

GOVERNMENT COLLEGE OF ENGINEERING AND TECHNOLOGY,
CHAK BHALWAL, JAMMU

NOTICE INVITING TENDER

E-NIT NO: 02 of 2020-21 Dated: 20/11/2020

Principal GCET, Chak Bhalwal, Jammu on behalf of Hon'ble Lt.Governor of UT of Jammu & Kashmir invites Tenders by e-tendering mode from registered Members of Federation of Publishers and Book Sellers Association of India for the "Procurement of Technical Books" in Govt. College of Engineering and Technology, Chak Bhalwal, Jammu as per the details given in the tender documents (Tender Form, Terms & Conditions of Tender Notice).

S.No	Particulars of Tender	Approx. cost	Earnest money	Cost of Tender
1	2	3	4	5
1.	Procurement of Technical Books in GCET, at New Campus Chak Bhalwal, Jammu	To be quoted by the contractor	20000/- (twenty thousands) only	Rs.1000/- (Non-Refundable in the shape of Demand Draft only)

The Bidding documents consisting of qualifying information, eligibility criteria, list of items/material and detailed terms and conditions of contract can be seen/downloaded from the **website www.jktenders.gov.in** as per schedule of dates given below:-

1. Date of issue of tender Notice:- **23.11.2020**
2. Period of downloading of bidding documents:- **25.11.2020 from 12.00 noon to 19.12.2020 upto 12.00 PM.**
3. Bid Submission start date:- **25.11.2020 from 12.00 noon**
4. Bid Submission end date:- **19.12.2020 at 2.00 PM**
5. The hard copies of bid will be obtained from the bidder who will be declared L1 after opening of financial bids.
6. Date of opening of Bid online:- **21.12.2020 at 1.00 PM**
7. The tender fee has been fixed as Rs.1000/- to be deposited in **J&K UT Government Treasury Under Head 0202-Other Receipt, Higher Education, 2020-21** which must clearly indicate the name of the firm (depositor), Tender No. and on whose behalf (Principal, GCET, Chak Bhalwal, Jammu) money is paid. Scanned copy of the e-challan or Treasury challan/receipt be uploaded with the tender. The Original e-challan or Treasury challan/receipt be sent by post to the **Government College of Engineering and Technology, Chak Bhalwal, Jammu** along with covering letter in an envelope & should have a card affixed to it duly signed and stamped by the firm indicating (i) Name of the Firm (ii) Tender No **02** Date of opening of tender, before opening of technical bid.

Tenders without stipulated tender fee shall be rejected.

8. Earnest Money Deposit (EMD)

The intending tenderers will have to upload copy of Earnest Money Deposit in the shape of Call Deposit Receipt valid at call or FDR from any Nationalized Bank/UT Owned banks for an amount of Rs.20,000/= (Rs. Twenty Thousand only) Pledged to the Principal, Government College of

Engineering and Technology, Jammu with the tender offer. However, the successful tenderer would have to deposit the document of Earnest Money Deposit (EMD) in original, in the office of the Principal Govt. College of Engineering & Technology, Chak Bhalwal, Jammu before allotment of work. The EMD of successful tenderer will be kept as security money, for due performance of the agreed contract/performance during the contract period and no interest shall be payable by the institute on the EMD deposited by the tenderer.

Tenders without EMD shall be rejected.

9. The Successful tenderer have to deposit **Original** affidavit for Rs. 50/- stamp paper duly attested by first class Judicial Magistrate with the office of the **Principal, Govt. College of Engineering & Technology, Chak Bhalwal, Jammu** before the allotment of work or issuance of supply order with the effect that:-
 - a) The documents/catalogues along with authority letter, etc enclosed with the Tender are genuine and are not tempered or fabricated.
 - b) The firm has not been blacklisted in the past by any Govt./Private institution of the country and there is no vigilance/any other investigating agency case pending against the firm/supplier.
 - c) If anything found wrong at any stage against me/firm, I shall be responsible and deem to any legal action.
10. Complete bidding process will be online. (Price bid not to be submitted in physical form).
11. The Committee will not be held responsible for any delay.
12. The details of cost of documents, EMD specified in the tender documents should be same as submitted online (scanned copies) otherwise bid will not be accepted.

