

## DEPARTMENT BOOKS LIST

S.No.	Code	Title of the text book	Author	Publishers	Edition no.
1.	E - 1	Electronic Communications	Dennis Roddy, John Coolen	PHI	4 <sup>th</sup>
2.	E - 2	Electronic Communication systems	Kennedy & Davis	TMH	4 <sup>th</sup>
3.	E - 3	Monochrome & Colour Television	RRGulati		
4	E - 4	Instrumentation Devices & Systems	CS Rangan , Mani, Sarma	TMH	2 <sup>nd</sup>
5	E - 5	Modern Electronic Instrumentation and measurement Techniques	Helfrick and Cooper	PHI	
6	E - 6	Electronic Fundamentals and applications	Chattopadhyya and P.C.Rakshit	New age	3 <sup>rd</sup>
7	E - 7	Basic Electronics	D.C. Tayal & vimal Tayal		
8	E - 8	Electronic materials , Components and devices Technology	Anuaun , Kalvar	Everest Publishers house	2 <sup>nd</sup>
9	E - 9	Electronic Devices and Circuits Vol - II	Agrwal	Pragathi	
10	E - 10	Electronic circuit analysis Vol - I	Agrwal	Pragathi	
11	E - 11	Electronic Circuits & Digital Electronics Vol - III	Agrwal	Pragathi	
12	E - 12	Microprocessor Vol - IV	Agrwal	Pragathi	
13	E - 13	Op-amps linear integrated circuits	Ramakanth A. Gayakward	PHI	III
14	E - 14	Digital Fundamentals	Floyd	UBS	III
15	E - 15	Microprocessor Architecture , Programming and applications	Ramesh S.Gaonkar	PRI	III
16.	E - 16	Digital logic & computer design	M.Morris Mano	PHI	
17.	E - 17	Fundamentals of Microprocessor and Microcomputer	B.Ram	Dhanapath Roy	4
18	E - 18	Network Lines & Fields	John Ryder	PHI	2
19	E - 19	C Programming FAQ	Adision		
20	E - 20	Electronics made simple	V.K.Mehatha		
21	E - 21	Elements of Electronics & Instrumentation	V.K.Mehatha		
22	E -22	Linear Integrated Circuits	Roy Chowdary		
23	E -23	Electrical Technology Vol - I	B.L.Theraja		
24	E - 24	Electronic devices and circuits	Boyleasted		4 <sup>th</sup>

25	E - 25	Integrated Electronic	Jacob Millman		
26	E -26	UNIX shell programming	Yaswant Kanetkar	BPB	
27	E - 27	Exporing the UNIX system AT & T	Kohan & wood		
28	E -28	Turbo C++	Robert Lafore		2 <sup>nd</sup>
29	E - 29	Object Oriented Programming with C++	Bala guru swamy		2 <sup>nd</sup>
30	E - 30	Circuit Theroy	Umesh Sinha		
31	E - 31	Introduction to Microprocessor	Adithya P Madhur		2 <sup>nd</sup>
32	E - 32	Electronic devices and circuits	Bogart		
33	E - 33	Electricity and Electronics	D.C.Tayal		
34	E - 34	Electricity and Magnetism	D.C.Tayal		
35	E - 35	Information Technology	Chanchal mittal		
36	E - 36	C all clear in 30 days	Ravindras		
37	E - 37	Basic electronics Solid state	B.L.Teraja		
38	E - 38	Electrical & Electronics Instrumentation and measurement	A.K.Sahani	D.Rai & Sons	
39	E - 39	Digital principal and applications	Malvino & Leach		2 <sup>nd</sup>
40	E - 40	Introductory circuit analysis	Robert L , Boylested		5 <sup>th</sup>
41	E - 41	Electronic tube circuits		TMH	
42	E - 42	Laser Technology and applications	Mukunda Rao R.S. Sirohi		
43	E - 43	Circuit Analysis Unified electronics	Agrowal & Arora		
44	E - 44	Fundamentals of Inforamation Technology	M.L.Sai Kumar, Niramal Sekhar, N.Padmalatha		
45	E - 45	Solid State Electronic circuits & Digital electronics VOL - III	A.S. Prakashan, Meerut		
46	E - 46	Digital Computer fundamentals	Thomas C.Barta	TMH	6 <sup>th</sup>
47	E - 47	Pulse & digital circuits	Syed Amjad Ali	Hi-Tech	
48	E - 48	Digital circuits and logic design	Samuel C. Lee	PHI	
49	E - 49	Interfacing through Microprocessor	K.Subba Rao	Hi-Tech	
50	E - 50	Microprocessor and its Applications	R.Theagarajan, S.Dhanasekaran & S.Dhanapal	New Age	

