



**M. L. V. Textile & Engineering College, Bhilwara
(RAJASTHAN)**

(An autonomous institute of Government of Rajasthan under the aegis of MLVTI Society)



July 2021

M. L. V. Textile & Engineering College

Pur Road, Pratap Nagar, Bhilwara – 311 001 (Rajasthan)

www.mlvtec.in

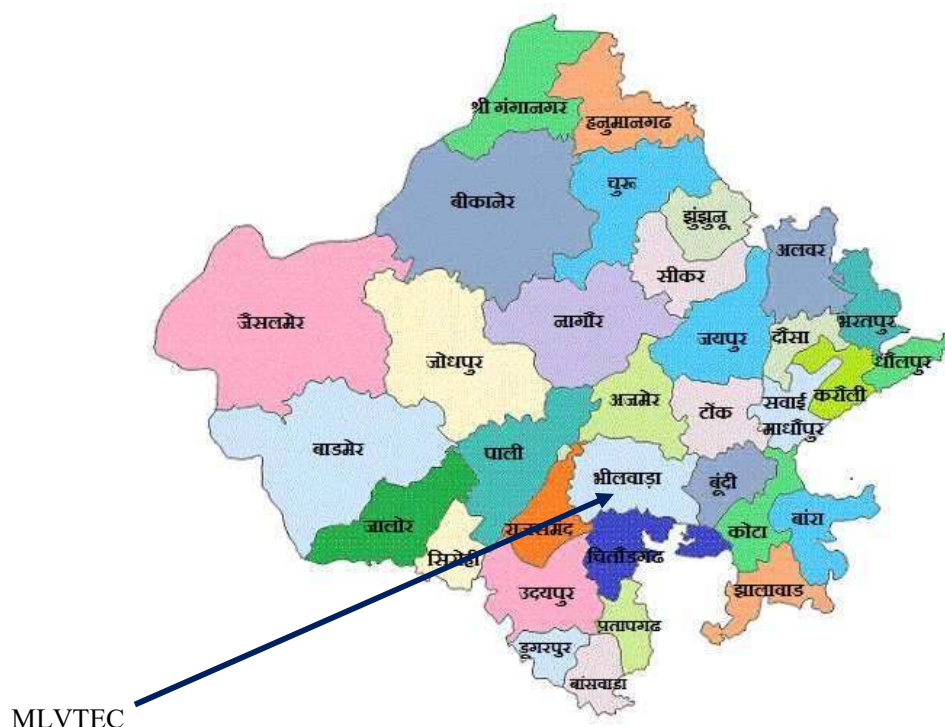
Phone No. +91-1482-240393

Email: principal@mlvti.ac.in

MANDATORY DISCLOSURE

I. NAME AND ADDRESS OF THE INSTITUTION

Name	M. L. V. Textile & Engineering College, Bhilwara	
Address	Permanent location as approved by AICTE	Temporary location (if applicable)
	Pur Road, Pratap Nagar	--
Village	Bhilwara	--
Taluka	Bhilwara	--
District	Bhilwara	--
PIN Code	311 001	--
State	RAJASTHAN	--
STD Code	01482	Phone: 240393
Fax. No.	--	Email: principal@mlvti.ac.in
Web Site	https://www.mlvtec.in	
Nearest Railway Station	Bhilwara	Distance in KMs (towards) 2 KMs
Nearest Airport	Dabok, Udaipur	Distance in KMs (towards) 150 KMs



MLVTEC

II. NAME AND ADDRESS OF THE DIRECTOR/PRINCIPAL

Name	Dr. Dharendra Kumar Sharma
Date of Birth	12.01.1964
Office Address	M. L. V. Textile & Engineering College, Pur Road, Pratap Nagar, Bhilwara – 311 001 (INDIA)
Academic qualifications (With field of specialization)	B. Text., M. Text. (Textile Technology), Ph.D. [Spinning and Textile Testing]
Details of Experience (Academic/Industrial)	Academic 28 Years Industrial: 05 Years
Date of Appointment in the present position	11.06.2020

III. NAME OF THE AFFILIATING UNIVERSITY

Name	Rajasthan Technical University (RTU), Kota		
Address	Akelgarh, Rawatbhata Road, KOTA (Rajasthan)		
PIN Code	324 010	Period of affiliation	2020-21
STD Code	0744	Phone No.	2473003
Fax No.	2473003	Website	www.rtu.ac.in