-Sd-
**Principal,
GCET, Jammu.**

No: GCET/Acctts/2020-21/440-45
Dated:- 20.11.2020

Copy to The

1. Commissioner/Secretary to Government Higher Education Department, Civil Secretariat, J&K Jammu for information.
2. Director Finance, Higher Education Department, Civil Secretariat, J&K Jammu for information .
3. Joint Director, Information Department for information and with the request to publish the tender at least in three leading newspapers of National level and UT level preferably Times of India, Daily Excelsior & Greater Kashmir for wider publicity and send the cutting for confirmation.
4. In charge Website, GCET Jammu for information and necessary action.
5. All concerned committee members GCET, Jammu.
6. Office File.

Instruction to bidders regarding e-tendering process:-

1. The interested bidder can download the NIT/bidding document from the website <http://jktenders.gov.in>
2. To participate in bidding process, bidders have to get (DSC) “Digital Signature Certificate” as per Information Technology Act-2000, to participate in online bidding. This certificate will be required for digitally signing the bid. Bidders can get above mentioned digital certificate from any NIC/Govt. approved vendors. The Bidders, who already possess valid (DSC) Digital Signature Certificates, need not to procure new Digital Signature Certificate.
3. The bidders have to submit their bids online in electronic format with Digital Signature. The bids cannot be uploaded without Digital Signature. No Proposal will be accepted in physical form.
4. Bids will be opened online as per time schedule mentioned in the NIT.
5. Before submission of online bids, bidders must ensure that scanned copies of all the necessary documents are attached with bid.
6. The department will not be responsible for delay in online submission of bids, whatsoever reasons may be.
7. All the required information for bid must be filled and submitted online.
8. Bidders should get ready with the scanned copies of cost of documents & EMD as specified in the tender documents. The original papers in respect of cost of documents, EMD and relevant documents be submitted to the Tender Inviting Authority by Registered post/courier as per time schedule specified.
9. The details about cost of documents, EMD specified in the tender documents should be the same, as submitted online (scanned copies) otherwise bid will not be accepted.
10. Bidders are advised to use “My Documents” area in their user on <http://jktenders.gov.in>, e-tendering portal to store important documents like Balance sheet, VAT registration Certificate / Sales Tax Clearance Certificate, ITR, Service Tax Registration certificate (TIN number), and other related documents etc., and attach these certificates as Non Statutory documents while submitting their bids.

11. Bidders are advised not to make any change in BOQ (Bill of Quantities) contents or its name. In no case they should attempt to create similar BOQ manually. The BOQ downloaded should be used for filling the rates inclusive of all taxes and it should be saved with the same as it contains.
12. Bidders are advised to scan their documents at 100 DPI (Dots per Inch) resolutions with Black and White, PDF Scan properly.
13. The guidelines for submission of bid online can be downloaded from the website <http://jktenders.gov.in>.

ADDITIONAL INSTRUCTIONS FOR BIDDERS

1. The tenderer should be a supplier registered with J&K State Govt./Central Govt./Govt. University..
2. The bidders can get registered latest by the last date of submission of tenders.
3. Tenders to be submitted under two cover system.

A) COVER 1st (Technical Cover) should contain.

1. Scanned copy of tender fee.
2. Scanned copy of EMD.

CDR Format:

Received from M/s...ABC...pledged to the Principal, Govt. College of Engineering & Technology, Chak Bhalwal, Jammu.

3. Scanned Copy of an affidavit on Rs.50/- stamp paper duly attested by **Ist Class Judicial Magistrate** with the effect that:-
 - i. The documents/catalogues etc. enclosed with the Tender are genuine and are not tampered or fabricated.
 - ii. The firm has not been blacklisted in the past by any Govt. body/ Private institution of the country and there is no vigilance/any other investigating agency, case pending against the firm/supplier.

