

**Indian Institute of Technology Delhi**  
**Central Library**

January 13, 2025

**Subject: Disposal of 81 obsolete/old weeded-out theses from the Central Library**

After following the institute procedures, the Central Library proposes to offer the remaining 81 Theses from the Theses section to the institute faculty/students/staff as a step towards the disposal of theses. A complete list of theses is attached below and is also available on the Library website at:

<https://library.iitd.ac.in/>

These theses have been kept on the Ground Floor, Theses Section of the Central Library. Interested institute faculty/students/staff may visit the Library to buy these @ Rs. 10/- (Rupee ten only) per theses from January 17 to 24, 2025 (list attached below):

**(Timings: 10:00 am to 1 pm & 2.30 pm to 5 pm)**

**(January 17 to 24, 2025)**

The theses will be disposed-off on first-cum-first serve basis on the token amount of Rs. 10/- per theses.

You may please contact the Theses Section for any query on any of these nos.: 1496 or 6654

**Vanita Khanchandani**  
Assistant Librarian (SG) &  
Incharge  
[thesis@library.iitd.ac.in](mailto:thesis@library.iitd.ac.in)

To:

All faculty, students and staff through Circular mail.

**LIST OF THESES/DISSERTATIONS/LECTURE NOTES/PROJECT REPORTS**  
**PROPOSED FOR WEEDING OUT**

S.No	Accn. No.	Title	Researcher/ Author	Programme (Ph.D./Master)	Year	Department	Total ₹
1	120269	Analysis and design of liquid absorbent/desiccant cooling/dehumidification systems for low grade thermal energy applications	Peng, Chung Shiang Patrick	PhD	1980	University of Texas	994.896
2	G11960	Computed Hydrographs of catchments	Subhash, Chander	PhD	1965	University of Manchester	0
3	G19867	Ph.D. theses submitted at Indian Institute of Technology, Madras during its first to twenty fifth convocations (1964-1988)	IIT Madras	PhD	1989	Central Library, IIT Madras	0
4	R-2058	Heat transfer to refrigerants boiling inside plain tubes and tubes with internal turbulators	Lavin, John Gerard	Sc.D.	1963	University of Michigan	39.9
5	R2031	Introduction of hydrologic risk concepts to optimization of water resource system design	Bathke, William	PhD	1967	Texas A&M University	24
6	R2034	Properties of roll waves	Miya, Masayoshi	PhD	1970	University of Illinois	37.75
7	TH1004	Data base concurrency control and recovery in local broadcast networks	Wilkinson, William Kevin	PhD	1981	University of Wisconsin Madison	407.04
8	TH1146	Reftifying properties photovoltaic effects and electrochemical studies of phthalocynine thin films.	Fan, Fu-Ren Frank	PhD	1978	University of Illinois	322.5
9	TH1170	Heat transmission to boiling pure and mixed liquids	Perry, Charles William	PhD	1940	Johns Hopkins University	53.2
10	TH1199	Effects of web openings in reinforced concrete beams subjected to cyclic loads	Lopes, Rogerio Coelho	PhD	1983	University of south Carolina	451.47
11	TH1200	Time dependent deflections in reinforced concrete beams cyclic loading	Carreira, Domingo Jose	PhD	1983	Illinios Institute of Technology	451.47
12	TH1272	Development and application of decision rules for buffering against demand uncertainty in a time phased recorder point system	Evan Callarwan, Thomas	PhD	1979	Purdue University	46.44
13	TH1273	Production planning problems for flexible manufacturing systems	Stecke, Kathryn Elizabeth	PhD	1981	Purdue University	369.888

