DR. BABASAHEB AMBEDKAR TECHNOLOGICAL UNIVERSITY, LONERE

The quotations are invited for the following packages under shopping/ Direct Contracting mode of procurement in TEQIP III

Last date of submission : 12/10/2018 Time 03.00 pm

Date of opening: 12/10/2018 Time 03.00 am onwards

Sr. No.	Name of package and Instrument	Detailed specs.	Qty.
01	Comp 2 Smart Class Room	Size 26" X 28" X 46" Body Steel Body Complete with 23" Interactive Touch Monitor, Visual Presenter, Amplifier & Gooseneck Microphone Mounted on the top, 1 Wireless Handheld Microphone, 1 Collar Microphone, 1 Head Microphone, Speaker With Twitter, Electric Fittings & Air Circulating Fan MCB for overload and shock protection Storage Side Drawer (Made of Steel with lock) for Visual Presenter Keyboard Drawer With Lock Multipurpose Storage (Made of Steel with lock) for CPU & UPS Slider (Made of Steel with lock) to cover 23" interactive touch screen and PA System Controls and Gooseneck Microphone. (It can also be used as Book Rest/ Laptop Rest) Compatible with P4 CPU System Laptop interface Ports 4 USB, VGA In, VGA Out, Laptop Interface, Ports for Additional Speakers Mobility 4 Wheels with locking facility IPS Interactive Touch Monitor 23" Induction Infrared, 6 Point Touch, 23" Diagonal, Touch Sensitivity Object as Finger/Dummy Pen/Any Opaque Object, HD LED IPS Screen, PA System 120 Watts Amplifier 40 Watt One Speaker One Gooseneck Mic Length 23" One Wireless Mic VHF One Collar Mic VHF	02

		One Head Mic LG IPS panel with 3 years manufacturing warranty Size 23" Diagonal Touch Sensitivity Object Finger/Dummy Pen/Any Opaque Object Screen HD LED IPS Screen guard on touch screen PA System Amplifier 120 Watts Two Speaker 20 Watt One Gooseneck Mic Length 23" One Wireless Mic √ VHF One Collar Mic √ VHF One Head Mic √ Visual Presenter Sensor 3.2 Mega Pixel 3.2 Mega Pixel Zoom 22x Optical, 10X Digital 22x Optical, 10X Digital Focus Auto/Manual Auto/Manual Output Signal XGA, SXGA, 720p, WXGA, 1080P XGA, SXGA, 720p, WXGA, 1080P Resolution (Horizontol) -≥850TV Lines ≥850TV Lines Image Freeze- Yes Positive/Negative Yes Black & White/ Color Yes Image Storage 32pcs 32pcs Input Video X1, Audio X3, Mic X1, RGB X2 Video X1, Audio X3, Mic X1, RGB X2 Output Video X1, Audio X1, RGB X2, USB X1 Video X1, Audio X1, RGB X2, USB X1 Remote Control Yes Lighting Arm Light X 2(LED) A4 Size Lightbox (LED) Arm Light X 2(LED) A4 Size Lightbox (LED) Interactive Whiteboard Size Diagonal 97" Induction Infrared Touch Sensitivity 6 Point Touch Touch Object Finger / Dummy Pen / Any Opaque Object Surface Ceramic Accessories Wall Mount Bracket , Dummy Pens, USB Cable, Software Short Throw Projector Model Benq MX806ST Specification Brochure Attached	

		Projector Wall Mount Kit √ VGA Cable √ Power Cable √ Central locking system with RFID authentication √ Front two wheels with lock √	
02	Library 1 E Books	E books 85-90 titles for library - Pearson Publications	As per the list
03	Library 2 Reference Books	Total 280 to 300 hard copy books as per the list attached.	As per the list
04	Library 4 E books TMH	Total 110 to 120 E books of TMH as per the list attached	As per the list
05	Library 6 E books of PHI	PHI E Books for the library approximately 130 to 140 title.	As per the list
06	Mechanical 6 Cutting tool dynamometer	1. Lathe Tool Dynamometer Instrument capable of measuring the cutting forces in three directions which are exerted on a tool tip during turning operation. The assembly should consist of rigid sensor mounting for accurate sensing of the force components. Strain guage based sensors are equipped in the dynamometer. SENSOR : Strain gauge based No. of axis of force measurement - Three CAPACITY :X axis force - 500 Kg, Y axis force - 500 Kg, Z axis force - 500 Kg STRAIN GAUGE RESISTANCE : UP TO 350 ohms ± 1% CONNECTION: Through Twelve core shielded cable with the connector attached. TOOL BIT: 20 mm Square of 50 mm length HSS bit/20 mm square shank of indexable EXCITATION: 10V DC LINEARITY: 2% ACCURACY: At least 2% CROSS-SENSITIVITY: 5% OUTPUT: Analog output to connect Recorder or X-Y Plotter. 200mV for FSD MAX. OVER LOAD : At least 150 % DISPLAY : LED Display for X, Y & Z direction. EXCITATION : 10 V DC ACCURACY : 1% CALIBRATION : 500 Kg load in X, Y, Z direction. POWER SUPPLY: 230 V +/- 10% 50 Hz. 2. DRILL TOOL DYNAMOMETER	01 each

		Enable to measure Thrust and Torque of a drilling process. The sensor is mounted on the machine table of the drilling machine. Sensor fixed on the self-centering vice. Strain gauge based sensor CAPACITY : TORQUE – up to 20 kg-m THRUST – up to 500 kg-m STRAIN GAUGE RESISTANCE : Atleast 350 ohms ± 1% EXCITATION : 10V DC ACCURACY : Atleast 2% LINEARITY : Atleast 2% CROSS-SENSITIVITY : Atleast 5% OUTPUT : Analog output to connect Recorder or X-Y Plotter. 200mV for FSD MAX. OVER LOAD : 150 % DISPLAY : LED individual display for Torque and Thrust force. EXCITATION : 10 V DC ACCURACY : 1% CALIBRATION : 200 Kg load in Thrust force, 20.0 Kg-m in Torque force. POWER SUPPLY : 230 V +/- 10% 50 Hz. 3. MILLING TOOL DYNAMOMETER Enable to measure the cutting forces in all three X, Y and Z direction. The sensor is mounted directly on the machine table. Self-centering vice is fixed on the sensor and a job is held rigidly. Strain gauge based Three axis force sensor CAPACITY : X - Force 500 Kg, Y - Force 500 Kg, Z - Force 500 Kg STRAIN GAUGE RESISTANCE : Up to 350 ohms ±1% EXCITATION : 10V DC ACCURACY : At least 2% LINEARITY : At least 2% CROSS-SENSITIVITY : At least 5% OUTPUT : Analog output to connect Recorder or X-Y Plotter. 200mV for FSD MAX. OVER LOAD : 150 % DISPLAY : 3 Axis display EXCITATION : 10 V DC ACCURACY : 1% CALIBRATION : 500 Kg load in X, Y, Z direction. POWER SUPPLY : 230 V +/- 10% 50 Hz.	
07	Mechanical 7 Surface roughness tester	Surface Roughness Tester • It should be compact and easy to handle •Should have high resolution color display and menu driven user guidance •illuminated TFT touch display	01

		•Data backup facility as TXT, X3P or PDF file •Generation of records in pdf format •independent of power supply •with removable drive unit •Measures in horizontal, vertical, upside down positions •short activation time •Automatic cut-off ion •Integrated standard in drive unit •Measuring range up to 360 µm •Automatic profile detection and corresponding ion of filter and traversing length conforming to standards •High print quality thermal graphics printer Data transfer to PC facility •Integrated memory for results and profiles •Printing of R profile (ISO/ASME/JIS), P profile (MOTIF), material ratio curve, measuring record and all parameters •able measuring units (µm/µin) and standards (ISO/JIS/ASME/MOTIF) •Individual sampling lengths and short cutoff can be ed •Lock for instrument settings •Built in rechargeable battery with power management •AC adapter with interchangeable international plug adapters •For use with PHT probe range Technical Specification: Measuring Principle: Stylus Method Probe: Inductive Skidded Probe Profile Resolution: up to 8 nm Filter according to ISO/JIS: Gaussian filter as per ISO 16610-21 (formerly ISO 11562), special filter as per DIN EN ISO 13565-1, Lambda s filter as per DIN EN ISO 3274 (can be switched off) Traversing length according ISO 12085 (MOTIF): 1 mm, 2 mm, 4 mm, 8 mm, 12 mm, 16 mm Evaluation length In according to ISO/JIS: 1.25 mm, 4.0 mm, 12.5 mm Number of sampling length according to ISO/JIS: able: up to 16 Stylus: 2 to 5 µm Wide range power supply: 100 to 264 V Storage capacity: Min. 1350 profiles, min. 500,000 results, min. 250 PDF records, expandable up to 32 GB with Micro SD card	