51	E - 51	Microcomputer Systems The 8086 & 8088 family	Yu- Cheng Lin, Glenn A Gibson	PHI	2 <sup>nd</sup>
52	E - 52	Net works & Systems	D.Roychowdary	NewAge	
53	E - 53	Net work theory	N.C. Jagan, C.Lakshminarayan	BS	2 <sup>nd</sup>
54	E - 54	UNIX in easy steps	MohammedAzam	NewAge	
55	E - 55	Microwave engineering	Sanjeev gupta	BPB	
56	E - 56	Analysis of Electrical Networks	P.V. Ratnam		
57	E - 57	Mathematics			
58	E - 58	Advanced Electrical Techology	H.Cotton	D.Rai & Sons	
59	E - 59	Basic Electronics	D.C. Tayal & vimal Tayal	Himalaya	
60	E - 60	Concepts of Electronics	D.C. Tayal & vimal Tayal	Himalaya	
61	E - 61	Electronic circuits and Digital electronics	Agrawal & Agrawal	Pragathi	
62	E - 62	Circuit Analysis	Agrawal & Arora	Pragathi	
63	E - 63	Electronic devices & circuits	Agrowal & Agrowal	Pragathi	
64	E - 64	Microprocessor	Agrowal & A.K.Vishni	Pragathi	
65	E - 65	P.C. software & Programming in C	Pragathi & M.V.Raman		
66	E - 66	Fiber Optic Communications	Joseph C. Palais		
67	E - 67	Electronic Workshop Practice	T.V. Gupta, P.V.N.Reddy		
68	E - 68	Electronic Devices	Floyd		
69	E - 69	Price List		PHI	
70	E - 70	Digital Fundamentals	Floyd	Pearson	
71	E - 71	Electronics (A system approach)	Neily Storey	Pearson	2 <sup>nd</sup>
72	E - 72	Optical fiber and fiber communication			
73	E - 73	Microelectronic Devices	Dipankar, Nagchowadari	Pearson	
74	E - 74	Semiconductor Devices & circuits(Testpapers B.Tech)	M.Srinivas		
75	E - 75	Object Oriented Programming with ANSI & Turbo C++	Kamthane	Pearson	
76	E-76	Networks and Transmission Lines	Anilkumar	Pearson	
77	E-77	Unix for Programmers and Users	Graham Glass.	Pearson	

78	E-78	Electronic Devices	Floyd	Pearson	
79	E-79	The Intel Microprocessors	Barry .B.Brey	Pearson	
80	E-80	Elements of Electronic Instrumentation & Measurement	Joseph.J.Carr	Pearson	
81	E-81	Fiber Optic Communications Technology	Djafar K.Mynbaev	Pearson	
82	E-82	Operational Amplifiers with Linear Integrated Circuits	William D.Stanely	Pearson	
83	E-83	Digital Electronics	R.S. Sedha	S. Chand	
84	E-84	Applied Electronics	R.S. Sedha	S. Chand	
85	E-85	Unified Electronics Linear Components & ckt Analysis	Dr. J.P. Agarwal V.P. Arora	S. Chand	Vol. 1
86	E-86	Technicians guide Fiber Optics	Sterling	Publishing House	3 <sup>rd</sup>
87	E-87	Electronic devices & Ckts Rufus Jasmin	Rufus Jasmin Anitha	Hi-Tech	
88	E-88	Optical Fiber Communication and Sensors	Dr. M. Arumugam	Anuradha	
89	E-89	MATLAB programming for Engineers	Stephen J. Champman	Thomson	3rd
90	E-90	Introduction to PSpice using Orcad for circuits and Electronics (with CD Rom)		PEARSOR	3rd
91	E-91	Optical Fiber Communication(with CD Rom)		Govind, P. Agrawal	3rd
92	E-92	OP- AMPS for every one	Ron Mancini	Elsevier	2nd
93	E-93	Electronic Design (with CD Rom)	William R. Wieserman	SPD	4th
94	E-94	Communication Theory	K. S. Srinivasan	Anuradha	
95	E-95	Principles of Telephony	N.N. Biswas	RB	
96	E-9 Pears on 6	Principles of Telegraphy	N.N. Biswas	MPP	
97	E-97	Electronic Power Utilization	Ram Kumar Garg	khanna	
98	E-98	Microprocessors (Principles & Applications)	AJIT PAL	TMH	