14	TH1274	Integrated production planning model for multiproduct parallel processor environments	Oliff, Michael David	PhD	1982	Clemson University	369.888
15	TH131	Generalized topological formulas for linear network functions	A. Prabhakar	PhD	1967	IISc	0
16	TH1389	Development of contract strategies	Perry, John G	PhD	1983	University of Manchester	721.112
17	TH1404	Risk allocation in construction contracts	Porter, C.E	M.Sc.	1981	University of Manchester	794.136
18	TH1417	Planning and control of multi-projects	Deshpande, Avinash D	M.Tech	1983	IIT, Bombay	342
19	TH1430	Models for Debris Flow	Johnson, A.M	PhD	1965	Pennsylvania State University	273.216
20	TH1499	Diffusion of information among the working poor	Chatman, Elfreda Annmary	PhD	1976	University of California	574.892
21	TH1500	Process for design of information systems for the academic administrator	Sekula, Francis Joseph	PhD	1984	University of Pittsburgh	637.504
22	TH1501	Towards designing a computerized information system for management and line workers in social work	Monnickendan, M.R.	PhD	1983	University of Pittsburgh	574.892
23	TH1630	Course on project implementation, monitoring and evaluation	P. Natarajan	Course Report	1989	Dept of Civil Engineering, IITD	0
24	TH1698	Computer integrated machining parameter selection in a job shop using expert systems and algorithms	Gopalkrishnan, B.	PhD	1988	Virginia Polytechnic Institute and State University	811.314
25	TH1845	Knowledge based process planning for machining parts	Chang, Kang J.	PhD	1991	University of California	1691.8
26	TH1882	Open cycle solid desiccant cooling component models and simulations	Jurinak, Jeff Jerome	PhD	1982	University of Wisconsin-Madison	590.592
27	TH1905	Adsorptive drying of organic liquids	Joshi, Sudhir Ramtirth	PhD	1987	University of Texas	866.525
28	TH1906	Thermal regeneration of fixed multicomponent adsorption beds	Huang, Chen-Chia	PhD	1987	University of Texas	866.525
29	TH1944	Studies in the optimal synthesis of chemical processing and energy systems	Papoulas, Soteris A	PhD	1982	Carnegie Mellon University	2011.35

30	TH1993	Design mechanical components with features: representing the form and intent of in-progress design for automated modification and evaluation	Nielson, Eric Hilton	PhD	1991	University of Massachusetts	2106.225
31	TH1994	Fault diagnosis and prediction in reciprocating air compressors by quatifying operating parameters	Feng, Ming-Fa	PhD	1992	Virginia Polytechnic Institute and State University	2093.575
32	TH2172	Large plastics deformations by sequential limit analysis	Chung- Li, Hwan	PhD	1992	University of Michigan	2089.392
33	TH2201	Integrated computer aided manufacturing system for sculptured surfaces	Kim, Kwang-il	PhD	1993	University of Illinois	2096.004
34	TH2203	Computer aided process planning based on principles and heuristics	Korde, Uday P	PhD	1993	University of Minnesota	2096.004
35	TH2204	Automatic tool path generation for numerically controlled machining of sculptured surfaces	Li, Xiaoxia	PhD	1993	University of new Hampshire	2096.004
36	TH322	Experimental reactor studies of the catalytic reduction of sulfur dioxide	Aderhold, James Lewis	PhD	1975	University of Massachusetts	180.55
37	TH378	Digital computer simulation and analysis of a tropospheric Scattering channel model utilizing realistic meteorological structure and parameters	Pittle, Ronald David	PhD	1969	University of Wisconsin	174.8
38	TH384	Anisotropic turbulence and stochastic arrays of three dimensional scatters	Duvoisin, Paul Frank	PhD	1969	University of Wisconsin	174.8
39	TH426	Experimental investigation of pipeline stability in very soft clay	Lim, Sung Joo	PhD	1974	University of Houston	180.55
40	TH429	Inelastic cyclic behavior of reinforced concrete columns	Atalay, Mchmat Bilgin	PhD	1976	University of California	184
41	TH432	Coupled lateral torsional response of building to ground shaking	Kan, Christopher Lap-Hin	PhD	1976	University of California	184
42	TH433	Earthquake analysis of arch dam foundation system	Mojtahedi, Soheil	PhD	1976	University of California	184
43	TH434	Non- linear transient dynamic analysis of yielding structures	Ozdemir, Haluk	PhD	1976	University of California	184
44	TH435	Nonlinear analysis of pile supported plane frames	Dhanasobhon, Chitsanti	PhD	1976	Oklahoma State University	184

