

Indian Institute of Technology Delhi
Central Library

December 6, 2024

Subject: Disposal of 132 obsolete/old weeded-out theses from the Central Library

After following the institute procedures, the Central Library proposes to offer the remaining 132 Theses from the Theses section to the institute faculty/students/staff as a step towards the final 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 December 9 to 20, 2024 (list attached below):

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

(December 9 to 20, 2024)

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

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	Cost ₹
1	112971	Multispectral remote-sensing techniques applied salinity and drainage problems in the Columbia basin	Prentice, Virginia Lee	PhD	1972	University of Michigan	796.88
2	115659	Microcomputer-based information storage and retrieval systems	Hussein Mustafa, Suleiman	PhD	1985	University of Pittsburgh	818.8
3	120268	Branch and bound algorithm for a general class of multiple resource-constrained scheduling problems	Stinson, Joel p.	PhD	1976	University of North Carolina	994.896
4	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
5	G11960	Computed Hydrographs of catchments	Subhash, Chander	PhD	1965	University of Manchester	0
6	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
7	G20095	Optical investment planning for electric power generation	Francis, Noonan	PhD	1973	University of Massachusetts	47.5
8	R-2040	Attenuation in microwave acoustic transducers and resonances	Wauk., M.T.	PhD	1969	Standford University	237.25
9	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
10	R-2115	Investigation of the effects of swirl on the flow regimes and performance of annular diffusers with equal inner and outer cone angle	Srinath, T	Master	1968	Univ. of Waterloo	128.35
11	R2029	Planning of hydrothermal electric power systems	Petersen, Edward Richard	PhD	1966	Stanford University	24
12	R2030	Optimum operation of a multi-reservoir water supply system	Amir, Reuven	PhD	1967	Standford University	24
13	R2031	Introduction of hydrologic risk concepts to optimization of water resource system design	Bathke, William	PhD	1967	Texas A&M University	24

14	R2032	Mathematical Programming model for long-range river basin planning with emphasis on the Colorado River basin	Heaney, James Patrick	PhD	1968	Northwestern University	37.75
15	R2034	Properties of roll waves	Miya, Masayoshi	PhD	1970	University of Illinois	37.75
16	R2041	Acoustic generation with reactively deposited piezoelectric thin films	Robert Michael Malbon	PhD	1968	Stanford University	41.975
17	TH1001	Goal programming model for improved transportation problem solution	Schniederjans, Marc James	PhD	1978	Saint Louis University	364.64
18	TH1002	Evaluation for existing travel demand estimation procedure for long-term strategic urban transportation planning	Rathbone, Daniel Benjamin	PhD	1979	Texas A&M University	381.6
19	TH1004	Database concurrency control and recovery in local broadcast networks	Wilkinson, William Kevin	PhD	1981	University of Wisconsin Madison	407.04
20	TH1050	Theoretical study of the fundamental dynamic characteristics of the interaction between Urban land use development and transportation development	Vaziri, Manouchehr	PhD	1980	University of California	397.11
21	TH1051	Balanced Urban ground passenger transportation with respect to energy, demand and income: an approach for bus transit supply system planning	Chang, Myung - Soon	PhD	1980	North California State University	397.11
22	TH1084	Inventory control for a small-scale unit	Sihag, Asha Ram	M.Tech	1984	Dept of Mechanical Engineering, IITD	0
23	TH1091	Lot sizing techniques	Yilmaz, Cenigiz	PhD	1981	University of Iowa	360
24	TH1119	Master scheduling and component lot sizing decisions in resource-constrained material requirements planning environments	Bahl, Harish Chander	PhD	1980	Ohio State University	423.15
25	TH1146	Rectifying properties photovoltaic effects and electrochemical studies of phthalocyanine thin films.	Fan, Fu-Ren Frank	PhD	1978	University of Illinois	322.5
26	TH1147	Copper phthalocyanine photoelectrochemistry: Optimization of electron transfer kinetics through an investigation of solid state	Ayers, William Mclean	PhD	1980	University of Pennsylvania	348.75

