and opportunities for resource recovery	Elsevier Publication	August	2022	<a href="https://doi.org/10.1016/B978-0-323-90627-2.00011-3">https://doi.org/10.1016/B978-0-323-90627-2.00011-3</a>	978-03-23906-27-2
52	Chemical	Anjali Bishnoi	Book Chapter	Advanced Oxidation Processes for Wastewater Treatment: Types and Mechanism	Taylor & Francis	March	2022	<a href="https://doi.org/10.1201/9781003165958">https://doi.org/10.1201/9781003165958</a>	978-10-03165-95-8
53	E.C.	Dr. C.H. Vithalani	Book	Moving Objects Detection Using Machine Learning	Springer	June	2022	<a href="https://doi.org/10.1007/978-3-031-23092-9_3">Moving Objects Detection Using Machine Learning   SpringerLink</a>	978-3-030-90910-9
54	EC	Dr. C.H. Vithalani	Book	Microcontroller and Applications	AICTE	January	2023	<a href="https://ekumbh.aicte-india.org/allbook.php#">https://ekumbh.aicte-india.org/allbook.php#</a>	978-81-960576-0-2
55	Chemical Engineering	Dr Anjali Bishnoi	Book Chapter	Membrane and Membrane-Based Processes for Wastewater Treatment	Taylor & Francis	March	2023	<a href="https://doi.org/10.1201/9781003165019">https://doi.org/10.1201/9781003165019</a>	9781003165019
56	Chemical Engineering	Dr Anjali Bishnoi	Book Chapter	Emerging Innovative Technologies for Wastewater Treatment	Taylor & Francis	March	2023	<a href="https://doi.org/10.1201/9781003164982">https://doi.org/10.1201/9781003164982</a>	9781003165019
57	Chemical Engineering	Dr. Ashish Baldania	Book Chapter	Conversion of Biomass to Activated Carbon: A Synthesis Approach	B P International	November	2023		978-81-967488-2-1
58	Chemical Engineering	Dr. Ashish Baldania	Book	Renewable Energy	Global Aasan Research	September	2023		978-81-19313-74-7
59	EC	Prof. Ketan K. Laad	Book Chapter	Continuous Blood Glucose Monitoring using Explainable AI Techniques	CRC press, Taylor & francis group	July	2023	<a href="https://doi.org/10.1201/9781003333425">https://doi.org/10.1201/9781003333425</a>	9781003333425
60	Information and Technology	Dr. Hiteishi Diwanji	Book Chapter	Social Media Addiction: Analysis on Impact of Self-esteem and Recommending Methods to Reduce Addiction	Springer, Cham	January	2023	<a href="https://link.springer.com/chapter/10.1007/978-3-031-23092-9_3">https://link.springer.com/chapter/10.1007/978-3-031-23092-9_3</a>	978-3-031-23091-2
61	Chemical Engineering	Dr. Ashish Baldania	Book	Waste to Wealth	Selfpage Developers Pvt. Ltd.	February	2024		978-93-5747-810-6
62	Chemical Engineering	Dr. Ashish Baldania	Book	Technological Advancement in Engineering Management, Arts and Science	TECH PRESS	February	2024		978-93-91697-25-9
63	Chemical Engineering	Dr. Ashish Baldania	Book	Futuristic Trends in Renewable & Sustainable Energy	Selfpage Developers Pvt. Ltd	February	2024		978-93-6252-602-1
64	Chemical Engineering	Dr. Ashish Baldania	Book	Liberation of Creativity: Navigating New Frontiers in Multidisciplinary Research	Eudoxia Research University	July	2024		979-8334657755
65	Information and Technology	Dr. Hiteishi Diwanji	Book	Operating Systems	AICTE	November	2024	<a href="https://ekumbh.aicte-india.org">https://ekumbh.aicte-india.org</a>	NA
66	Science and Humanities	Dr. Dipakkumar A Bhatt	Book	ESP and the Pedagogical Needs of PG English Students	Lam Lambert Publishing	August	2025		9786207810741
67	Chemical Engineering	Dr. Ashish Baldania	Book	Zeolite Chemistry & Engineering: Catalysts and Adsorbents Guide	Research Beacon Publication	February	2025		978-81-984223-3-0
68	Information and Technology	Dr. Hiteishi Diwanji,	Book Chapter	Detecting Emotions of MEMEs Using a Hybrid Approach of Deep Learning	Springer, Cham	Apr	2025	<a href="https://link.springer.com/chapter/10.1007/978-3-031-86290-8_2">https://link.springer.com/chapter/10.1007/978-3-031-86290-8_2</a>	978-3-031-86289-2
69	Electrical Engineering	H N Raval	Book Chapter	Basic Electrical Engineering	Technical Publications	August	2025		978935859624