99	E-99	The 8051 Microcontroller and embedded systems (floppy)	MD.Ali Mazidi	LPE pearson education	
100	E-100	An Embedded Software Primer – With CD –ROM	David E.Simon	LPE pearson education	
101	E-101	Object Orient Programming C++	R. Raja Raman	New age international	
102	E-102	A text book of applied electronics	R.S. Sedha	S. Chand & Co.	
103	E-103	Op-Amps and linear integrated circuits	Ramakant A. Gayakwad	PHI	
104	E-104	MATLAB An Introduction with Applications	John Wiellysons		
105	E-105	Introduction to MATLAB for Engineers	William. J. palm III	Mc Graw Hill	
106	E-106	Unified Electronics –Vol I Circuit Analysis	Agarwal Arora	A.S. Prakasan Meerut	
107	E-107	Electronic Devices and Ckts	Agarwal	A.S. Prakasan Meerut	Vol II
108	E-108	Computer System Archetecture	Moris M. Mano	PHI	3rd
109	E-109	The 8051 Microcontroller Architecture , programming and Applications	Kenneth J. Ayala	Thomson	2nd
110	E-110	Microcontroller Architecture , programming Interfacing and System Design	Raj Kamal	pearson	1 <sup>st</sup>
111	E-111	Microprocessors and Interfacing	Donglas V. Hall	TMH	2nd
112	E-112	Electronics- paper –I test papers (OU)	R. Bala Bhaskar	Vikram Modern series	
113	E-113	Electronic Devices and Circuit Theory	Boylestad & Louis Nashe		
114	E-114	Electronics Paper II –B.Sc. II year	R.Bala Bhaskar	Vikram modern series	
115	E-115	Electronics I Paper –B.Sc. I year	R. Bala Bhaskar	Vikram Modern	

				series	
116	E-116	Applied Circuit Theory	RR Adby	New Age	
117	E-117	Fundation of Electronic Devices	M. Satyam K. Ram Kumar	New Age	
118	E-118	Electronic Components and Processes	Preeto Maheshari	New Age	
119	E-119	Solid State Devices and Circuits	S.P. Bali	New Age	
120	E-120	Linear integrated Circuits	D.Roy Chowdhury Shail Jain	New Age	
121	E-121	LASERS (Principles types and applications)	K.R. Nambiar	New Age	
122	E-122	Electronics (theory and applications)	DR.S.L. KAKani & K.C. Bhandari	New Age	
123	E-123	Principals of electronic devices&circuits(Analog& Digital)	B.L.theraja R.S.sedha	s.chand	
124	E-124	Electronic Devices & Circuits	G.S.N Raju	I.K.Interna tional	
125	E-125				

\*E10 replaced on 17/4/06 with Fiber Optic Communications – Joseph –  
Pearson Education

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### DEPARTMENT DATA BOOKS LIST

S.No.	Title of the book	Publishers
D1	Microprocessor data hand book	BPB
D2	Microprocessor data hand book	BPB
D3	Microprocessor data hand book	BPB
D4	Data book	BEL
D5	Voltage Regulator hand book	
D6	Electronic Power supply hand book	
Purchased on Book Festival 9/1/05		
D7	Data logger for hard ware manual	
D8	World transistor Equivalent and data	BPB
D9	World transistor Equivalents and data	BPB
D10	CMOS Data book	BPB
D11	CMOS 4000	BPB
D12	Linear IC s	BPB
D13	Thyristers, Triac, Diac, UJT	BPB