- iii. If anything found wrong at any stage against the firm, I/we shall be responsible and deem to any legal action against me/us.

Scanned copies of below mentioned documents shall be loaded in My Document area for bidders.

S.No.	Documents
1.	Scanned copy of Registration certificate with J&K State Govt./Central Govt./Govt. University.
2.	Latest "Sales Tax/VAT Clearance Certificate "issued by competent Authority.
3.	Scanned copy of Tender Fee and EMD.
4.	Scanned copy of PAN Card/TAN No.
5.	Certificate of member of the "Federation of Publishers & Book Sellers Association of India" for Technical Books.
6.	Turn over certificate duly authenticated by the chartered accountant with his original rubber stamp and ink signed signatures.
7.	Copy of latest Income tax return with balance sheet duly authenticated by the chartered accountant with his original rubber stamp and ink signed signatures.

Below mentioned **Original** documents have to be submitted with the office of the **Principal, Govt. College of Engineering & Technology, Chak Bhalwal, Jammu.**

- I. Tender Fee and EMD.
- II. Affidavit.
- III. Original Turnover Certificate from Chartered Accountant supported with copy of balance sheet for the last three years.
- IV. Annexure "A" & "B".

B) COVER 2nd: (Financial Cover)

1. Rates submitted by the bidders in the BOQ (Overall Discount in % BOQ).

Financial bids (Price bid) of only those tenderers shall be opened who qualify in Technical Evaluation report submitted by the experts of respective disciplines.

TERMS & CONDITIONS OF THE TENDER :

1. The tenderer should be registered member of Federation of Publishers & Book Sellers Association of India (Proof to be attached).
2. The offer must be accompanied with earnest money amounting to Rs.20000/ (Rs. Twenty thousand only) in the shape of CDR pledged in favour of the **Principal, Govt. College of Engineering & Technology, Chak Bhalwal, Jammu.**
3. The Tenderer shall carefully examine the terms and conditions, before submitting their tenders online.
4. In case of any authority/ any other document attached found forged/tempered, the firm is likely to face legal action under rules including forfeiture of earnest money.
5. It will be mandatory on the part of the tenderer to ensure that the discount offered is not less than quoted in other Govt. Institutions during the current financial year. If at any stage it is found that the supplier has executed the supplies or has quoted the rates higher than the approved ones, the difference shall be recouped from the supplier and further orders shall be placed on higher discount only.
6. The documents submitted by the firm with the tender form will be opened in the presence of tenderers / firm or their representatives who wants to be present there and the officers opening the tender will sign the tender's price and other important features.
7. The tenderer/ authorized representative should point out to the Chairperson/ Member Secretary of the purchase committee GCET, Jammu, embitterment, if any, before the last date of the submission of the hard copy. Thereafter the tenderer/authorized representative will have no legal right to confer or to represent on one ground or the other.
8. The tenders submitted online by the firms will be opened as notified in the tender notice by the Divisional Level Purchase Committee in the office chamber of the Principal/Member Secretary, GCET, Chak Bhalwal, jammu in the presence of the Tenderers/representatives who wish to remain present in the tender opening process.