		Calibration function: Dynamic; Ra, Rz, Rsm Rechargeable batteries: Lithium-ion battery Vertical Scale: Automatic/able Horizontal Scale: Cut-off dependant	
08	Mechanical 8 Reaction torque sensor	Rated output (R.O.) 1.5mV/V±1% (1~5kgf-m:1mV/V) Nonlinearity 0.3%R.O. Hysteresis 0.2%R.O. Repeatability 0.3%R.O. Excitation recommended 10V Terminal resistance 350Ï±1% Insulation resistance bridge 200MÏ Temperature effect, on rated output 0.2% Load/10℃ Temperature effect, on zero balance 0.3% R.O/10℃ Safe overload 120% R.C. Cable length Φ 7.4 core, 3m.	01
09	Mechanical 9 High voltage supply unit	High- Voltage Supply 0 to ±6 kV, switch selectable/adjustable with potentiometer, resolution of 6 kV range is 10 V High Voltage Amplifier 0 to ±6 kV DC or peak AC; switch selectable And Controller Current Supply 0 to ±200 µA or 0 to ±2000 µA; switch selectable/ adjustable with potentiometer. Resolution of 200 µA range is 0.2 µA, resolution of 2000 µA range is 2 µA Transconductance Amplifier and Controller 0 to ±200 µA or 0 to ±2000 µA DC or peak AC, switch selectable. High- Voltage Amplifier and Controller 0 to ±10 V DC or peak AC High Voltage Amplifier and Controller 6 kV range: 1000 V/V Accuracy Better than 0.3% of full scale Voltage Range Adjustable range 0 to ±6 kV DC using the potentiometer Current Range Adjustable range 0 to ±2 mA DC using the potentiometer DC Offset Voltage Less than 2 V Output Noise Less than 700 mV rms Slew Rate (10 to 90%, typical) Greater than 35 V/µs Small Signal Bandwidth (-3 dB) DC to 10 kHz Large Signal Bandwidth (-3 dB) DC to greater than 1.2 kHz Large Signal Bandwidth (1% distortion) DC to greater than 600 Hz Settling Time to 1% Less than 1 ms for a 0 to 6 kV step	01

		Scale Factor 1/1000th of the output voltage DC Scale Accuracy Better than 0.1% FS as referred to the high-voltage output Offset Voltage Less than 5 mV Noise Less than 20 mV p-p Output Impedance 47 Ω, nominal Scale Factor 1 V/200 μA DC Scale Accuracy Better than 0.1% FS as referred to the high-voltage output Offset Voltage Less than 10 mV Noise Less than 30 mV p-p Output Impedance 1 k Ω, nominal High-Voltage On/Off Local Individual push-button switch Compliance Level Selection Precision potentiometer is used to set the current limit when operating in the voltage mode or to set avoltage limit when operating in the current mode. Compliance Indicator LED illuminates in a compliance limit condition Dimensions Approx.. 140 mm H x 430 mm W x 370 mm Weight Approx. 5 kg HV Control 3-position switch: On, Off, Remote Mode Control 2-position switch: 0 to ±1 kV to 0 to ±6 kV Output Select Precision potentiometer with graduated dial Polarity Select 3-position switch: Positive, Negative, Off Temperature 0°C to 40°C Rel. Humidity To 85%, non condensing Power Consumption 200 VA, maximum	
10	Mechanical 10 Sensor display	Application Sensor Strain gauge sensor Voltage DC 5V Zero adjustment range Auto zero Input signal 0.5 ~ 3.0 mV/V AD converter 24 bit 1000 times/sec DA converter 16 bit 1000 times/sec Display -19999~ + 99999 Display Speed Approx. 32 times/se Character height 7 segment 14 mm Decimal point Random setting available Sampling speed Max. 1000 times/sec Zero variation within 0.5μV/OC	01

		Sensitivity variation 50 ppm / OC Sensitivity variation 50 ppm / OC Output Voltage 0~ 10 V (0.4 ~20 mA) Temperature range -10 OC ~ 60 OC Power Source AC 85 ~ 265V 50/60 Hz Relay output Contact capacity: AC 250/5A, Relay life time: more than 5,000,000 times High resolution (24 bit ADC, 16 bit DAC) High precision (more than 0.01% of FS) and stability Relay output Hi, Low, NG, OK Unit conversion kg, N, lb, kg/cm3, bar, MPa Small Size approx. 90×45×125 mm	
11	EXTC 3 HFSS software	ANSYS Academic Research High Frequency Structural Solver Bundle with 16 Core HPC License. Latest Version Specifications: For design & simulation of all types of high frequency and high-speed passive RF/microwave components e.g. Antennas, RF connectors, wave guide etc. for design and simulation of RFIC's, MMIC's, wireless transmission, System-on-Chip (SoC) and other active RF and microwave devices. e.g. diodes(Gunn, Pinn, Impatt), VCOs, LNAs, Mixers etc. For Signal Integrity, Power Integrity, EMI, EMC of very high speed RF PCBs & ICs For parasitic extraction from PCBs, electronic packaging and power electronic Equipment, connectors, bus bars etc. or optimization of parameters of Antennas for supporting other EDA tools like Cadence, Synopsis, Mentor Graphics for importing 3D geometry like mechanical enclosures from Mechanical CAD (MCAD) packages	5 user research Licence (Perpetual)
12	EXTC 5 Cadence Lab	Cadence Software: Renewal of Cadence University Bundle Analog & Digital FE & BE for PG Courses (3 years License) Downgrade Research Bundle to PG Bundle Specifications: Virtuoso Multi-mode Simulation with Spectre XPS, Virtuoso(R) Schematic Editor XL Virtuoso(R) Analog Design Environment XL, Virtuoso(R) Layout Suite XL AMS Designer with Flexible Analog Simulation, Virtuoso AMS Designer Verification Option Incisive Enterprise Simulator – XL, Genus Synthesis solution, Tempus Timing Signoff Solution XL Genus Low Power solution, Genus Physical Option, Encounter Conformal Low Power – XL Encounter Low Power GXL Option, Inovus Mixed Signal Option, Voltus IC Power Integrity Solution – XL (VTS-XL), Innovus Implementation System Basic,	10 User PG Bundle

		Cadence® Physical Verification System Design Rule Checker XL Cadence® Physical Verification System Layout vs. Schematic Checker XL, Virtuoso QRC Extraction -XL Modus DFT Option, Modus ATPG, Virtuoso Liberate Server, Virtuoso Liberate Client, Virtuoso Variety Server, Virtuoso Variety Client, Virtuoso Liberate MX Server, Virtuoso Liberate MX Client, Virtuoso Liberate LV Server, Virtuoso Liberate LV Client	

List of E Books - Pearson

1	Crowl, D.A.	Chemical Process Safety	Chemical/petro	Pearson
2	Gopi	Basic Civil Engineering	Civil	Pearson
3	Deodhar	Elementary Engineering Hydrology	Civil	Pearson
4	Chin	Water-Resources Engineering	Civil	Pearson
5	Chopra	Dynamics of Structures: International Edition	Civil	Pearson
6	Ezekwe	Petroleum Reservoir Engineering Practice	Civil	Pearson
7	Halderman	Construction Accounting and Financial Management	Civil	Pearson
8	Hegde	Power Plant Engineering	Civil	Pearson
9	Mehta;Scarborough;Armpriest	Building Construction: Principles, Materials, & Systems 2009 UPDATE	Civil	Pearson
10	Mines;Lackey	Introduction to Environmental Engineering	Civil	Pearson
11	Nagarajan	Prestressed Concrete Structures	Civil	Pearson
12	Peterson;Dagostino	Estimating in Building Construction	Civil	Pearson
13	Raj	Building Construction Materials and Techniques	Civil	Pearson
14	Rudramoorthy;Mayilsamy	Heat And Mass Transfer	Civil	Pearson
15	Sarvanamuttoo	Gas Turbine Theory	Civil	Pearson
16	Zaniewski;Mamlouk	Materials for Civil and Construction Engineers	Civil	Pearson
17	Aho;Lam;Sethi;Ullman	Compilers: Principles, Techniques, and Tools	Computer/IT	Pearson
18	Kraynak	Web Design In Simple Steps	Computer/IT	Pearson
19	Mano	Digital Logic and Computer Design	Computer/IT	Pearson
20	Mathur	Foundations of Software Testing	Computer/IT	Pearson
21	Navathe;Elmasri	Fundamentals of Database Systems	Computer/IT	Pearson
22	Pfleeger;Atlee	Software Engineering: Theory and Practice	Computer/IT	Pearson
23	Rajaram	Computer Programming with C	Computer/IT	Pearson
24	Raymond	Art of UNIX Programming, The	Computer/IT	Pearson
25	Robbins	UNIX Systems Programming: Communication, Concurrency and Threads	Computer/IT	Pearson
26	Srinivasan	Web Technology	Computer/IT	Pearson
27	Desikan S.	SoftwareTesting	Computer/IT	Pearson
28	Stallings	Operating Systems: Internals and Design Principles	Computer/IT	Pearson
29	Stallings	Wireless Communications & Networks	Computer/IT	Pearson