## DEPARTMENT MANUALS LIST

<b>S.No.</b>	<b>Name of the book</b>	
M1.	Computer Aided Television tutor Introduction manual	NTTF
M2	Operating manual	NTTF
M3	Service manual	NTTF
M4	Operation and servicing manual for Digital IC trainer	Nikki Digi - I
M5	Operation and servicing manual for Linear IC trainer	Nikki Digi - I
M6	Z80 cross bar assembler for MS - DOS	MicroTek
M7	Circuit Maker reference manual	Software options
M8	Daewoo service manual	GT Publications
M9	Test and measurement catalog	
M10	Lab manual	
M11	Electronic materials - 4	
M15	Simple projects	
M16	HIL 2941 Linear IC trainers usual manual (including with Xerox copies)	
M17	PWD design and Technology Vol-I	Practical
M18	PWD design and Technology Vol-II	Practical
M19	PWD design and Technology Vol-III	Practical
M20	Maintenance of Electronic Equipment	B.Ganguly
M21	Microprocessor training and development	
M22	AM/FM signal generator	
M23	HIL 2941 Digital IC trainers usual manual (including with Xerox copies)	
M24	Using function generators and Phase locked loops	
M25	Fast servicing with Osilloscopes	
M26	AM/FM signal generator with frequency counters	
M27	Voltage stabilizers and automatic cutouts	
M28	Understanding and using multimeters	
M29	Operational amplifiers	
M30	Digital Electronics	
M31	Microprocessor kit manuals (15)	
DATE: 16-7-05		
M32	Ultboard 7 PCB layout getting started & Tutorial guide	
M33	Ultboard 7 PCB layout user guide	
M34	Comm SIM7 {network and Communications Simulation}	
M35 -1	Multisim 8 (simulations Capture) for educators	
M35-2	Multisim 8 (simulations Capture) for educators	
M36-1	Multisim 8 (simulations Capture) component reference	



	guide	
M36-2	Multisim 8 (simulations Capture) component reference guide	
M37-1	Multisim 8 (simulations Capture) user guide -I	
M37-2	Multisim 8 (simulations Capture) user guide -I	
M38-1	Multisim 8 (simulations Capture) user guide -II	
M38-2	Multisim 8 (simulations Capture) user guide -II	
M39	Filters	N. Suresh
M40	Falcon – Model Fiber link B	

M41	Unix and Shell programming	
M42	In-house training 2004-05	
M43	In-house training 2004-05	
M44	Voltage Regulators	G. Neelima
M45	Modern trends in telecommunication	
M46	Scien Tech – Oscilloscope Demonstrator Trainer ST-2001E	
M47	Optical Fibers	
M48	Hobby Projects for students	
M49	Optical Fibers	TVR(own book)
M50	Microprocessor based Applications	RBB
M51	Maintenance of Electronic Equipments	
M52	MATLAB- Using MATLAB graphics –Version 6	
M53	MATLAB Continuation	
M54	Electronics and Circuit Analysis using MATLAB	
M55	Basic Course (JTO)	
M56	Optical Time Domain Reflectometer	
M57	Practical guide for optical fibre cable	
M58	Operatioal Manual S174HH Fusion Splicer	
M59	Overview of FOTS	
M60	Optical fiber cable	
M61	Inverse Course on optical fiber cable	
M62	2/140 Mb/s Optimux (crompton Greeves)	
M63	Global System for mobile communications	
M64	In Service on Optical fibre cable FITL	
M65	New technology familiarization for TTA’s GSM (mar’05)	
M66	New technology familiarization for TTA’s	

	Switching(mar'05)	
M67	New technology familiarization for TTA's (mar'05)	
M68	LM555 – study Material – 2 Copies	
M69	Projects - 555	