		and electrochemical properties					
27	TH1148	Virus removal by chemical coagulation	Chaudhuri, Malay	PhD	1963	University of Illinois	178.125
28	TH1170	Heat transmission to boiling pure and mixed liquids	Perry, Charles William	PhD	1940	Johns Hopkins University	53.2
29	TH1199	Effects of web openings in reinforced concrete beams subjected to cyclic loads	Lopes, Rogerio Coelho	PhD	1983	University of South Carolina	451.47
30	TH1200	Time-dependent deflections in reinforced concrete beams cyclic loading	Carreira, Domingo Jose	PhD	1983	Illinois Institute of Technology	451.47
31	TH1271	Capacity Sensitive lot sizing decision in material requirement planning system	Ernst Harl, Johannes	PhD	1980	Ohio State University	359.91
32	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
33	TH1273	Production planning problems for flexible manufacturing systems	Stecke, Kathryn Elizabeth	PhD	1981	Purdue University	369.888
34	TH1274	Integrated production planning model for multiproduct parallel processor environments	Oliff, Michael David	PhD	1982	Clemson University	369.888
35	TH128	Non-periodic vibrations of layered viscoelastic plates	Jones, Irving Wandell	PhD	1967	Polytechnic Institute of Brooklyn	67
36	TH130	Spot cooling and heating of surfaces with high-velocity impinging air jets	Walz, Dieter Richard	B.Tech	1964	Standford University	0
37	TH131	Generalized topological formulas for linear network functions	A. Prabhakar	PhD	1967	IISc	0
38	TH1389	Development of contract strategies	Perry, John G	PhD	1983	University of Manchester	721.112
39	TH1404	Risk allocation in construction contracts	Porter, C.E	M.Sc.	1981	University of Manchester	794.136
40	TH1417	Planning and control of multi-projects	Deshpande, Avinash D	M.Tech	1983	IIT, Bombay	342
41	TH1430	Models for Debris Flow	Johnson, A.M	PhD	1965	Pennsylvania State University	273.216
42	TH1480	Abstracts of Ph. D. theses: technology and humanities & social sciences		Abstract of PhD thesis	1980	IIT, Madras	0
43	TH1482	Abstracts of Ph. D. theses: Technology and Humanities & Social Sciences		Abstract of PhD thesis	1987	IIT, Madras	0

44	TH1499	Diffusion of information among the working poor	Chatman, Elfreda Annmary	PhD	1976	University of California	574.892
45	TH1500	Process for design of information systems for the academic administrator	Sekula, Francis Joseph	PhD	1984	University of Pittsburgh	637.504
46	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
47	TH1572	Optical properties and solar selectivity of inhomogeneous metal-insulator coatings	Axel Niklasson, Gunnar	PhD	1982	Chalmers University of Technology	546.432
48	TH1628	Recent advances in bioprocess engineering	Ghose, T.K.	CEP, Lecture Notes I	1988	BERC, IITD	0
49	TH1629	Recent advances in bioprocess engineering	Ghose, T.K	CEP, Lab Manual	1988	BERC, IITD	0
50	TH1630	Course on project implementation, monitoring and evaluation	P. Natarajan	Course Report	1989	Dept of Civil Engineering, IITD	0
51	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
52	TH1845	Knowledge-based process planning for machining parts	Chang, Kang J.	PhD	1991	University of California	1691.8
53	TH1882	Open cycle solid desiccant cooling component models and simulations	Jurinak, Jeff Jerome	PhD	1982	University of Wisconsin-Madison	590.592
54	TH1905	Adsorptive drying of organic liquids	Joshi, Sudhir Ramtirth	PhD	1987	University of Texas	866.525
55	TH1906	Thermal regeneration of fixed multicomponent adsorption beds	Huang, Chen-Chia	PhD	1987	University of Texas	866.525
56	TH1944	Studies in the optimal synthesis of chemical processing and energy systems	Papoulas, Soteris A	PhD	1982	Carnegie Mellon University	2011.35
57	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
58	TH1994	Fault diagnosis and prediction in reciprocating air compressors by quantifying operating parameters	Feng, Ming-Fa	PhD	1992	Virginia Polytechnic Institute and State University	2093.575
59	TH2172	Large plastics deformations by sequential limit analysis	Chung- Li, Hwan	PhD	1992	University of Michigan	2089.392