30	Stallings;Lawrie	Computer Security: Principles and Practice, Global Edition	Computer/IT	Pearson
31	Tanenbaum	Distributed Systems: Principles and Paradigms	Computer/IT	Pearson
32	Tanenbaum;Wetherall	Computer Networks	Computer/IT	Pearson
33	Weiss	Data Structures and Algorithm Analysis in C++	Computer/IT	Pearson
34	Wolf	Modern VLSI Design: IP-Based Design	Computer/IT	Pearson
35	Zeid	Mastering the Internet, XHTML and JavaScript	Computer/IT	Pearson
36	Ghosh	Electrical Machines	Electrical	Pearson
37	Ramana	Power System Operation & Control	Electrical	Pearson
38	Ramana	Power System Analysis	Electrical	Pearson
39	Rashid	Power Electronics: Devices, Circuits, and Applications	Electrical	Pearson
40	Sahdev	Basic Electrical Engineering	Electrical	Pearson
41	Sivanagaraju	Utilisation of Electrical Energy	Electrical	Pearson
42	Sivanagaraju	Electric Power Transmission & Distribution	Electrical	Pearson
43	Wildi	Electrical Machines, Drives and Power Systems	Electrical	Pearson
44	Annadurai; Shammugalakshmi	Fundamentals of Digital Image Processing	EXTC	Pearson
45	Bali	Consumer Electronics	EXTC	Pearson
46	Betty	Introduction to Digital Electronics	EXTC	Pearson
47	Bhattacharya	Control Systems	EXTC	Pearson
48	Bhattacharya	Network Analysis and Synthesis	EXTC	Pearson
49	Boylestad;Nashelsky	Electronic Devices and Circuit Theory	EXTC	Pearson
50	Cheng	Fundamentals of Engineering Electromagnetics	EXTC	Pearson
51	Das	Embedded Systems	EXTC	Pearson
52	Dorf	Modern Control Systems	EXTC	Pearson
53	Floyd	Digital Fundamentals	EXTC	Pearson
54	Floyd	Electronics Fundamentals	EXTC	Pearson
55	Ghosh	Control Systems : Theory and Applications	EXTC	Pearson
56	Ghosh	Signals and Systems	EXTC	Pearson
57	Mano;Ciletti	Digital Design	EXTC	Pearson
58	Mano;Kime;Martin	Logic and Computer Design Fundamentals, Global Edition	EXTC	Pearson
59	Mazidi;Mazidi;McKinlay	8051 Microcontroller and Embedded Systems, The	EXTC	Pearson
60	Moore	MATLAB for Engineers	EXTC	Pearson
61	Ogata	Modern Control Engineering	EXTC	Pearson

62	Oppenheim;Schafer	Discrete-Time Signal Processing	EXTC	Pearson
63	Raju	Antennas and Wave Propagation	EXTC	Pearson
64	Rao	Microwave and Radar Engineering	EXTC	Pearson
65	Short	VHDL for Engineers	EXTC	Pearson
66	Bhave	Mechanical Vibrations	Mechanical	Pearson
67	Chandrupatla;Belegundu	Introduction to Finite Elements in Engineering	Mechanical	Pearson
68	Douglas	Introduction to Materials Science	Mechanical	Pearson
69	Esposito	Fluid Power with Applications	Mechanical	Pearson
70	Goldstein;Poole;Safko	Classical Mechanics	Mechanical	Pearson
71	Groover;Zimmers	CAD/CAM: Computer-Aided Design and Manufacturing	Mechanical	Pearson
72	Halderman	Automotive Engines: Theory and Servicing	Mechanical	Pearson
73	Halderman	Automotive Steering, Suspension and Alignment	Mechanical	Pearson
74	Halderman	Automotive Technology	Mechanical	Pearson
75	Halderman	Automotive Chassis Systems	Mechanical	Pearson
76	Halderman;Linder	Automotive Fuel and Emissions Control Systems	Mechanical	Pearson
77	Halderman;Martin	Hybrid and Alternative Fuel Vehicles	Mechanical	Pearson
78	Hibbeler	Engineering Mechanics: Combined Statics & Dynamics	Mechanical	Pearson
79	Hibbeler	Mechanics of Materials	Mechanical	Pearson
80	Jindal	Material Science and Metallurgy	Mechanical	Pearson
81	Jindal	Strength of Materials	Mechanical	Pearson
82	Kumar	Basic Mechanical Engineering	Mechanical	Pearson
83	Manna	Heat and Thermodynamics	Mechanical	Pearson
84	Raj; Ramasamy	Strength of Materials	Mechanical	Pearson
85	Singh	Manufacturing Technology	Mechanical	Pearson
86	Singh	Non Conventional Energy Resources	Mechanical	Pearson
87	Kahate	Introduction to Database Management Systems	Computer/IT	Pearson

List of E Books - TMH

1	K S N Raju	Chemical Process Industry Safety, 1e EXP	Chemical/Petro	McGraw Hill
2	D. Patranabis	Principles of Process Control, 3e	Chemical/Petro	McGraw Hill
3	KHAN, B. H.	Non-Conventional Energy Resources, 2/e	Chemical/Petro	McGraw Hill
4	DAVIS	INTRO TO ENV ENGG - SIE	Chemical/petro	McGraw Hill
5	ASOLEKAR	WASTE WATER TREATMENT FOR POLLUTION CONTROL & REFUSE	Chemical/petro	McGraw Hill
6	Badger	Introduction to Chemical Engineering	Chemical/petro	McGraw Hill
7	Bhaat, Thokore	Stochometry	Chemical/petro	McGraw Hill
8	Peters, Max	Elementry Chemical Engineering	Chemical/petro	McGraw Hill
9	Harriot	Process Contol	Chemical/petro	McGraw Hill
10	Bhaat, Thokore	Introduction to Process Engineering Design	Chemical/petro	McGraw Hill
11	Patranlis	Principles of Process Control,	Chemical/petro	McGraw Hill
12	John S. Bailey, S. C. Bhatia	Biochemical Engineering	Chemical/petro	McGraw Hill
13	Coughnor	Process System Analysis and Contol	Chemical/petro	McGraw Hill
14	Shvevs	Chemical Process Industry	Chemical/petro	McGraw Hill
15	Kern	Process Hrat Transfer	Chemical/petro	McGraw Hill

16	Swain, Patra Roy	Mechanical Operation	Chemical/petro	McGraw Hill
17	THAKORE/BHATT	INTOR. TO PROCESS ENGG AND DESIGN	Chemical/petro	McGraw Hill
18	Krishna Raju	Prestressed Concrete	Civil	McGraw Hill
19	GAMBHIR, M. L.	Concrete Technology, 4E	Civil	McGraw Hill
20	PILLAI, S. U.	Reinforced Concrete Design, 3/e	Civil	McGraw Hill
21	SY Patki	Building Drawing	Civil	McGraw Hill
22	S N Sinha	Reinforced Concrete Design, 3e EXP	Civil	McGraw Hill
23	MS Palanichamy	Basics Civl Engineering_4e	Civil	McGraw Hill
24	Balagurusamy	Programming in ANSI - C	Computer/IT	McGraw Hill
25	Balagurusamy	Object Oriented Programming C++	Computer/IT	McGraw Hill
26	BANERJI	MULTIMEDIA TECHNOLOGIES	Computer/IT	McGraw Hill
27	Forouzan	Computer Networks	Computer/IT	McGraw Hill
28	Forouzan, Behrouz	Cryptography & Network Security	Computer/IT	McGraw Hill
29	Forouzan, Behrouz	TCP/IP Protocol Suite	Computer/IT	McGraw Hill
30	GODBOLE	OPERATING SYSTEM 3E	Computer/IT	McGraw Hill
31	GODBOLE	WEB TECHNOLOGIES	Computer/IT	McGraw Hill
32	Godbole, Kahate	Data Communications and Networks	Computer/IT	McGraw Hill
33	GONZALEZ	DIGITAL IMAGE PROCESSING USING MATLAB 2E	Computer/IT	McGraw Hill

34	HWANG	ADVANCED COMPUTER ARCHITECTURE, 2E	Computer/IT	McGraw Hill
35	KAHATE	CRYPTOGRAPHY AND NETWORK SECURITY	Computer/IT	McGraw Hill
36	KAHATE, ATUL	Information Technology, 3/e (UPTU)	Computer/IT	McGraw Hill
37	KUMAR	THEORY OF AUTOMATA, LANG & COMPUTATION	Computer/IT	McGraw Hill
38	LIMAYE	SOFTWARE TESTING	Computer/IT	McGraw Hill
39	LIPSCHUTZ, SEYMOUR	Discrete Mathematics, 3/e	Computer/IT	McGraw Hill
40	LIU	ELEMENT OF DISCRETE MATHEMATICS (SIE)	Computer/IT	McGraw Hill
41	O'Brien	Introduction to Information Systems	Computer/IT	McGraw Hill
42	O'BRIEN	MANAGEMENT INFORMATION SYSTEM (SIE)	Computer/IT	McGraw Hill
43	PRESSMAN	WEB ENGINEERING : A PRACTITIONER'S APPROACH (SIE)	Computer/IT	McGraw Hill
44	Pressman, Roger	Software Engineering: A Practitioner's Approach	Computer/IT	McGraw Hill
45	RAJ KAMAL	EMBEDDED SYSTEMS: ARCHITECTURE, PROGRAMMING & DESIGN	Computer/IT	McGraw Hill