45	TH436	Method of analysis for nonlinear dynamic response of prestressed concrete beams	Lakshmi Kanthan, Racachandran	PhD	1976	Oklahoma State University	184
46	TH437	Behaviour of inelastic multistorey structures subjected to 2-D earthquakes	Oster, Kenneth Byron	PhD	1976	University of Missouri	184
47	TH439	Response of partially filled elastic cylindrical storage tank subjected arbitrary lateral base excitation	Mouzakis, Timoleon	PhD	1976	University of Massachusetts	184
48	TH440	Advanced integrated circuit technology for micropower integrated circuits	Rogers, Thurman John	PhD	1975	Stanford University	180.55
49	TH441	Characterization of nylon 66-poly (Ethylene glycol) blend fibers	Bhat, Gulgunji Ramachandra	PhD	1974	North Carolina State University	180.55
50	TH466	On the design of one dimensional & two dimensional fir digital filters	McClellan, James Harold	PhD	1973	Rice University	246.4
51	TH469	Measurement of thermal conductivity of beef	Miller, Herbert and Evanston , Illinois	M.Sc.	1962	Northwestern University	0
52	TH471	Charge motion in the variable threshold memory transistor	Crain, David Wilson	PhD	1976	University of Southern California	168
53	TH472	Elastohydrodynamic lubrication: transient finite element analysis	Chia Peng Day	M.Sc.	1974	Cornell University	199.39
54	TH476	Monolithic acoustic surface wave amplifier	Coldren, L.A.	PhD	1972	Stanford University	180.72
55	TH477	Study of lateral nonuniformities and interface states in MIS structures	Chang, Ching-Chu	PhD	1976	Princeton University	192
56	TH478	Acoustic wave semiconductor convolver applied to electrical and optical signal processing	Gautier, H. P. R.	PhD	1975	Stanford University	0
57	TH479	Investigations on Zinc Telluride	Baker, Wilford Dean	PhD	1971	Carnegie Mellon University	181.44
58	TH481	Non-linear viscoelasticity of polyimide fibers	Ko Frank Koon-fun	PhD	1977	Georgia Institute of Technology	206.67
59	TH482	Properties and microstructure of polycarbonate-polysulphone blends	Myers, Floyd Spencer	PhD	1971	North-Western University	188.244
60	TH483	Compatibility in polymer blends	Brodsky, Philip Hyman	PhD	1969	Cornell University	189.24
61	TH484	High field transport in silicon dioxide films on silicon induced by corona charging	Weinbegz, Zeev A.	PhD	1974	Princeton University	0

62	TH485	Improved analysis of the transient response of an MOS-C	Takino, Takanori	PhD	1976	University of California	0
63	TH486	Tractor cab suspension performance modeling	Roley, Daniel Gay	PhD	1975	University of California	0
64	TH487	Study of the effects of low energy electron irradiation on MOS capacitors	Chin-Tay Shih	PhD	1975	Princeton University	0
65	TH488	Complementary MOS transistors in micropower circuits	Richard Marker Swanson	PhD	1974	Stanford University	0
66	TH490	Analysis of the transient natural convection from horizontal circular cylinder	Hsu, John Cheu-Wang	PhD	1977	North Carolina State University	0
67	TH491	Generalized approach to thermodynamic cycles analysis	Henry, Charles Daniel	PhD	1977	University of Arizona	0
68	TH492	Natural convection heat-transfer from a horizontal circular cylinder to a surrounding cylindrical enclosure	Kuehn, Thomas Howard	PhD	1976	University of Minnesota	0
69	TH493	Instability of natural convection flow around horizontal cylinders	Fathalah, Kadry Ahmed Fathy	PhD	1976	Georgia Institute of Technology	0
70	TH495	Characterisation of nylon 66-poly(Ethylene glycol) blend fibers	Bhat, Gulgunji Ramachandra	PhD	1974	North Carolina State University	0
71	TH496	Analysis of plate type prismatic structures	Abu Ghazaleh, Bassam Naif	PhD	1966	University of California	0
72	TH497	Mechanized information retrieval from abstracts literature in chemical engineering using IBM 1620	Murty, D.S.R.	Project Report	1969	INSDOC	0
73	TH498	Study of secondary time effects and consolidation of clays	Kaul, Brij Krishen	PhD	1963	University of Punjab	0
74	TH690	Transient performance of cross bonded cable systems	Michael Dang, Hgoc Danh	PHD	1972	Victoria University of Manchester , Institute of Science and Technology	830.8125
75	TH705	Theoretical and experimental investigation of sorption in bidisperse porous particles	Vaidyanathan, A.S.	PhD	1971	Clarkson College of Technology	210.84
76	TH706	Elimination of dilute sulfur dioxide by macroreticular ion exchange resins using a cyclic operation in a packed bed	Tsobanopoulos, Vasilios	PhD	1973	Carnegie Mellon University	260.4
77	TH835	Fracture morphology of nylon 6 fibres	Park, Joon Bu	PhD	1972	University of Utah	0

78	TH836	Molecular mechanics of polymers by dynamic infrared techniques	Wool, Richard Patrick	PhD	1974	University of Utah	0
79	TH86	Manufacture of Hexamine from methanol	Kalia, K.C.	B.Tech	1970	Department of Chemical Engineering	0
80	TH94	Stress-strain characteristics of Badarpur sands	Chawla, Charanjit	M.Tech.	1971	Department of Soil Mechanics and Foundation Engineering	0
81	TH96	Design of type-112 photographic objective and detailed study of its properties	Sharma, D.K.	M.Sc.	1969	University Of Tasmania	0
						<b>Total</b>	<b>32499.46</b>