IV. GOVERNANCE

The College is an autonomous institute of Government of Rajasthan under the aegis of Manikya Lal Verma Textile Institute Society Bhilwara (a society registered under 'Societies Registration Act 1958' of Government of Rajasthan with registration number 72/Bhilwara/1989 Dated 19.12.1989). It is governed by the Board of Governors (As per UGC guidelines*) constituted by the Technical Education Department, Government of Rajasthan, Jaipur. The constitution of Board of Governors is as follows:

1.	Minister for Technical Education, Government of Rajasthan (Ex-officio)	President
2.	Educationist/ Industrialist/Professional (Nominated by the State Government)	Chairman
3.	Educationist/ Industrialist/Professional (Nominated by the State Government)	Member
4.	Educationist/ Industrialist/Professional (Nominated by the State Government)	Member
5.	Faculty of the College (Nominated by the Principal based upon seniority)	Member
6.	Faculty of the College (Nominated by the Principal based upon seniority)	Member
7.	Eminent Educationist (Nominated by the Principal based upon seniority)	Member

8.	UGC Nominee (Nominated by UGC)	Member
9.	State Government Nominee (Nominated by the State Government)	Member
10.	Finance Department Nominee (Nominated by the State Government)	Member
11.	University Nominee (Nominated by University)	Member
12.	Principal/Director of the College Ex-officio	Member Secretary

The tenure of all the members is 2 years from the date of nomination except for UGC nominee whose tenure is for 6 years from the date of nomination.

The tenure of Ex-officio members is up to the date they continue in the office.

* Presently the college is one of the beneficiary institutions of Rajasthan under “Technical Education Quality Improvement Program (TEQIP) - III”, a program of Ministry of Human Resource Development, Government of India sponsored by the World Bank.

V. ORGANIZATION CHART AND PROCESSES

(1) Nature and extent of involvement of faculty and students in academic affairs/improvements

All the academic activities are managed through seven departments viz. Textile Technology, Textile Chemistry, Textile Engineering, Information Technology, Electronics & Communication Engineering, Information Technology and Basic & Applied Sciences. Departments are headed by senior faculty members. The interaction of teachers and students is the part of teaching. The faculty members covers the course contents of the subjects assigned to them in time and sometimes prove additional contents in the emerging areas of engineering and technology. Remedial classes for the students lagging in some subjects are also arranged. In order to ensure full strength in the classes, 75% attendance is compulsory for appearing in university main examinations. A continuous study and evaluation in each semester is ensured by two mid-term tests and assignments. Apart from this, the faculty member motivate the students for utilizing the most of their tenure in the college by participating in co-curricular and extra-curricular activities.

(2) Mechanism/Norms and procedures for democratic/good governance

The democratic governance of the college is implemented at each stage in framing the major policy and broad guidelines. The Board of Governors is the supreme policy making body of the college. It consists of twelve members from state government, industries, academia and college itself. The decisions are normally taken by majority. The policies are executed through the Principal/Director. Agenda of the meeting is prepared in consultation of all the Heads of Departments and Officer-in-charges of

various sections. Each agenda item of the meeting is discussed at length where all the members are given opportunity to express their views with regard to implementation of the policy, which gives them a sense of belongingness and commitment towards holistic development of students and college.

(3) Student feedback on Instructional governance/Faculty performance

Student feedback on instructional governance is followed through the HOD concerned and faculty by discussing with the students about working environment, the areas of improvement and weaknesses. The feedback of the students is communicated to the head of institution and the same is discussed in various implementing cells and departments.

Blind feedback of students for the syllabus covered in the classes, level of understanding of the subject being taught is taken at the end of each semester and reviewed. Corrective measures are taken accordingly. The faculty members are encouraged as per their strength, and motivated to make thorough study of the subject and improving the way of delivery by making it more interesting and easy approach.

(4) Grievance redressal mechanism for faculty, staff and students

In the college, environment has been created wherein faculty, staff and students can express their grievances freely. Faculty is free to discuss their grievances with the Principal and concerned HOD. The Principal takes care of their grievances and addresses to the possible extent within the rules to their level of satisfaction.