60	TH2201	Integrated computer-aided manufacturing system for sculptured surfaces	Kim, Kwang-il	PhD	1993	University of Illinois	2096.004
61	TH2202	Fuzzy rule base tuning for robotic precision assembly	Gurocak, Hakan Berat	PhD	1993	Washington State University	2096.004
62	TH2203	Computer-aided process planning based on principles and heuristics	Korde, Uday P	PhD	1993	University of Minnesota	2096.004
63	TH2204	Automatic tool path generation for numerically controlled machining of sculptured surfaces	Li, Xiaoxia	PhD	1993	University of New Hampshire	2096.004
64	TH2747	Rationalization of distribution network in supply chain context- case	Bhandari, Vinay	M.S(R)	2000	Dept of Mechanical Engineering, IITD	0
65	TH322	Experimental reactor studies of the catalytic reduction of sulfur dioxide	Aderhold, James Lewis	PhD	1975	University of Massachusetts	180.55
66	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
67	TH384	Anisotropic turbulence and stochastic arrays of three-dimensional scatters	Duvoisin, Paul Frank	PhD	1969	University of Wisconsin	174.8
68	TH420	Fault-detecting computer system design	Pembamoto, Kiluba Na-Beya	PhD	1975	State University of New York	184
69	TH423	Computer storage hierarchy models and analysis	Mortenson, John Albert	PhD	1976	Standford University	184
70	TH425	Compressibility characteristics of submarine sediments and settlement estimation for ocean structures	Callender, Jr. and Warren, Gordon	PhD	1973	Georgia Institute of Technology	177.1
71	TH426	Experimental investigation of pipeline stability in very soft clay	Lim, Sung Joo	PhD	1974	University of Houston	180.55
72	TH427	Strength and stress-strain behaviour of deep ocean carbonate soils	Demars, Kenneth Roland	PhD	1975	University of Rhode Island	180.55
73	TH429	Inelastic cyclic behavior of reinforced concrete columns	Atalay, Mchmat Bilgin	PhD	1976	University of California	184
74	TH430	Analysis of underground excavations and their support systems	Elias, Ghanem	PhD	1976	University of California	184
75	TH431	Substructure method for earthquake analysis of structures-soil interaction	Gutierrez, Jorge Alberto	PhD	1976	University of California	184

76	TH432	Coupled lateral torsional response of building to ground shaking	Kan, Christopher Lap-Hin	PhD	1976	University of California	184
77	TH433	Earthquake analysis of Arch Dam foundation system	Mojtahedi, Soheil	PhD	1976	University of California	184
78	TH434	Non-linear transient dynamic analysis of yielding structures	Ozdemir, Haluk	PhD	1976	University of California	184
79	TH435	Nonlinear analysis of pile-supported plane frames	Dhanasobhon, Chitsanti	PhD	1976	Oklahoma State University	184
80	TH436	Method of analysis for nonlinear dynamic response of prestressed concrete beams	Lakshmi Kanthan, Racachandran	PhD	1976	Oklahoma State University	184
81	TH437	Behaviour of inelastic multistorey structures subjected to 2-D earthquakes	Oster, Kenneth Byron	PhD	1976	University of Missouri	184
82	TH439	Response of partially filled elastic cylindrical storage tank subjected arbitrary lateral base excitation	Mouzakis, Timoleon	PhD	1976	University of Massachusetts	184
83	TH440	Advanced integrated circuit technology for micropower integrated circuits	Rogers, Thurman John	PhD	1975	Stanford University	180.55
84	TH441	Characterization of nylon 66-poly (Ethylene glycol) blend fibres	Bhat, Gulgunji Ramachandra	PhD	1974	North Carolina State University	180.55
85	TH465	Stationary random response of multidegree of freedom systems	Yang, I-Min	PhD	1970	California Institute of Technology	186.485
86	TH466	On the design of one dimensional & two dimensional fir digital filters	McClellan, James Harold	PhD	1973	Rice University	246.4
87	TH469	Measurement of thermal conductivity of beef	Miller, Herbert and Evanston, Illinois	M.Sc.	1962	Northwestern University	0
88	TH471	Charge motion in the variable threshold memory transistor	Crain, David Wilson	PhD	1976	University of Southern California	168
89	TH472	Elastohydrodynamic lubrication: transient finite element analysis	Chia Peng Day	M.Sc.	1974	Cornell University	199.39
90	TH475	Collocation method for boundary value problems using spline functions.	Ito, Teisuke	PhD	1972	Brown University	248.49
91	TH476	Monolithic acoustic surface wave amplifier	Coldren, L.A.	PhD	1972	Stanford University	180.72
92	TH477	Study of lateral nonuniformities and interface states in MIS structures	Chang, Ching-Chu	PhD	1976	Princeton University	192