46	RICH	ARTIFICIAL INTELLIGENCE (SIE)	Computer/IT	McGraw Hill
47	Seymour Lipschutz	Data Structure With C	Computer/IT	McGraw Hill
48	Seymour lipschutz	Data Structures	Computer/IT	McGraw Hill
49	Silberschatz, Abraham	Database System Concepts	Computer/IT	McGraw Hill
50	A Sudhakar	Network Analysis and Synthesis	Electircal	McGraw Hill
51	BHATTACHARYA, S. K.	Electrical machines, 3/e	Electircal	McGraw Hill
52	BHEL	TRANSFORMERS	Electircal	McGraw Hill
53	BHEL	HANDBOOK OF SWITCHGEARS	Electircal	McGraw Hill
54	DASGUPTA	DESIGN OF TRANSFORMERS	Electircal	McGraw Hill
55	KAMAKSHAIAH	HVDC TRANSMISSION	Electircal	McGraw Hill
56	KAMARAJU	ELECTRICAL POWER DISTRIBUTION SYSTEMS	Electircal	McGraw Hill
57	KOTHARI	POWER SYSTEM ENGINEERING	Electircal	McGraw Hill
58	KOTHARI	ELECTRIC MACHINES 4E	Electircal	McGraw Hill
59	NAIDU	HIGH VOLTAGE ENGINEERING	Electircal	McGraw Hill
60	OZA	POWER SYSTEM PROTECTION & SWITCHGEAR	Electircal	McGraw Hill
61	PABLA	ELECTRIC POWER DISTRIBUTION	Electircal	McGraw Hill
62	Ravish Singh	Basic Electrical Engineering (PU)	Electircal	McGraw Hill
63	SINGH, RAVISH	Electrical Networks	Electircal	McGraw Hill

64	SUBRAHMANYAM	ELECTRIC DRIVES: CONCEPTS & APPL, 2/E	Electircal	McGraw Hill
65	NASAR	ELEC POWER SYS - SIE - SOS - REV ED	Electrical	McGraw Hill
66	PAI	COMPUTER TECHNIQUES IN POWER SYSTEM ANALYSIS	Electrical	McGraw Hill
67	A Sudhakar and Shayammohan S Pali	Network Theory for JNTU-(Anantapur)	EXTC	McGraw Hill
68	Amitabha Bhattacharya	Digital Communication	EXTC	McGraw Hill
69	CHAKRABARTI	BASIC ELECTRICAL ENGINEERING	EXTC	McGraw Hill
70	DAS, ANNAPURNA	Microwave Engineering, 2/e	EXTC	McGraw Hill
71	Deshpande, N. P.	Electronic Devices & Circuits: Principles and Applications	EXTC	McGraw Hill
72	Ghosh	Electromagnetic Field Theory	EXTC	McGraw Hill
73	HAYES	DIGITAL SIGNAL PROCESSING - SIE	EXTC	McGraw Hill
74	Hayt, William	Engineering Electromagnetics	EXTC	McGraw Hill
75	HSU,	Signals & Systems, 2E	EXTC	McGraw Hill
76	JAIN	MODERN DIGITAL ELECTRONICS, 4/E	EXTC	McGraw Hill
77	JOSHI	RESIDENTIAL COMM & IND ELE SYS-I	EXTC	McGraw Hill
78	KHANDPUR	PRINTED CIRCUIT BOARDS	EXTC	McGraw Hill
79	KHANDPUR	HANDBOOK OF BIOMEDICAL INSTRUMENTATION	EXTC	McGraw Hill

80	KHANDPUR	HANDBOOK OF ANALYTICAL INSTRUMENTS	EXTC	McGraw Hill
81	LEE	MOBILE COMMUNICATION ENGINEERING (SIE)	EXTC	McGraw Hill
82	Mahapatra	Principles of Electromagnetics	EXTC	McGraw Hill
83	NAGRATH	SIGNALS & SYSTEMS 2E	EXTC	McGraw Hill
84	SALIVAHANAN	DIGITAL SIGNAL PROCESSING, 2/E	EXTC	McGraw Hill
85	SALIVAHANAN	LINEAR INTEGRATED CIRCUITS	EXTC	McGraw Hill
86	SINGH	COMMUNICATION SYSTEMS: ANALOG & DIGITAL	EXTC	McGraw Hill
87	Suryaprakash Rao Mothiki	Pulse and Digital Circuit	EXTC	McGraw Hill
88	TL Singal	Analog and Digital Communications	EXTC	McGraw Hill
89	VENKATARAMANI	DIGITAL SIGNAL PROCESSORS	EXTC	McGraw Hill
90	BHANDARI	DESIGN OF MACHINE ELEMENTS 3E	Mechanical	McGraw Hill
91	CENGEL	FLUID MECHANICS [SI UNITS] (SIE), 2E	Mechanical	McGraw Hill
92	CENGEL	THERMODYNAMICS 7E (SIE)	Mechanical	McGraw Hill
93	Cyril Donaldson, Joyjeet Ghose	Tool Design	Mechanical	McGraw Hill
94	Deobelin	Doebelin's Measurement Systems, 6e	Mechanical	McGraw Hill
95	GANESAN	IC ENGINES	Mechanical	McGraw Hill

96	HOLMAN	HEAT TRANSFER (SIE) (SI UNITS) 10/E	Mechanical	McGraw Hill
97	JOSHI	JIGS AND FIXTURES 3/E	Mechanical	McGraw Hill
98	MAHALIK	MECHATRONICS: PRINCIPLES, CONCEPTS AND APPLICATIONS	Mechanical	McGraw Hill
99	MICHAEL	WATER WELLS AND PUMPS	Mechanical	McGraw Hill
100	NAG	POWER PLANT ENGINEERING	Mechanical	McGraw Hill
101	NAG, P. K.	Engineering Thermodynamics, 4/e	Mechanical	McGraw Hill
102	RAO	CAD/CAM: PRIN & APPL 3E	Mechanical	McGraw Hill
103	RATTAN	THEORY OF MACHINES, 3/E	Mechanical	McGraw Hill
104	RATTAN, S. S.	Strength of Materials	Mechanical	McGraw Hill
105	SK SOM	Introduction to Fluid Mechanics & Fluid Machines	Mechanical	McGraw Hill
106	VENKATESH	PRECISION ENGINEERING	Mechanical	McGraw Hill
107	WHITE	FLUID MECHANICS, 6/E (SIE)	Mechanical	McGraw Hill
108	ZEID	CAD/CAM: THEORY AND PRACTICE, 2/E	Mechanical	McGraw Hill
109	JOSHI	RESIDENTIAL COMM AND IND ELE SYS-II		McGraw Hill
110	JOSHI	RESIDENTIAL COMM AND IND ELE SYS-III		McGraw Hill
111	Koontz	Essentials of Management		McGraw Hill

List of E Books - PHI

1	Khan & Khan	Principles of Enzyme Technology •	Chemical/Petro	PHI Learning
2	Ahuja	Introduction to Numerical Methods in Chemical Engineering •	Chemical/Petro	PHI Learning
3	Anantharaman & Sheriffa Begum	Mass Transfer: Theory and Practice •	Chemical/Petro	PHI Learning
4	Halder	Introduction to Chemical Engineering Thermodynamics, 2nd ed. •	Chemical/Petro	PHI Learning
5	Koyikkal	Chemical Process Technology and Simulation •	Chemical/Petro	PHI Learning
6	Krishna Prasad	Enzyme Technology: Pacemaker of Biotechnology •	Chemical/Petro	PHI Learning
7	Narayanan	Textbook of Chemical Engineering Thermodynamics, A, 2nd ed. •	Chemical/Petro	PHI Learning
8	Narayanan & Lakshmikutty	Stoichiometry and Process Calculations, 2nd ed. •	Chemical/Petro	PHI Learning
9	Nath	Membrane Separation Process, 2nd ed. •	Chemical/Petro	PHI Learning
10	Sinha & De	Mass Transfer: Principles and Operations •	Chemical/Petro	PHI Learning
11	Sivasankar	Bioseparations: Principles and Techniques •	Chemical/Petro	PHI Learning
12	Jana	Process Simulation and Control Using ASPEN, 2nd ed. •	Chemical/Petro	PHI Learning
13	Venkataramani, et al.	Process Calculations, 2nd ed. •	Chemical/Petro	PHI Learning
14	Ghosh	Practical Design of Reinforced Concrete Structures •	Civil	PHI Learning
15	Karia & Christian	Wastewater Treatment: Concepts and Design Approach, 2nd ed. •	Civil	PHI Learning
16	Kulkarni & Joshi	Artificial Intelligence: Building Intelligent Systems •	Civil	PHI Learning