VI. PROGRAMS

S. No.	Name of Program	Number of seats		Course duration
		GAS	SFS	
Undergraduate programs (B. Tech.)				
1.	Textile Technology	60	60	4 Years
2.	Textile Chemistry	20	20	4 Years
3.	Textile Engineering	--	40	
4.	Information Technology	--	60	4 Years
5.	Electronics & Communication Engg.	--	60	4 Years
6.	Mechanical Engineering	--	60	4 Years
Total		80	260	380
Post graduate program (M. Tech.)				
7.	Textiles	--	18	2 Years
Doctoral program (Ph.D.)				
8.	Textiles	--	10	5 Years

VII. PLACEMENT FACILITY

Training & Placement cell looks after and facilitates the graduating students for their in-plant training as well as placement in leading companies in the country. The cell is headed by a full-time Training & Placement Officer and assisted by six faculty members one each

from six academic departments. One dedicated supporting employee is also provided for clerical assistance. Group of students who get placement on day-zero work day and night for remaining students and help the cell for its activities.

Course-wise total number of students placed through T&P cell, on-campus as well off-campus for the last three academic years is listed as follows:

Year	Discipline	Total number of students passed out	Total number of eligible students	Total number of students placed through T&P Cell
2017 – 18	Textile Technology	136	86	86
	Textile Chemistry	48	38	38
	Textile Engineering	10	07	07
	Information Technology	40	28	08
	Electronics & Comm. Engg.	54	35	02
	Mechanical Engineering	70	39	05
	Total	358	232	146
2018 – 19	Textile Technology	135	97	97
	Textile Chemistry	45	26	25
	Textile Engineering	09	04	04
	Information Technology	61	40	11
	Electronics & Comm. Engg.	53	25	03
	Mechanical Engineering	73	40	05
	Total	376	232	145
2019 – 20	Textile Technology	125	88	58
	Textile Chemistry	33	20	15
	Information Technology	58	38	12
	Electronics & Comm. Engg.	34	16	01
	Mechanical Engineering	54	26	05
	Total	304	184	91
2020-21	Textile Technology	139	83	60
	Textile Chemistry	36	18	12
	Information Technology	61	51	34
	Electronics & Comm. Engg.	23	9	5
	Mechanical Engineering	57	7	3
	Total	317	168	114

(2) Details of companies/industries, which visited the college for placement since last three academic years (including off-campus companies through virtual interactions)

S. No.	Name of Company/Industry
Textile Technology / Textile Engineering	
1.	Vardhman Group, Ludhiana (Punjab)
2.	Trident Group, Bhopal (Madhya Pradesh)&Ludhiana (Punjab)
3.	Reliance Industries Ltd., Ahmedabad (Gujarat)
4.	Voltas Limited, Coimbatore (Tamilnadu)
5.	Raymond India Limited, Yavatmal (Karnataka)
6.	Siyaram Silk Mills, Mumbai (Maharashtra)
7.	Welspun India Limited, Vapi (Gujarat)
8.	LNJ Bhilwara Group
9.	Vardhman Polytex (Oswal Group)
10.	Birla Textile Mill, Bhiwani (Haryana)
11.	Nahar Group, Lalru (Punjab), Mandideep (Madhya Pradesh)
12.	JBF Filament, Silwasa (Dadra & Nagar Haveli)
13.	Jayshree Textiles, Kolkata (West Bengal)
14.	Spentex Limited (Indorama), Pithampur (Madhya Pradesh)
15.	Arti International, Ludhiana (Punjab)
16.	Ginni International, Neemrana (Rajasthan)
17.	GPI Textile Mills Limited, Nalagarh (Himachal Pradesh)
18.	Sutlej Textile Industries Ltd., Mumbai
19.	Ashima Textiles Ltd., Ahmedabad (Gujarat)
20.	DCM Shriram, Kota (Rajasthan)
21.	Vinayak Textile Mills, Ludhiana (Punjab)
22.	Nitin Spinners Ltd., Bhilwara (Rajasthan)
23.	Blackberry's Ltd., Delhi (NCT)
24.	Winsome Textile Industries Limited, Solan (HP)
25.	Donear Industries Limited, Surat (Gujarat)
26.	Birla Cellulosic, Bharuch (Gujarat)
27.	Mafatlal Industries Limited, Mumbai (Maharashtra)
28.	Bhaskar Industries Private Limited, Bhopal (Madhya Pradesh)
29.	Blue Blends Ltd., Ahmedabad (Gujarat)
Textile Chemistry	
1.	Vardhman Group, Ludhiana (Punjab)
2.	Nahar Group, Lalru (Punjab), Mandideep (Madhya Pradesh)
3.	Vardhman Polytex (Oswal Group)
4.	Welspun India Limited, Vapi (Gujarat)
5.	LNJ Bhilwara Group
6.	Raymond India Limited, Yavatmal (Karnataka)
7.	Siyaram Silk Mills, Mumbai (Maharashtra)
8.	Birla Textile Mill, Bhiwani (Haryana)