9. The supply shall be F.O.R. at Central Library, GCET, Chak Bhalwal, Jammu and no incidental charges shall be levied or charged extra.
10. The supplier has to furnish publisher's price list along with invoices at the time of supply of books enabling the authorities to verify the rates. The bill should be accompanied with price proof wherever the price is not printed on the book
11. Copy of PAN based ITR to be provided with the tender documents.
12. Supply of foreign publications at the GOC/ Bank exchange rate (whichever is lower) shall be executed and attested stamped copy of the GOC/Bank exchange rates certificate be attached. The foreign books available in dual currencies should be billed in the currency by which the converted cost is the lowest in Indian rupees.
13. Original/international standard books of latest edition shall be accepted and no defective/duplicate copies shall be entertained. However, if any such instance comes to the notice, the same shall be returned on the risk and cost of the firm.
14. All supplied books shall bear proper stamp of the supplier.
15. Books shall be supplied to the officer I/C Central Library, GCET, Chak Bhalwal, Jammu. Statement of supply position shall be sent by the firm with a copy to the Accounts Officer, GCET, Chak Bhalwal, Jammu for reconciliation of account.
16. The delivery shall be through Registered/Book Post/Parcel/Courier/ in person on the risk and responsibility of the firm. No postage, Insurance or any other charges, whatsoever, shall be paid extra.
17. Each supplied book should bear the mark and stamp of the original Foreign Publisher/ exclusive agent(s) in India.
18. Any dispute arising out of this shall be referred to the Administrative Department (Higher Education of J&K Govt.), whose decision shall be final and binding upon both the parties.
19. The legal Jurisdiction shall be the Hon'ble Courts of the J&K State at Jammu.
20. The successful tenderer shall be responsible for execution of the supplies strictly in accordance with the contract in full and shall in no case assign or sublet any part thereof. Deviation, if any, can lead to forfeiture of Earnest Money as a whole or even blacklisting of the supplier/ firms/ dealers/ original manufacturers/ publisher.
21. No conditional tender shall be accepted. The committee reserves the right to accept or reject any tender/ quotation without assigning any reasons thereof. The Successful tenderer are bound to stick on the rates once quoted by them and once approved by the committee.

22. The Chairperson of the committee, GCET, Chak Bhalwal, Jammu reserves the right to withdraw / cancel the supply order or part thereof or reject any tender without assigning any reasons.
23. No separate conditions will be accepted and the conditional tenders will be outrightly rejected.
24. The successful tenderer shall have to abide by the standard terms and conditions of the NIT and also as laid down in the J&K Book of Financial rules/ codes and the conditions as per the contract.
25. Any other condition that is not indicated here can be incorporated in the supply order.
26. The firm shall furnish a format dully filled in, the point wise acceptance of the above mentioned terms and conditions.
27. The requirement may increase or decrease as per the requirement of the H.O.D's and also subject to the availability of funds.
28. **All bidders should quote minimum 90% of the books of the total demand, otherwise their bids will not be entertained.**
29. The Tender shall be opened in the presence of Divisional level Purchase Committee at GCET, ChakBhalwal, Jammu.
30. Serial number given in our order list should be mentioned against each item in the bill and for all the further correspondence of the Vendor/Firm/Agency.
31. The payment shall be released after the receipt of books and their verification by the Library Committee.
32. The supplier shall furnish an undertaking to the effect that he has not been declared as defaulter by any University/Institution related to the procurement of books.
33. If the bidder unable to supply the 90% of the total supply order of books their CDR/FDR submitted will be forfeited and will be backlisted and debarred in future participation of this Institute.

UNDERTAKING.

I/We do hereby agree to abide by all the conditions mentioned in the tender documents (All the pages of the documents have been signed by me/us in token of our acceptance of the "Conditions of the contract" and are without any cutting/overwriting).

Sig. & Seal of the Tenderer
along with full Address

Annexure "A"

(TO BE TYPED ON A LETTER HEAD OF THE SUPPLIER)

TENDER FORM FOR _____

- 1. Name, address of the Tenderer.....
- 2. Telephone No.....
- 3. Registration No.....
- 4. Name, Designation, Address of the signing person:
:.....
:.....
:.....
- 5. PAN No. issued by Income Tax Deptt.....
- 6. Demand Draft No.....
- 7. Date of issue.....
- 8. Name of issuing bank:.....
- 9. Any other information:.....

Declaration by the bidder

This is to certify that I/we before signing this tender have read and fully understood all the terms and conditions contained herein and undertake myself / ourselves to abide by terms and conditions.

(Signature & Seal of the tenderer)

**Anne
xure
"B"**

(TO BE TYPED ON A LETTER HEAD OF THE
TENDERER)

**UNDERTAKING / LETTER OF
ACCEPTENCE**

To

The
Princi
pal,
GCET,
Jamm
u.