17	Saikia, et al.	Elements of Civil Engineering •	Civil	PHI Learning
18	Varghese	Advanced Reinforced Concrete Design, 2nd	Civil	PHI Learning
19	Varghese	Building Construction, 2nd ed. •	Civil	PHI Learning
20	Varghese	Building Materials, 2nd ed. •	Civil	PHI Learning
21	Varghese	Design of Reinforced Concrete Shells and Folded Plates •	Civil	PHI Learning
22	Varghese	Design of Reinforced Concrete Foundations •	Civil	PHI Learning
23	Varghese	Engineering Geology (for Civil Engineers) •	Civil	PHI Learning
24	Varghese	Limit State Design of Reinforced Concrete, 2nd ed. •	Civil	PHI Learning
25	Akerkar	Introduction to Artificial Intelligence, 2nd	Computer/IT	PHI Learning
26	Basu	Parallel and Distributed Computing: Architectures and Algorithms •	Computer/IT	PHI Learning
27	Chopra	Web Engineering •	Computer/IT	PHI Learning
28	Garg & Venkitakrishnan	Enterprise Resource Planning: Concepts and Practice, 2nd ed. •	Computer/IT	PHI Learning
29	Gopalan & Sivaselvan	Data Mining: Techniques and Trends •	Computer/IT	PHI Learning
30	Hand, Mannila & Smyth	Principles of Data Mining	Computer/IT	PHI Learning
31	Kargupta, et al.	Data Mining—Next Generation Challenges and Future Direction	Computer/IT	PHI Learning
32	Kelkar	Software Engineering: A Concise Study •	Computer/IT	PHI Learning
33	Kulkarni, et al. (Eds.)	Big Data Analytics •	Computer/IT	PHI Learning
34	Meena & Sivakumar	Human Computer Interaction •	Computer/IT	PHI Learning

35	Mishra & Chandrasekaran	Theory of Computer Science—Automata, Languages and Computation, 3rd ed. •	Computer/IT	PHI Learning
36	Pattnaik & Rajib Mall	Fundamentals of Mobile Computing, 2nd ed. •	Computer/IT	PHI Learning
37	Rajaraman	Computer Oriented Numerical Methods, 3rd ed.	Computer/IT	PHI Learning
38	Sinha	Distributed Operating Systems: Concepts and Design •	Computer/IT	PHI Learning
39	Vinod Chandra & Hareendran	Artificial Intelligence and Machine Learning	Computer/IT	PHI Learning
40	Bhide	Digital Power System Protection •	Electrical	PHI Learning
41	Bandyopadhyay	Electrical Power Systems: Theory and Practice	Electrical	PHI Learning
42	Deshpande	Design and Testing of Electrical Machines	Electrical	PHI Learning
43	Deshpande	Elements of Electrical Power Station Design	Electrical	PHI Learning
44	Deshpande	Electric Motors: Applications and Control	Electrical	PHI Learning
45	Kothari & Dhillon	Power System Optimization, 2nd ed.	Electrical	PHI Learning
46	Kothari, et al.	Renewable Energy Sources and Emerging Technologies, 2nd ed.	Electrical	PHI Learning
47	Krishnaswamy & Ponni Bala	Power Plant Instrumentation, 2nd ed.	Electrical	PHI Learning
48	Ray	Electrical Power Systems: Concept, Theory and Practice, 2nd ed.	Electrical	PHI Learning
49	Venkatesh, et al.	Electrical Power Systems: Analysis, Security and Deregulation, 2nd	Electrical	PHI Learning
50	Banerjee	Satellite Communication •	EXTC	PHI Learning
51	Chanda & Majumder	Digital Image Processing and Analysis, 2nd ed. •	EXTC	PHI Learning

52	Chattopadhyay	Embedded System Design, 2nd ed. •	EXTC	PHI Learning
53	Chiplunkar & Kotari	VLSI CAD •	EXTC	PHI Learning
54	Joshi	Digital Image Processing—An Algorithmic Approach, 2nd ed. (Forthcoming) •	EXTC	PHI Learning
55	Kumar & Shukla	Wave Propagation and Antenna Engineering •	EXTC	PHI Learning
56	Pal	Microcontrollers: Principles and Applications •	EXTC	PHI Learning
57	Patranabis	Sensors and Transducers, 2nd ed. •	EXTC	PHI Learning
58	Rao	Electromagnetic Waves and Transmission Lines •	EXTC	PHI Learning
59	Rao	Embedded Systems •	EXTC	PHI Learning
60	Sinha & Patel	Medical Image Processing: Concepts and Applications •	EXTC	PHI Learning
61	Vijaychitra	Transducers Engineering •	EXTC	PHI Learning
62	Yadava	Antenna and Wave Propagation •	EXTC	PHI Learning
63	Arora	Refrigeration and Air Conditioning •	Mechanical	PHI Learning
64	Chakrabarti	Casting Technology and Cast Alloys •	Mechanical	PHI Learning
65	Das	Fluid Mechanics and Turbomachines •	Mechanical	PHI Learning
66	Khan & Haque	Manufacturing Sciences •	Mechanical	PHI Learning
67	Mukherjee	Metal Fabrication Technology •	Mechanical	PHI Learning
68	Raghavan	Materials Science and Engineering: A First Course, 6th ed. •	Mechanical	PHI Learning
69	Ravi	Metal Casting: Computer-Aided Design and Analysis •	Mechanical	PHI Learning
70	Singh & Joshi	Mechatronics •	Mechanical	PHI Learning
71	Som	Introduction to Heat Transfer •	Mechanical	PHI Learning
72	Sikdar D.C.	Chemical Process Calculations	Chemical/Petro	PHI Learning

73	Maidargi Suresh C.	Chemical Process Equipment : Design And Drawing (Volume I)	Chemical/Petro	PHI Learning
74	Jana Amiya K.	Chemical Process Modelling And Computer Simulation	Chemical/Petro	PHI Learning
75	Koyikkal Srikumar	Chemical Process Technology And Simulation	Chemical/Petro	PHI Learning
76	Ahuja Pradeep	Introduction To Numerical Methods In Chemical Engineering	Chemical/Petro	PHI Learning
77	Narayanan K. V.	A Textbook Of Chemical Engineering Thermodynamics	Chemical/Petro	PHI Learning
78	Ahuja Pradeep	Chemical Engineering Thermodynamics	Chemical/Petro	PHI Learning
79	Pushpavanam S.	Introduction To Chemical Engineering	Chemical/Petro	PHI Learning
80	Halder Gopinath	Introduction To Chemical Engineering Thermodynamics	Chemical/Petro	PHI Learning
81	Pushpavanam S.	Mathematical Methods In Chemical Engineering	Chemical/Petro	PHI Learning
82	Nath Kaushik	Membrane Separation Processes	Chemical/Petro	PHI Learning
83	Narayanan K. V.|Lakshmikutty B.	Stoichiometry And Process Calculations	Chemical/Petro	PHI Learning
84	Varghese P. C.	Building Materials	Civil	PHI Learning
85	Varghese P. C.	Advanced Reinforced Concrete Design	Civil	PHI Learning
86	Bandyopadhyay J. N.	Design Of Concrete Structures	Civil	PHI Learning
87	Gambhir M. L.	Design Of Reinforced Concrete Structures	Civil	PHI Learning
88	Varghese P. C.	Foundation Engineering	Civil	PHI Learning
89	Varghese P. C.	Building Construction	Civil	PHI Learning
90	Bandyopadhyay M. N.	Electrical Machines: Theory And Practice	Electrical	PHI Learning
91	Bandyopadhyay M. N.	Electrical Power Systems: Theory And Practice	Electrical	PHI Learning
92	Bhattacharyya Mrittunjay	Electrical Machines : Modelling And Analysis	Electrical	PHI Learning
93	Bhide S. R.	Digital Power System Protection	Electrical	PHI Learning

94	De Nisit K.|Sen Prasanta K.	Electric Drives	Electrical	PHI Learning
95	Deshpande M. V.	Electrical Machines	Electrical	PHI Learning
96	Deshpande M. V.	Design And Testing Of Electrical Machines	Electrical	PHI Learning
97	Deshpande M. V.	Elements Of Electrical Power Station Design	Electrical	PHI Learning
98	Deshpande M. V.	Electric Motors : Applications And Control	Electrical	PHI Learning
99	Gupta Manoj Kumar	Power Plant Engineering	Electrical	PHI Learning
100	Paithankar Y. G.|Bhide S. R.	Fundamentals Of Power System Protection	Electrical	PHI Learning
101	Ray Subir	An Introduction To High Voltage Engineering	Electrical	PHI Learning
102	Singh Ravindra P.	Switchgear And Power System Protection	Electrical	PHI Learning
103	Singh S. N.	Basic Electrical Engineering	Electrical	PHI Learning
104	Yogesh M|Nagaraja B.S|Nandan N	Computer Aided Electrical Drawing	Electrical	PHI Learning
105	Anand M. M. S.	Electronic Instruments And Instrumentation Technology	EXTC	PHI Learning
106	Ghosh Arun K.	Introduction To Transducers	EXTC	PHI Learning
107	Mathur Sunil	Microprocessor 8085 And Its Interfacing	EXTC	PHI Learning
108	Mitra Monojit	Satellite Communication	EXTC	PHI Learning
109	Nagrath I. J.	Electronic Devices And Circuits	EXTC	PHI Learning
110	Patranabis D.	Instrumentation And Control	EXTC	PHI Learning
111	Patranabis D.	Principles Of Electronic Instrumentation	EXTC	PHI Learning
112	Pittet André|Kandaswamy A.	Analog Electronics	EXTC	PHI Learning
113	Raj A. Albert|Latha T.	VlSI Design	EXTC	PHI Learning
114	Rao R. S.	Microwave Engineering	EXTC	PHI Learning
115	Ilango S.Soundararajan V.	Introduction To Hydraulics And Pneumatics	Mechanical	PHI Learning
116	Sawhney G. S.	Engineering Mechanics	Mechanical	PHI Learning