### LIST OF PROJECTS

Academic year	S.no.	Roll No.	Title of the paper	Guide name	Remarks
1994-97	1.	Krishna Vinay	Study of Optical Local area Networks	K A	
	2.	941804 941805	Universal Digital Function generator	M.S	
	3.	941817 941812	LA 4440 Audio Amplifier	D. Rajesh	
	4.	941818	Microprocessor Based Digital IC tester	K.A	
1995-98	5.		Security Systems	M.S.	
	6.	951803 951802 951813 951805	Digital Clock using LED's	TVR	
	7.	951814 951811 951810 951815	Counter Using 74C926	ADNS	
	8.	951822 951828 951827	Stereo Cassette Player	TVR	
	9.	951804 951825	Interfacing Card for 23/3 Dimension Display on CRO using 8085 MPU.	CH. Kavita	
	10.		Electronic Counter	M.S.	
1996-99	11.	961815 961821	Moving Character Display System		
	12.	961820 961816 961818	The Complete Personal Computer Sys. And Assembly	TVR	
	13.	961807 961812 961811 961827	Infrared Remote Control	TVR	
	14.	961830 961820 961813 961814	Stereo Cassette Player	M.S.	

	15.	961806 961823	Touch Controlled Variable Power Supply	RBB	
	16.	961802 961804	Telephone Exchange	TVR	
1997- 2000	16.	P. Satish Ch.Vamsi Ch.R.G.V. K	Radio	RBB	
	17	971809 971812 971821	Electronic Advertisement Display	ADNS	
	18	971801 971802 971803	Interruption Counter	TVR	
	19.	971816 971818 971825	Revolving Seconds Display	M.S.	
	20.	971829 971828	Intercom	M.S.	
	21.	971823 971806 971837	FM Trans receiver Walkie - Talkie	NS	
	22.	971817 971819 971826 971824	Microprocessor Aided Interactive Learner	RBB	
	23.	971804 971822 971805	Online Information Display with Real Time Clock	RBB	
	23(a)	971804 971822 971805	Real Time CMOS Function generator	TVR	
1998- 2001	24.	981809 981818 981817	Arithmetic Logic Unit Demonstration Board	RBB	
	25.	981802 981822	Digital Voltmeter	TVR	
	26.	981804 981825 981826	Caller identification System	NS	
	27.	981829 981823	Electronic Telephone Demonstrator	TVR	
	28.	981815 981828	IC tester	TVR	

	29.	981803 981814 981827	Electronic Voting Machine	RBB	
	30.	981806 981813 981820	Digital Controlled Function Generator	TVR	
	31.	981808 981821 981831	Digital Speech Security System	TVR	
1999-2002	32.	991807 991808 991854 991852	Satellite Receiver	TVR	
	33.	991802 991804 991810	Ultrasonic Movement Detector	MS	
	34.	991809 991855	K MAP display Unit	MS	
	35.	991805 991806 991851	Pulse code modulation	RBB	
2000-2003	36.	001852 001854 001857	Moving Character Display System	MS	
	37.	001806 001807 001815	Telephone Controlled Remote Switch	TVR	
	38.	001803 001805 001814 001818	Satellite Receiver, modulator & amplifier	TVR	
	39.	001851 001859 001816	Real Time Digital Clock	RBB	
	40.	001856 001858 001862	Security Systems		
	41.	001802 001809 001810	Remote Controlled Switch Board	NS	

2001-2004	42.	011804 011815	Truth table evaluator and K-map	MS	
	43.	011854 011856	Traffic signal control	RBB	
	44.	011810 011812 011813	Audio transmitting and receiving through Fiber optic cable	NS	
	45.	011801 011802 011806	Telephone Exchange	MS	
	46.	011803 011819 011864 011858	VCD player	TVR	
	47.	011807 011817 011811	Telephone measurement using transistor as sensor	TVR	
	48.	011859 011860 011865	EPABX PLAN -104	TVR	
	49.	011852 011855 011861	Auto ringing bells using UP	TVR	
2002-2005	50.	021816 021802	UPS (CD)	TVR	good
	51.	021856 021857 021862	Automatic Car Wiper Movement	TVR	good
	52.	021858 021863 021864	Tele Remote Control (CD)	TVR	good
	53.	021813 021814 021815	Voltage Stabilizer with time delay (CD)	MS	good
	54.	021854 021859 021860	Inverter (CD)	MS	good
	55.	021801 021803 021811	Answering Machine (CD)	RBB	good
	56.	021807 021808 021852	Traffic and street light controller (CD)	NS	