Subject: Tender for providing_____

Madam,

1. I / we do agree for all clauses, terms and conditions of the tender documents.
2. This is to certify that I/ We before signing the bid have read and fully understood all the terms and conditions and instructions contained therein and undertake myself/ ourselves abide by the terms and conditions.
3. I / we declare that no legal / financial irregularities involving the Proprietor/ Partner of the applicant (s) / firm are pending.
4. I / we declare that our financial position is sound and we are competent to execute the contract.
5. I/ we declare that we will not ask/ expect any financial assistance from the Institution / Govt. of Jammu & Kashmir State.
6. I / we declare that all the documents attached with the tender documents are true and are attested by us only after certifying their genuineness.
7. I/we will execute the supplies strictly in accordance with the approved samples, if approved in our favour.
8. I/We declare that we will supply 90% of the books mentioned in the list uploaded/attached.

In acceptance (Signature & Seal of the
tenderer)

LIST OF BOOKS OF COMPUTER DEPARTMENT

<u>S.NO.</u>	<u>VENDOR NAME</u>	<u>TITLE OF BOOK</u>	<u>NAME OF THE AUTHORS</u>	<u>EDITION</u>	<u>QTY (Nos.)</u>
1	Wiley Eastern	Research Methodology	C.R. Kothari,	2020 or Latest	8
2	Himalaya Publication, Bombay	Formulation of Hypothesis	Willkinson K.P, L Bhandarkar	2020 or Latest	6
3	EMC Corporation	Information Storage and Management: Storing, Managing, and Protecting Digital Information	Wiley	2020 or Latest	8
4	Tata McGraw Hill	Building Storage Networks	Marc Farley	2020 or Latest	6
5	Universities Press	Fundamentals of Computer Algorithms	Ellis Horowitz and Sartaj Sahni	2020 or Latest	8
6	Prentice-Hall	Introduction to Algorithms	Thomas H. Cormen, Charles E. Leiserson, Ronald L. Rivest, Clifford Stein,	2020 or Latest	6
7	Pearson Education	Distributed Systems: Principles and Paradigms	Tanenbaum A.S., Van Steen M	2020 or Latest	8
8	Prentice-Hall	Distributed Operating Systems: Concepts and Design	Pradeep K Sinha	2020 or Latest	6
9	McGraw-Hill Higher Education	Communication Network	Alberto Leon Garcia and IndraWidjaja.	2020 or Latest	4
10	O'Reilly Media	SDN: Software Defined Networks, An Authoritative Review of Network Programmability Technologies	Thomas D. Nadeau, Ken Gray	2020 or Latest	8
11	Pearson Education	Artificial Intelligence: A Modern Approach	Stuart Russell and Peter Norvig	2020 or Latest	8
12		Artificial Intelligence: Strategies and techniques for complex problems solving	George Luger, Addison-Wesley	2020 or Latest	6
13	John Wiley & Sons	Software Testing And Quality Assurance-Theory and Practice	KshirasagarNakPriyadarshiTripathy	2020 or Latest	3
14	CRC Press Cryptography	Introduction to Modern Cryptography	Jonathan Katz and Yehuda Lindell	2020 or Latest	3
15	Tata McGraw Hill	Mastering Cloud Computing	Rajkumar Buyya , Christian Vecchiola, S ThamaraiSelvi	2020 or Latest	5
16	ArshdeepBahga, Vijay Madiseti	Internet of Things – A hands-on approach	Universities Press	2020 or Latest	5

17	Manning Publications	Hadoop in Action	Chuck Lam	2020 or Latest	3
18	Prentice Hall of India	System Simulation with Digital Computer	N.Deo	2020 or Latest	3
19	TMH	Fundamentals of Mobile and Pervasive Computing	Sandeep K Gupta, Frank Adelstein, Golden G. Richard, Loren Schwiebert	2020 or Latest	3
20	Pearson Education	Digital Image Processing	Rafael C. Gonzalez & Richard E. Woods	2020 or Latest	5
21	Prentice Hall	Security in Computing	Charles P. Pfellger	2020 or Latest	3
22	Focal Press, UK	Multimedia and Communication Systems'	Steve Heath	2020 or Latest	3