List of Reference Books

Sr. No	Author	Title_Name	Publisher	qty
1	Fanchi, J.R.	Introduction to petroleum engineering	Wiley	1
2	Fahim, M.A.	Fundamentals of petroleum refining	Elsevier	1
3	Surinder,Prakash	Refinig processes handbook	Gulf pub.	1
4	Meyers, R.A.	Handbook of petroleum refining processes	MGH	1
5	Mahadevan, U.	Fundamentals of petrochemical engineering	SBS Pub.	1
6	Srivastava	Petrochemical industries Technologies and process	S.K.Kataria	5
7	Lahiri, C.R.	Petrochemical industries Technologies and process	CBS	2
8	Sarkar, G.N.	Advanced petroleum refining	Khanna	5
9	Sarkar, G.N.	Advanced petrochemicals	Khanna	5
10	Bhaskar rao, B.K.	Text on Petrochemicals	Khanna	5
11	Ehlers, E.G.	Petrology : igneous sedimentary and metamorphic	CBS	2
12	Narayanan	Unit operations and unit processes including computer programs vol.I	CBS	2
13	Narayanan	Unit operations and unit processes including computer programs vol.II	CBS	5
14	Mall, I.D.	Petroleum refining technology	CBS	5
15	Miller, G.T.	Chemical reaction engineering	CBS	5

1	Bill Lubanovic	Programming Python 4th edt.	O'Reily	1
2	Christoffer Noring , Deeleman	Learning Angular 2nd edt	PACKT	1
3	Russell Norving	Artificial Intelligence	PHI	1
4	Sinha	Computer Fundamentals		2
5	Om S Trivedi	Information Technology 2nd Edt	LexisNexis	1
6	Nashik Law House	माहिती तंत्रज्ञान अधिनियम 2000	Nashik Law House	1
7	Talukdar	Architecting secure software system	CRC	1
8	Chapple	Cyber war Information Operations in a connecting world	Jones & bartlett learning	1
9	Stewart	Network Security Firewalus & VPN 2nd edt.	Jones & bartlett learning	1
10	Jang	Securuty stratqies in Linux platforms & Application 2nd ed.	Jones & bartlett learning	1
11	Harwood	Security Strategies In web application & Social Networking	Jones & bartlett learning	1
12	Easttom	System forensics Inrestigation of besponse 2nd ed.	Jones & bartlett learning	1

13	David Kim	Fundamentals of Information Systems Security 2nd ed.	Jones & bartlett learning	1
14	Spinello	cyberthics 6th ed.	Jones & bartlett learning	1
15	Dohenthy	Wireless & Mobile Device Security	Jones & bartlett learning	1
16	Smith	Elementry Infoemation Security	Jones & bartlett learning	1
17	Cornez	Android Programming concepts	Jones & bartlett learning	1
18	Jutton	Cyber Security praetitioners Guide	BCS	1
19	Lavington	Alg turing of his contemprares	BCS	1
20	Healey	Disk based algorithms for big data	CRC Press	1
21	Hichalak	Genome analysis in R	CRC Press	1
22	leav	Advances in smart cities	CRC Press	1
23	Bisiett	Automated data analysis using exel	CRC Press	1
24	Somani, A.K.	Big Data analysis : tooly technology for efficing planning	CRC Press	1
25	Pearjon	Exploratory data analysis using r	CRC Press	1
26	Tizhoosh,H.	Machine intelligence	CRC Press	1
27	Alxandro	Machine learning In R	CRC Press	1
28	Soyata, T.	GPU Parallel Program Development Using CUDA	CRC Press	1
29	Beuken, B.	Fundamentals of C/C++ Game Programming: Using Target-based Development on SBCs	CRC Press	1
30	Hao and Y. A. Ryan	Real-World Electronic Voting: Design, Analysis and Deployment	CRC Press	1
31	Belcastro	Student Handbook for discrete mathematics with duks	CRC Press	1
32	Raj, P.	Cloud enterprise architecture	CRC Press	1
33	Wallis, W.D.	Introducation to combinational designs	CRC Press	1
34	Akerkar, R.	Big data computing	CRC Press	1
35	Rovithakis, G.A.	End to end adaptive congestion control in tcp/ip networks	CRC Press	1
36	Nassif, N.R.	Introduction to numerical analysis and scienfic computing	CRC Press	1
37	Bhuyan	Intelligent instrumentation principles and applications	CRC Press	1
38	Raveendranathan	Neuro fuzzy equalizers for mobile cellular channels	CRC Press	1
39	Muller	Bayesian Inference for Gene Expression and Proteomics	Cambridge university press	1

40	Goldreich	Foundation and cryptographic	Cambridge university press	1
41	Goldreich	Foundation and cryptographic vol.2	Cambridge university press	1
42	Gorton	Data intenrive computing	Cambridge university press	1
43	Rao	Brain-Computer Interfacing: An Introduction	Cambridge university press	1
44	Branc	A first course in statistical programming with R	Cambridge university press	1
45	Zhang	R for programmers advanced techiques	CRC Press	1
46	Mddletin	A lislory of cyber seconily atheks	CRC Press	1
47	Chowdhary	Cyber seconily privancy and trust for smart living	CRC Press	1
48	Anne Kohnke, Ken Sigler, Dan Shoemaker	Implementing Cybersecurity: A Guide to the National Institute of Standards and Technology Risk Management Framework	CRC Press	1
49	Benoit Combemale, Robert France	Engineering Modeling Languages: Turning Domain Knowledge into Tools	CRC Press	1
50	Capers Jones	Software Methodologies: A Quantitative Guide	CRC Press	1
51	Mohamed E. Fayad, Huascar A. Sanchez	Software Patterns, Knowledge Maps, and Domain Analysis	CRC Press	1
52	Talukdar Asoke K,Manish Chaitanya	Architecting Secure Software Systems	CRC Press	1

1	Black	Power plant engineering	CBS	1
2	OZA	Power system protection and switchgear	TMH	1
3	Tembine, H.	Distributed strantegic learning for wireless engineering	CRC Press	1
4	Golio, M.	Microwave and RF product applications	CRC Press	1
5	Gibson, J.D.	The communication handbook part	CRC Press	1
6	Godara	Handbook of Antennas in Wireless Communications	CRC Press	1
7	Chen, W.K.	The VLSI Handbook Part-I	CRC Press	1
8	Godara	Smart Antennas	CRC Press	1
9	Ilyas, M.	Handbook of wireless local area network	CRC Press	1
10	Maiti	Strain engineered mosfets	CRC Press	1
11	Berger, L.T.	Mimo power line communications	CRC Press	1
12	Kazmierkowski	Control in power electronics	Alpress	1

13	Helbert, J.N.	Handbook Of VLSI microlith orgaphy	Viva	5
14	Malik, S.C.	Principles of real analysis	Jaico	1
15	George	Digital control system	New academic science	1
16	Ghoshal	**Digital electronics**	Cosmo	5
17	Gupta	Electronic Device and Circuit	Cengage	5
18	Meade	Electronic Device and Circuit	Cengage	5
19	Bensety	Adaptive Signal Processing	Kataria	5
20	Chatterjee	Biomedical Instrumation System	central	5
21	Sharma	Anlog & Digital	Springer (Indian)	5
22	K.D.Prasad	Antenne and wave Progation Prasad	Cen	5
23	Chaudhry	**Fundamentals automatic process control**	Kataria	5
24	Brijesh Iyer and Nagendra Prasad Pathak	Multiband Non-Invasive Microwave Sensor: Design and Analysis	Satya	5
25	Kazmierkowski M.P	Control in Power Electronics	CRC Press	1

1	Uppal, S.L.	Elctrical wiring estimating and costing	Khanna publisher	5
2	Rai, G.D.	Non conventional energy sources	Khanna pub.	5
3	Gupta	Course in electrical installation estimating and costing	S.K. Kataria	5
4	Gupta	A course in electrical Power	S.K. Kataria	5
5	Jain	Bulk electric supply ant distribution	Golgotia	5
6	Sawhney, A.K.	A course in electrical and electronic measurement and in structure	Dhanpat Rai	5
7	Rao, S.	Transmission distribution engineering	Khanna pub.	5
8	Gupta, B.R.	Power system analysis and design	S.Chand	5
9	Chakrabarti	Renewable energy systems	New age	2
10	Kusic	Computer aided power system analysis	CRC India	5
11	Bhimbhra, P.S.	Electrical Machine and Power electronics	TMH	2
12	Ogata, K.	Modern control engineering	PHI	2
13	Nagrath	Control systems engineering	Wiley eastan	2
14	Vedanm subramaniyam	Electrical drives and control	TMH	2
15	Heyatt, G.T.	Electric power quality	Stars in	2
16	Arrilaga, J.W.	Power quality asseserment	John Wiley and sons	2
17	Gupta	Generation of electrical energy	S.Chand	5
18	Mathur	Electrical Machines : An Objective and Viva Voce Approach	CBS	2
19	Shankar, R.	Electrical system designing made simple	Viva	2