2003-2006	57.	031860 031862	4-Channel RF Remote Control ON/OFF type	RBB	good
	58..	031856 031861	Voice Recording and Playback (CD)	G.N.	good
	59..	031851 031863	Multirange Digital ohm mter	TVR	good
	60.	031810 031811 031812	Digital object counter	NS	good
	61.	031807 031808 031809	Infrared Auto Switch	RBB	good
	62.	031802 031817 031805	A model of train activated warning system (CD)	TVR	good
	63.	031801 031804 031815	Quasi Analog Clock Work (CD)	NS	good
	64.	021469R 031855	Project work on Website	TVR	good
	65.	031852 031855 031857	Two Wheeler Security system (CD)	NS	No result
2004-2007	66.	041824 041853 041855 041856	Tracking of satellite channels using digital receiver	TVR	good
	67.	041818 041825 041854	Ultrasonic Radar	TVR	good
	68.	041820 041852 R031803	Pre Paid Energy meter	KSR	good
	69.	041821 041822 R031853	Advanced Poling Machine	KSR	good
	70.	041804 041807 041809 041811	Attendance Compilation System	KSR	good
	71..	041805 041812	Speed Checker on high-ways	Sameer	Small problem

	72..	041801 041802 041806 041817	Robotic Arm	KSR	good
	73..	041803 041810 041813	PC base Remote Controlled Stepper motor	KSR	good



**DEPARTMENT OF ELECTRONICS  
LIST OF CD'S**

<b>S.No.</b>	<b>Name of the CD</b>	<b>Date</b>
1.	Computer main board CD's - 2	
2.	Norton Anti Virus -2002	22-01-03
3.	Or CAD Desktop Solutions	
4.	Encyclopedia of network & Tele communications By Tom Sheldon	05-11-04
5.	Fiber Optic presentation, ISDN presentation, Antenna presentation	
6.	Department of Electronics (material)	
7.	Microelectronic Circuits by Sedra /Smith	05-11-04
8.	Summer Training material by Raghu	
9.	Electronics Workbench / Multisim to accompany Electronic Devices Sixth edition FLOYD	
10.	Electronics - 1 (69)	
11.	Electronics - 2 (70)	
12.	Academic Council Minutes	
13.	CKT - Sim	07-01-02
14.	Micro Electronic Circuits	26-12-01
15.	ELECTRONICS	
16.	Department of material	
17.	Electronics ,CATT, Win' 95 IC tester serial data transmission	
18.	PENTA TUTOR CBT FAQ ON ELECTRONICS	05-11-04
19.	Electronic Circuit Analysis & Design by A. Neamen	05-11-04
20.	Department of Electronics WIN 98	06.08-02
21.	PENTA TUTOR CBT Digital Electronics (NS)	05-11-04
22.	Seminar Material Dept of Electronics	01-03-04
23.	Msg EDITOR	
24.	Department of Electronics (P.B.S.C.) FIBER LINK -D DCL -08 ACL - 1.4	02-12-03
25.	Tutorials & OSI Networks - 2	
26.	Department of Electronics Summer material	
27.	Department of Electronics NAAC Presentation	
28.	Department of Electronics	14-02-05
29.	General CD - I	
30.	General CD - II	
31.	TQTKQ-8PJK2, X3VTC-W44RG, CM62K Windows XP	
32.	Syllabus 2005-06	14-16-06

**DEPARTMENT OF ELECTRONICS**  
**List of PENTAMEDIA CD's**  
**(Electronic circuit simulation)**

<b>S.No.</b>	<b>Name of the CD</b>
<b>1.</b>	Digital Electronic Applications D1-05
<b>2.</b>	Advanced logic Gates D1-02
<b>3.</b>	Binary Arithmetic & D/A Converter D1-04
<b>4.</b>	Counters D1-03
<b>5.</b>	Advanced Active Filters OA-04
<b>6.</b>	Basic logic Gates D1-01
<b>7.</b>	Log Circuits & Signal Sources OA-05
<b>8.</b>	Basic Filters OA-03
<b>9.</b>	Basic OP AMP Circuits