Total =118

LIST OF BOOKS OF E&C ENGINEERING DEPARTMENT
(Semester-I)

Sr. No	Name of the book	Name of the Author/Publisher	Qty
01	Digital Communication	JG Proakis & M Salehi,	05
02	Digital Communication”,	Simon Haykins, John Wiley & Sons	05
03	Principle of Communication systems	Taub & Schilling, Tata Mc Graw Hill	02
04	Digital Communications: Fundamentals and applications	Bernard Sklar, Prentice Hall Publications	05
05	An Engineering Approach to Digital Design	William I Fletcher, PHI.	05
06	Logic and Computer Design Fundamentals	Morris Mano and Charles R. Kime.	05
07	Microcontrollers (Theory and Applications)	Ajay V. Deshmukh	05
08	An Embedded System	Primer David E. Simon	05
09	Embedded System Design	Steve Heath	05
10	PIC Microcontroller	John B. Peatman	05
11	ARM system architecture	Steve Furber, Addison Wesley	05
12	Programming Embedded System in C/C++	M. Barr	05
13	ARM System Developer’s Guide Designing and Optimizing System Software	Morgan Kaufman Publication	03
14	Embedded Systems	Raj Kamal	05
15	Wireless Sensor Networks	Heath, S.	03
16	Embedded Systems Design, Elsevier Science	Andrew N. Sloss.	05
17	Research Methodology	C.R. Kothari, Wiley Eastern.	05
18	Research in Education	John W Best and V. Kahn, PHI Publication	05
19	Research Design,	John W. Creswell. Sage Publications, New Delhi, Third Edition, 2009.	05

20	CMOS Digital Integrated Circuits-Analysis & Design	by S.M. Kang & Y. Leblibici, TMH.	01
21	Physics of Semiconductor Devices	S.M. Sze, Wiley Pub.	05
22	Solid State Electronic Devices	B.G. Streetman & S. Banerjee, PHI.	05
23	Computer Simulation of Electronic Circuits	R. Raghuram, Wiley Eastern Ltd.	05
24	Mobile Communications	Jochen Schiller, Pearson Education	05
25	Mobile and Personal Communication-System and Services	Raj Pandya, PHI	03
26	Wireless Communications and Network	W. Stallings, Pearson Education	05
27	Wireless Communications: Principles & Practice	T.S. Rappaport,	05
28	Digital Integrated Circuit: a design perspective	J.P. Radaey, AP Chandra Kasan, B Nikolic, Prentice Hall Electronics and VLSI Series	05
29	CMOS Logic Circuit Design	Uyemera, Springer India Pvt. Ltd. New Delhi	01
30	Neural Networks and Learning Machine	Simon Hykin, Prentice Hall of India 2010	05
31	Fundamental of Neural Networks	Laurene Fausett, Pearson, 6 th Impression 2011	05
32	Pattern Classification	Duda, Richard, Peter Hart, Pattern Classification and David Stork New York	05
33	A Verylog HDL Primer	J. Bhaskar Star Galaxy Press	05
34	A Guide to Digital Design and Synthesis	Samir Palnitkar, Prentice Hall	05
35	Optical Fiber Communication	Gerd Keiser, Third Edition, Mc Graw Hill	05

(Semester-II)