93	TH478	Acoustic wave semiconductor convolver applied to electrical and optical signal processing	Gautier, H. P. R.	PhD	1975	Stanford University	0
94	TH479	Investigations on Zinc Telluride	Baker, Wilford Dean	PhD	1971	Carnegie Mellon University	181.44
95	TH481	Non-linear viscoelasticity of polyamide fibers	Ko Frank Koon-fun	PhD	1977	Georgia Institute of Technology	206.67
96	TH482	Properties and microstructure of polycarbonate-polysulphone blends	Myers, Floyd Spencer	PhD	1971	North-Western University	188.244
97	TH483	Compatibility in polymer blends	Brodsky, Philip Hyman	PhD	1969	Cornell University	189.24
98	TH484	High field transport in silicon dioxide films on silicon induced by corona charging	Weinbegz, Zeev A.	PhD	1974	Princeton University	0
99	TH485	Improved analysis of the transient response of a MOS-C	Takino, Takanori	PhD	1976	University of California	0
100	TH486	Tractor cab suspension performance modeling	Roley, Daniel Gay	PhD	1975	University of California	0
101	TH487	Study of the effects of low energy electron irradiation on MOS capacitors	Chin-Tay Shih	PhD	1975	Princeton University	0
102	TH488	Complementary MOS transistors in micropower circuits	Richard Marker Swanson	PhD	1974	Stanford University	0
103	TH489	Solar building energy use analysis	Ucar, Manas	PhD	1976	Syracuse University	0
104	TH490	Analysis of the transient natural convection from horizontal circular cylinder	Hsu, John Cheu-Wang	PhD	1977	North Carolina State University	0
105	TH491	Generalized approach to thermodynamic cycles analysis	Henry, Charles Daniel	PhD	1977	University of Arizona	0
106	TH492	Natural convection heat transfer from a horizontal circular cylinder to a surrounding cylindrical enclosure	Kuehn, Thomas Howard	PhD	1976	University of Minnesota	0
107	TH493	Instability of natural convection flow around horizontal cylinders	Fathalah, Kadry Ahmed Fathy	PhD	1976	Georgia Institute of Technology	0
108	TH495	Characterisation of nylon 66-poly(Ethylene glycol) blend fibres	Bhat, Gulgunji Ramachandra	PhD	1974	North Carolina State University	0
109	TH496	Analysis of plate-type prismatic structures	Abu Ghazaleh, Bassam Naif	PhD	1966	University of California	0
110	TH497	Mechanized information retrieval from abstracts	Murty, D.S.R.	Project Report	1969	INSDOC	0

		literature in chemical engineering using IBM 1620					
111	TH498	Study of secondary time effects and consolidation of clays	Kaul, Brij Krishen	PhD	1963	University of Punjab	0
112	TH502	Frequency domain characterization of surface acoustic wave oscillator	Anandmoy Bagchi	M.Tech	1978	Dept of Electrical Engineering, IITD	0
113	TH522	Phase control and phase minimization in digital filters	Burris, Frank Edward	PhD	1974	University of Cincinnati	216
114	TH550	Generation and amplification of ultrasonic layer waves	Araghi, Medhi Najm	PhD	1972	University of Rochester	216
115	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
116	TH705	Theoretical and experimental investigation of sorption in bidisperse porous particles	Vaidyanathan, A.S.	PhD	1971	Clarkson College of Technology	210.84
117	TH706	Elimination of dilute sulfur dioxide by macro reticular ion exchange resins using a cyclic operation in a packed bed	Tsobanopoulos, Vasilios	PhD	1973	Carnegie Mellon University	260.4
118	TH736	Growth and characterization of Gallium-Nitride vapour phase epitaxial layers and devices	Samuel, Liu Sheau-ming	PhD	1977	Standford University	232.4
119	TH779	Optimization of multistage heat exchange systems	Bragin, Morey S.	PhD	1966	Polytechnic Institute	134.4
120	TH80	Studies on civil air transportation in India	Dhingra, M.M.	Project Report	1969	IIT Kanpur	0
121	TH82	Vibrational characteristics of multistorey-infilled frames	Mallick, D.V.	PhD	1967	University of Bristol	0
122	TH835	Fracture morphology of nylon 6 fibres	Park, Joon Bu	PhD	1972	University of Utah	0
123	TH836	Molecular mechanics of polymers by dynamic infrared techniques	Wool, Richard Patrick	PhD	1974	University of Utah	0
124	TH86	Manufacture of Hexamine from methanol	Kalia, K.C.	B.Tech	1970	Department of Chemical Engineering	0
125	TH91	Plane strain behaviour of soft clay	Hambly, E.C	PhD	1969	Cambridge University	0
126	TH94	Stress-strain characteristics of Badarpur sands	Chawla, Charanjit	M.Tech.	1971	Department of Soil Mechanics and Foundation Engineering	0

127	TH958	Investigation of some management information systems design variables and decision-making performance: A simulation Experiment	Jenkins, Arnold Milton	PhD	1977	University of Minnesota	351.92
128	TH959	Experimental investigation of the contingency model of decision strategy selection	McAllister, Daniel Warren	PhD	1978	University of Washington	364.64
129	TH96	Design of type-112 photographic objective and detailed study of its properties	Sharma, D.K.	M.Sc.	1969	University Of Tasmania	0
130	TH960	Study of MIS design variables: decision styles and decision-aiding strategy	Alavi, Maryam	PhD	1978	Ohio State University	364.64
131	TH961	Decision support system in the case of price policy for rice in the Philippines	Yassour, Joseph	Doctor of Business Administration	1979	Harvard University	381.6
132	TH992	Verification of concurrency control algorithms for distributed database systems	Hua, Cecil T.	PhD	1981	University of Pittsburgh	347.52
						Total	45708.44