20	Kakani, S.L.	Electronic devices and circuits	Viva	2
21	Irkhin, V.Y.	Electronic structure, correlation effects and properies of d- and f-metals and their compounds	Viva	2
22	Shankar, R.	Energy auditing in electrical utilities	Viva	2
23	Sarkar, S.K.	Ad Hoc mobile wireless Networks	CRC Press	1
24	Dujic, D.	Electric multiphase motor drives	CRC Press	1
25	Yang, G.	Modern electric power system operations	CRC Press	1
26	Fang Lin luo	Advanced DC/DC convertes	CRC Press	1
27	Chakraborty,C.	Induction motor drives : principles,control and implementation	CRC Press	1
28	Williamson, S.S.	Electric energy storang systems for transportation electrification	CRC Press	1
29	Oza. B.A.	Power System Protection & Swichgear	TMH	1
30	Ang.S.S	Power System converters	Dekkar	1
31	Shankar R	Electrical System Designing	Viva	1
32	Gupta, B.R	Genration of Electrical enargy	S.Chand	1
33	Dr George G Karady	Electrical Energy Conversion and Transport	Wiley	1
34	Chakrabharti A	Basic Electrical Engineering	TMH	1
35	Cotton H	Electrical Technology - 7th edt	CBS	1
36	Bobrow L.S	Fundamental Electrical Engineering 2nd	Oxford	1
37	Singh S.N	Electrtical Engineering	Pearson	1
38	Sharma D.K	Basic Electrical Engineering and electronics	CBS	1
39	Black Veatch	Power Plant Engineering	CBS	1

1	Chandrasekharam	Low - enthalpay geothermal resources for power generation	Crc Press	1
2	Vignola,F.	Solar and infrared radiation measurements	Crc Press	1
3	Nabil, R.	Introducation to numerical analysis and scientific computing	Crc Press	1
4	Pascual, D.G.	Maintence audits handbook	Crc Press	1
5	Bishop, R.H.	Mechatronic systems, sensors,and actuators : fundamentals and modelling part. I	Crc Press	1
6	Bishop, R.H.	Mechatronic systems, sensors,and actuators : fundamentals and modelling part. II	Crc Press	1
7	Shackeiford, J.F.	Handbook of lubrication and tribology : application and maintenance 2nd ed.	Crc Press	1
8	Yoshizawa, T.	Handbook of optical metrology : principles and application	Crc Press	1

9	Groza, J.R.	Materials processing handbook	Crc Press	1
10	Mukhrjee	Machinery failure analysis HB	Scitcs	1
11	James L Threlkeld	Therma environmental Engineering	Prentic Hall	1
12	Narula G.	Material Science	MGH	1
13	Nayar Ashok	Testing of Metals	MGH	1
14	Smith W.F.	Foundation of Materials Science and Engineering 5th	MGH	1
15	Avner S.H.	Interduction to Physical Metallurgy 2nd	MGH	1
16	Dieter G.E	Mechanical Metallurgy	MGH	1
17	Fontana M.G.	Corrosion Engineering 3rd	MGH	1
18	Jain P.L.	Principles of Foundry Technology 5th	MGH	1
19	Sahoo Mahi	Principles of Metal Casting 3rd	MGH	1
20	Pandey	Modern Mechining Process	MGH	1
21	Loper C.R	Principles of Metal Casting 2nd	MGH	1
22	Mehta N.K.	Metal Cutting and Design of Cutting Tools, Jigs and Fixtures 1st edt	MGH	1
23	Donaldson C.	Tool Design 5th	MGH	1
24	Little Richard L.	Welding and Welding Technology	MGH	1
25	Bohnart E.	Welding Principles and Practices 4th	MGH	1
26	Grant H.E	Jigs and Fixtures : Non Standard Clamping devices	MGH	1
27	Fitzpatrick	Machining and CNC Technology 4th	MGH	1
28	Joshi P.H	Jigs and Fixtures 3rd	MGH	1
29	Hsu Tai-Ran	Mems and Microsystems Design and Manufature	MGH	1
30	FU K.S	Robotics: Control Sensing Vision and Intelligence	MGH	1
31	Hindustan Machine Tools Ltd.	Mechatronics	MGH	1
32	Alciatore D.G	Introduction to Mechatronics and Measurments Systems 4th	MGH	1
33	El-Wakil M.M.	Power Plant Technology	MGH	1
34	Skrotzki B.G.A.	Power Station Engineering and Economy	MGH	1
35	Blank Leland T.	Engineering Economy 7th	MGH	1
36	Joseph Benny	Environmental Studies 2nd	MGH	1
37	Kiely Gerard	Environmental Engineering	MGH	1
38	Iyer P.S.	Operations Research (Sigma Series)	MGH	1
39	Bronson Richard	Schaum's outline of Operations Research 2nd	MGH	1
40	Rao P.N	CAD/CAM	TMH	1
41	Young D.F	Fluid Mechanics	Wiley	1
42	Omkar Singh	Thermal Terbomachine	Wiley	1

43	Gupta	Textbook of Workshop Technology : Manufactring Process	S.Chand	1
44	Srinivasan	Engineering Material and Metallurgy	TMH	1
45	Chapmen	Workshop Technoloody	CBS	1
46	Rao, M.S.R	Nanoscience and Nanotechnology :Fundamentals of Frontiers	Wiley	1
47	Khurmi R.S.	Applied Mechanics and SOM	S.Chand	1

1	Villaverde, R.	Fundamental concepts of earthquake engineering	CRC	1
2	Singh, P.	Engineering and general geology	S.K. Kataria	5
3	Singh	Strength of materials	khanna book	5
4	Garg, S.K.	Irrigation engineering and hydraulic structurs	khanna book	5
5	Krishna murthy	Construction and project management	CBS	1
6	Raju, K.	Design of reinforced contrect structures	CBS	1
7	Bhattacharjee	Concret structurs repair rehabilitional	CBS	1
8	Hota	Practical approach to petrology	CBS	1
9	Panday	Handbook of engineering geology	CBS	1
10	Panday	Handbook of engineering geology for geologists any civil engineering professia	CBS	1
11	Hota	Practical approach to crystallography and mineralogy	CBS	1
12	Gahlot	Fundamentals of reinforced cement concerte designs	CBS	1
13	Ukarande, S.	Strength of materials	ANE Book Pvt.ltd	1
14	Ukarande, S.	Fluid mechanics and hydraulics	ANE Book Pvt.ltd	1
15	Mukhopadhyay, M.	Matrix and finite element analysis of structures with CD	ANE Book Pvt.ltd	1
16	Kumar	Fluid mechanics	ANE Book Pvt.ltd	1
17	Gaylord, E.N.	Design of steel structure	TMH	1
18	Bouwer, H.	Groundwater hydrology	TMH	1
19	Pohl, W.L.	Economic geology principles and practice	Wiley blackwell	1
20	Kulkarni, S.V.	Surveying and levelling vol.I	Standard	5
21	Kulkarni, S.V.	Surveying and levelling vol.II	Standard	5
22	Dana, J.D.	Manual of minerology	Merchant Book	1
23	Umeshwar,P.	Economic geology economic mineral deposi	CBS	1
24	National housing agency	Publing Housing design	NHA	1

25	Mcginley, T.J.	Reinforced concrete	Taylor and francks	3
26	Glover, P.	Building surveying	Taylor and francks	3
27	Muscroft, S.	Plyming	Taylor and francks	3
28	Stark, A.	Introducation to tunnel construcaation	Taylor and francks	3
29	Punmia, B.S.	Soil mechanics and foundation engineering	Laxmi	2
30	Klein	Manual of mineral science	Wiley India	1
31	Newlands	Concrete for hbh performance sustabnable infrastructure	Shroff pub.	1
32	Haribaran	Contanerisation maltimatrx transport and infra dev indik	Shroff pub.	1
33	Al-Saridi	Using primanka 6	Shroff pub.	1
34	Hamad	Using Staad pro 2007	Shroff pub.	1
35	Shivodka	Fundamental skills for building profession	Shroff pub.	1
36	Shivodka	Knowing you words worth	Shroff pub.	1
37	Garg.	Project management handbook	Shroff pub.	1
38	Thirumutry	Principal and environmental science engineering	Shroff pub.	1
39	Croll	Propose prepane present	Shroff pub.	1
40	Shinodkar	Unscramping emails	Shroff pub.	1
41	Rishipas	Business comunication	Shroff pub.	1
42	Ray	Residential interial design for elderly and physically chalenged	Shroff pub.	1
43	Thirumurthy	Principle and environmental science engineering of mangement	Shroff pub.	1
44	Rao	Strangies for improving your busines communication	Shroff pub.	1
45	Rishipal	Business comunication	Shroff pub.	1
46	Ubejd	Structural design of low Rise Building	MGH	1
47	Labi	Introduction to Civil engineering System	Wiley	1
48	Javaid	Draihage System	Intech	1
49	Das	Analysis of Pavemeue Structural	CRC	1
50	Bise	Mining Engineering Analysis	CRC	1
51	Saeid Eslamian	Spons Asia Pacific Construction Costs Handbook 5th edt	CRC	1
52	Dusan Teodorovic	Routledge Handbook of Transportation	CRC	1
53	Kou	Transport phenomena and materials processing	Wiley India	1