Sr. No	Name of the book	Name of the Author/Publisher	Qty
01	From Machine-to-Machine to the Internet of Things: Introduction to a New Age of Intelligence”,	Jan Holler, VlasiosTsiatsis, Catherine Mulligan, Stefan Avesand, Stamatis Karnouskos, David Boyle.	05
02	Internet of Things (A Hands-on Approach)	Vijay Madisetti and ArshdeepBahga, 1st Edition, VPT, 2014	05
03	Rethinking the Internet of Things: A Scalable Approach to Connecting Everything	Francis da Costa, 1st Edition, Apress Publications, 2013	02
04	Getting Started with the Internet of Things	CunoPfister, O “Reilly Media, 2011, ISBN: 978-1-4493- 9357-1	05
05	Digital Signal Processing	Saliahanan, Vallavaraj and Gnanapriya, Tata McGraw Hill.	05
06	Digital Signal Processing: Principles, Algorithms and Applications	J.G. Proakis and D.G. Manolakis, Pearson Education	05
07	Signals and Systems	Alan V. Oppenheim and Alan S. Wilsky, PHI	05
08	Digital Signal Processing: A practical approach	Ifeacher, and Jervis, Pearson Education	05
09	Digital Signal Processing: A computer-based approach	S.K. Mitra, Tata McGraw Hill.	05
10	Digital Signal Processing	J.S. Chitode, Technical Publications.	05
11	Stripline- Loke Transmission lines for MICS	B. Bhat & S. koul, John Wiley	05
12	Microwave integrated Circuit	Y.Konishi, Marcel Dekker	05
13	Microwave Circuit Analysis and Amplifier Design	S.Y.Liao, PHI	03
14	RF Micro-Elements	B.Razavi, PHI	05

15	CMOS Digital Integrated Circuits-Analysis & Design	S.M. Kang & Y. Leblibici, TMH.	05
16	Digital Integrated Circuits Design	J.M. Rabey, Pearson Education.	05
17	Principles of CMOS VLSI Design: A System Perspective	NHE Weste& K. Eshraghian, McGraw Hill Pub.	05
18	Solid State Electronic Devices	B.G. Streetman & S. Banerjee, PHI.	05
19	Digital Integrated circuits: A design perspective	J P Rabaey, A P Chandrakasan, B Nikolic,Prentice Hall electronics and VLSI series.	05
20	CMOS Logic Circuit Design by	Uyemera, Springer India Pvt. Ltd. New Delhi.	01
21	Neural Networks and Learning Machines	Simon Hykin, Prentice Hall of India (2010)	01
22	Fundamentals of Neural Networks	Laurene Fausett, Pearson, Sixth impression (2011)	05
23	Pattern Classification	Duda, Richard, Peter Hart, and David Stork, New York, NYWiley-Interscience (2000).	05
24	The Designer's Guide to VHDL	Peter J. Ashenden, Morgan Kaufmann Publishers	01
25	A Verilog HDL Primer	J. Bhasker, Star Galaxy Press.	05
26	Verilog HDL	A Guide to Digital Design and Synthesis by Samir Palnitkar, Prentice Hall.	05
27	Optical Fiber Communications	Gerd Keiser, third edition, Mc Graw Hill	05
28	Fiber optic communication technology	D.F Mynbaev and L. Scheiner, Pearson Education	05
29	Fiber optic communication systems	Govind P. Agrawal, third edition, Wiley India	05
30	Fiber Optic Communications: Fundamentals and Applications	Shiva Kumar, M. Jamal Deen, Wiley Publication	01
31	Optical wireless communications: system and channel modeling with	Z. Ghassemlooy, W. Popoola, S. Rajbhandari, CRC Press.	01

	MATLAB		
32	Wireless Sensor Network: Technology, Protocols and Application	Kazem, Sohraby, Daniel Minoli, TaiebZanti, John Wiley and Sons 1st Ed., 2007 (ISBN: 978-0-471-74300-2)	05
33	Protocols and Architectures for Wireless Sensor Networks	Holger Karl and Andreas Willey, John Wiley & Sons, Ltd, 2005	05
34	Wireless Sensor Network Designs	Anna Ha'c, John Wiley & Sons Ltd.	01
35	Digital Image Processing	Rafael C. Gonzalez & Richard E. Woods, Pearson Education.	05
36	Computer Vision: A Modern Approach	David A. Forsyth, Jean Ponce Prentice Hall	05
37	Fundamental of Digital Image Processing	A.K. Jain, PHI	05
38	SI Technology	VL S.M. Sze, TMH.	01
39	VLSI Fabrication Principles	S.K. Gandhi, John Willey& Sons.	05
40	Modern VLSI Design	W. Wolf, Pearson	01
41	Silicon VLSI Technology: Fundamentals, Practice and Modeling	James D. Plummer, Pearson Education,2000	05
42	The Science and Engineering of Microelectronic Fabrication	Stephen A. Campbell, Oxford University Press	01
43	ULSI Technology	C.Y. Chang & S.M. Sze McGraw Hill ,1996	01

Total Sem-I+Sem-II=158+170=328

LIST OF BOOKS OF MECHNICAL ENGINEERING DEPARTMENT

S.No.	Name of the Book	Name of the Author/s	Edition	No. of copies required
1.	Research Design: Qualitative, Quantitative, and Mixed Methods Approaches	John W. Creswell	2020 or latest	04
2.	Qualitative Research: A Guide to Design and Implementation	S. Haran B. Merriam & Elizabeth J. Tisdell	2020 or latest	03
3.	Qualitative Inquiry and Research Design: Choosing Among Five Approaches	John W. Creswell	2020 or latest	05
4.	Handbook for Mechanical Maintenance Engineers	Jnyani R. Mahato	2020 or latest	06
5.	An Operational Research Investigation into Maintenance Decisions	A K Jardine	2020 or latest	04
6.	Maintenance Engineering and Management	Venkataraman	2020 or latest	04
7.	Maintenance Engineering and Management	Mishra R C	2020 or latest	04
8.	3D Printers and Additive Manufacturing, The rise of industry 4.0	Marlon Wesley Machado Cunico	2020 or latest	06
9.	Rapid Manufacturing	Filham D. T & Dinjoy S.S	2020 or latest	03
10	Rapid Prototyping Materials	Gurumurthi	2020 or latest	06
11	Automation, Production Systems and Computer integrated Manufacturing	MP. Groover	2020 or latest	03
12	Flexible Manufacturing System	H. K. Shivanand	2020 or latest	06
13	Quality Control and Industrial Statistics	A J Duncan	2020 or latest	05
14	Statistical Quality control	R.C. Gupta	2020 or latest	02
15	Reliability Mathematics	B.L. AmsTadter	2020 or latest	03
16	Maintenance Engineering and Management	R.C.Mishra, K.Pathak	2020 or latest	06

17	A text book on INDUSTRIAL TRIBOLOGY	Arun Kumar	2020 or latest	03
18	Tribology Friction and Wear of Engineering Materials	Ian Hutchings & Philip Shipway	2020 or latest	03
19	Introduction to Tribology Bearings	Mujumdar B. C	2020 or latest	04
20	Industrial Tribology - Tribology failures and their analysis	Dr. B.S. Prabhu	2020 or latest	04
21	Quantitative Techniques in management	Vohra, N.D	2020 or latest	03
22	Operations Research	Hira D.S & Gupta P.K	2020 or latest	03
23	Quantitative Methods	Ahuja, K.K	2020 or latest	03
24	Artificial Intelligence - A Modern Approach	Stuart Russell & Peter Norvig	2020 or latest	02
25	Modern Machining Processes	Shan and Pandey	2020 or latest	03
26	Non Conventional Machining	P.K Mishra	2020 or latest	03
27	Materials Science and Engineering	William D. Callister	2020 or latest	03
28	3D Printing and Additive Manufacturing: Principles & Applications	Chua Chee Kai, Leong Kah Fai	2020 or latest	02
29	Principle of Machine Tools	Sen & Bhattacharya	2020 or latest	03
30	Process and Product Optimization Using Designed Experiments	Myres R.H. and Montgomery D.C	2020 or latest	03
31	Numerical Control and CAM-Pressman	R.S. & Williams	2020 or latest	04
32	CAD/CAM	Groover, M.P. & Zimmer	2020 or latest	06
33	Computer Control of Manufacturing system	Koren	2020 or latest	04
34	Industrial Automation & Robotics	A.K Gupta & S.K Arora	2020 or latest	03
35	Mechatronics System Design	DevdasShetty & Richard A Kolk	2020 or latest	02

Total Mechanical Engg. Books = 131

Total No of Books

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|----------------------------------|------------|
| 1) Computer Engineering | 118 |
| 2) E&C Engineering | 328 |
| 3) Mechanical Engineering | 131 |

Total = 577