54	Bauer, K.W.	City planning for civil engineers, environmental engineering and surveyors	ANE Book Pvt.ltd	1
55	Walkar	Solar energy : technologies and project delivery for buildings	Wiley India	1
56	Bannister	Surveying	Pearson	1
57	Zihai Shi	Crack Analysis in Structural Concrete: Theory and Applications	B.H	1

1	Bhatia, S.C.	Perfumes, Soaps, Detergents and cosmetics vol.I soaps and detergents	CBS	1
2	Brimer, L.	Chemical food safety	Mjdular texts	1
3	Brownell	Process equipment design	Wiley	1
4	Chaudhuri	Fundamentals of Automatic Process Control	CRC	1
5	Christin Wohlfarth	Phase equilibria and Thermodynamic Data of polymer Solution at Evevted Pressures	CRC Press	1
6	Felder	Elementary principles of chemical processes	Wiley	1
7	Finlayson	Introduction to chemical engineering computing	Wiley	1
8	Fox	Fluid mechanics	Wiley	1
9	Goger Lee wabeke	Air Contaminants, ventilation and Industrial hygiene Economics	CRC Press	1
10	Harriot,P	Process Control	TMH	1
11	Hill	Laboratory safety for chemistry stndeep	Wiley	1
12	Hipple, J.	Chemical engineering for Non-Chemical engineers	Wiley	1
13	Hsiesh, W.W.	Machine learning methods in the environmental science	Camberidge	1
14	Incropera	Principles of heat and mass transfer	Wiley	1
15	Incropera	Principles of heat and mass transfer	Wiley India	1
16	Istvan, V.	Noise and vibration control engineering principles and application	Wiley	1
17	Koretsky	Engineering and chemical thermodynamics	Wiley	1
18	Kulkarni, V.A.	Quality control	Wiley	1
19	Kumar	Fundamentals of engineering economics	Wiley	1
20	Meriam	Engineering mechanics : dynamics	Wiley India	1
21	Meriam	Engineering mechanics : statics	Wiley India	1
22	Moran	Introduction to thermal systems engineering	Wiley international	1
23	Mullinger, P.	Industrial and process furnances	Elesvier	1
24	Porter, M.C.	Handbook of industerial membrane technology	Pentagon press	1
25	Rao	Nanoscience and nanotechnology : fundamentals of froniers	Wiley India	1
26	Slowinski, E.J.	Chemical principles in the laboratoury	Cole cengage learning	1

27	Smith	Chemical process design and integration	Wiley India	1
28	Solen	Introduction to chemical engineering : tools for today and tomorrow	Wiley	1
29	Tiwary, A.	Air pollution measurement modelling and mitigation	Routege	1
30	walter M. Wilcox	Quantum Principles & Praticles	CRC Press	1
31	Welty	Fundamentals of momentum, heat and mass transfer	Wiley	1

1	-	Gate2019 :Electrical Engineering	G.K.Pub.	5
2	-	Wiley acing the GATE electrical engineering 2019	Wiley Pub.	2
3	Venkateswarlu	Computer science and information technology : Grauate aptitude test in engineering 2016	MGH	2
4		Gate test series previous year solved papers :computer science and information technology engineering 2019	MGH	2
5	-	Gate 2019 computer science	G.K.Pub.	2
6	-	Wiley acing the gate computer engineering 2019	Wiley Pub	2
7		Gate Electronics and communication engineering: topic wise previous year solved year solved papers 26+Year	MGH	2
8	-	Gate 2019 Electronics of communications	G.K.Pub.	2
9	Kashyap, K.	Electronics and communication engineering for Gate	MGH	2
10	-	Gate :test series pervious year solved papers 2017	MGH	2
11	-	Wiley acing the gate electronics and communication	Wiley pub.	2
12	-	Gate 2019 civil engineering	G.K.Pub.	2
13	-	Wiley acing the GATE civil engineering	Wiley pub.	5
14	-	Gate 2019 mechanical engineering	G.K.Pub.	2
15	-	Wiley acing the GATE mechanical engineering	Wiley pub.	5
16	Slariya, V.	Mechanical engineering for GATE	MGH	2
17		Mechanical engineering :Gate test series previous year solved papers 2017	MGH	2
18		Gate topics-wise previous year solved papers 26+Year	MGH	2
19	-	GATE 2019 Chemical engineering	G.K.Pub.	5
20	-	Wiley acing the gate chemical engineering	Wiley Pub.	5
21	Magoosh	GRE prep	Magoosh	5

22	N/A education testing service	The official guide to the GRE Revised test	ETS	2
23	-	GRE analytical writing solutions to real essay topics Vol.I	Vibrant	5
24	-	GRE analytical writing solutions to real essay topics Vol.II	Vibrant	5
25	-	GRE Flash cards	Manhattan	5
26	-	6 GRE practice test	Barron's	2
27	-	The official guide to the toefl test	ETS	2
28	Matthiesen, S.	TOEFL IBT Superback	Barron's	2
29	Matthiesen, S.	TOEFL IBT prep plus	Kaplan	2
30	Striling, B.	Speaking and writing stratigies for Toefl IBT	Nova	2
31	-	400 must have words Toefl IBT	MGH	2

Format for the submission of Quotation offer is as follows:

INVITATION FOR QUOTATION

TEQIP-III/2018/datu/Shopping/1 **Date:**

To,

Sub: Invitation for Quotations for supply of Goods

Dear Sir,

1. **You are invited to submit your most competitive quotation for the following goods with item wise detailed specifications given at Annexure I,**

Sr. No	Brief Description	Quantity	Delivery Period(In days)	Place of Delivery	Installation Requirement (if any)

2. **Government of India has received a credit from the International Development Association (IDA) towards the cost of the Technical Education Quality Improvement Programme[TEQIP]-Phase III Project and intends to apply part of the proceeds of this credit to eligible payments under the contract for which this invitation for quotations is issued.**

3. **Quotation,**

3.1 The contract shall be for the full quantity as described above.

3.2 Corrections, if any, shall be made by crossing out, initialing, dating and re writing.

3.3 All duties and other levies payable by the supplier under the contract shall be included in the unit price.

3.4 Applicable taxes shall be quoted separately for all items.

3.5 The prices quoted by the bidder shall be fixed for the duration of the contract and shall not be subject to adjustment on any account.

3.6 The Prices should be quoted in Indian Rupees only.

4. Each bidder shall submit only one quotation.

5. Quotation shall remain valid for a period not less than 30 days after the last date of quotation submission.

6. Evaluation of Quotations,

The Purchaser will evaluate and compare the quotations determined to be substantially responsive i.e. which

6.1 are properly signed ; and

6.2 confirm to the terms and conditions, and specifications.

7. The Quotations would be evaluated for all items together.

8. Award of contract:

The Purchaser will award the contract to the bidder whose quotation has been determined to be substantially responsive and who has offered the lowest evaluated quotation price.

8.1 Notwithstanding the above, the Purchaser reserves the right to accept or reject any quotations and to cancel the bidding process and reject all quotations at any time prior to the award of contract.

8.2 The bidder whose bid is accepted will be notified of the award of contract by the Purchaser prior to expiration of the quotation validity period. The terms of the accepted offer shall be incorporated in the purchase order.

9. Payment shall be made in Indian Rupees as follows:

Delivery and Installation - 90% of total cost

Satisfactory Acceptance - 10% of total cost

10. All supplied items are under warranty of 12 months from the date of successful acceptance of items.

11. You are requested to provide your offer latest by 17:00 hours on 30-Mar-2018

12. Detailed specifications of the items are at Annexure I.

13. Training Clause (if any) Training is required

14. Testing/Installation Clause (if any) Testing and Installation is necessary

15. **Information brochures/ Product catalogue, if any must be accompanied with the quotation clearly indicating the model quoted for.**

16. **Sealed quotation to be submitted/ delivered at the address mentioned below,**

Dr B A Tech University, Vidyavihar, Lonere, Mangaon, Raigad, Maharashtra PIN 402103

17. We look forward to receiving your quotation and thank you for your interest in this project.

(Authorized Signatory)

Name & Designation

Annexure I

Sr. No	Item Name	Specifications

FORMAT FOR QUOTATION SUBMISSION

(In letterhead of the supplier with seal)

Date: _____

To:

_____

_____

Sl. No.	Description of goods (with full Specifications)	Qty.	Unit	Quoted Unit rate in Rs. (Including Ex Factory price, excise duty, packing and forwarding, transportation, insurance, other local costs incidental to delivery and warranty/ guaranty commitments)	Total Price (A)	Sales tax and other taxes payable	
						In %	In figures (B)
Total Cost							

Gross Total Cost (A+B): Rs. _____

We agree to supply the above goods in accordance with the technical specifications for a total contract price of Rs. ———————— (Amount in figures) (Rupees ————————amount in words) within the period specified in the Invitation for Quotations.

We confirm that the normal commercial warranty/ guarantee of ——————— months shall apply to the offered items and we also confirm to agree with terms and conditions as mentioned in the Invitation Letter.

We hereby certify that we have taken steps to ensure that no person acting for us or on our behalf will engage in bribery.

Signature of Supplier
Name: _____
Address: _____
Contact No: _____