9.	Jayshree Textiles, Kolkata (West Bengal)
10.	Siyaram Silk Mills, Mumbai (Maharashtra)
11.	Sutlej Textile Industries Ltd., Mumbai
12.	Cintex Exports Ltd., Ludhiana (Punjab)
13.	Donear Industries Ltd., Surat (Gujarat)
14.	Blue Blends Ltd., Ahmedabad (Gujarat)
15.	Ginni International, Neemrana (Rajasthan)
Information Technology	
1.	Metacube Software, Jaipur (Rajasthan)
2.	Mother-Son Sumi Software, Bangalore (Karnataka)
3.	CDAC, NOIDA (Uttar Pradesh)
4.	Ready Bytes Software Labs, Bhilwara (Rajasthan)
5.	Happiest Mind, Bangalore (Karnataka)
6.	Sybase, Pune (Maharashtra)
7.	Nihilant Technologies, Pune (Maharashtra)
8.	Tekpalette Software Company, Bhilwara (Rajasthan)
9.	HP, Bangalore (Karnataka)
10.	Tech Mahindra, Pune (Maharashtra)
11.	Persistent Technologies, Pune (Maharashtra)
12.	SOLAR Group
Electronics & Communication Engineering	
1.	Metacube Software, Jaipur (Rajasthan)
2.	Mother-Son Sumi Software, Bangalore (Karnataka)
3.	CDAC, NOIDA (Uttar Pradesh)
4.	Ready Bytes Software Labs, Bhilwara (Rajasthan)
5.	Happiest Mind, Bangalore (Karnataka)
6.	Sybase, Pune (Maharashtra)
7.	Nihilant Technologies, Pune (Maharashtra)
8.	Tekpalette Software Company, Bhilwara (Rajasthan)
9.	HP, Bangalore (Karnataka)
10.	Tech Mahindra, Pune (Maharashtra)
11.	Persistent Technologies, Pune (Maharashtra)
12.	SOLAR Group
Mechanical Engineering	
1.	Arvind Mills, Ahmedabad (Gujarat)
2.	ZeroQ Solutions,
3.	Vodafone Bengaluru
4.	SOLAR Group

- (3) Name and duration of programme(s) having affiliation/collaboration with Foreign University(s) and being run in the same campus along with status of their AICTE approval. If there is any foreign collaboration, give the following details:**

--- NIL ---

VIII. FACULTY

(1) Number of faculty employed and left during the last three years

Information about stability of the faculty (separately for each programme)

All the contractual faculty members were appointed by National Project Implementation Unit (NPIU), New Delhi under Technical Education Quality Improvement Program (TEQIP) – III who joined the College in 01/01/2018 and later in subsequent months/years.

S. No.	Program	Regular	Contractual	
			Appointed	Left
1.	Textile Technology	No regular appointments during last three years (Three faculty members retired)	01	--
2.	Textile Chemistry		02	01
3.	Textile Engineering		01	--
4.	Information Technology		06	02
5.	Electronics & Comm. Engg.		04	01
6.	Mechanical Engineering		04	--
7.	Basic & Applied Sciences		05	02
Total			23	06

(2) Details of programme wise faculty members

Next sheet

(1) Textile Technology

S. No.	Name	Designation	Qualifications with field of specialization			Date of Birth	Experience (in years) (A) Teaching, (B) Industrial, (C) Research / Other (As on 30/06/2021)			Date of Joining
			UG	PG	Doctoral		(A)	(B)	(C)	
Regular										
1.	Dr. Dharendra Kumar Sharma	Associate Professor	B. Text.	M. Text.	Ph.D.	12/01/64	28	05	--	01/01/1993
2.	Sh. Vinod Kumar Gupta*	Associate Professor	B. Tech.	M. Tech.	--	01/07/61	30	04	--	14/03/1991
3.	Dr. Rajiv Kumar	Associate Professor	B. Text.	M. Text.	Ph. D.	12/11/64	30	03	--	18/01/1991
4.	Smt. Deepti Vashishtha	Associate Professor	B. Text.	M. Text.	Pursuing	01/05/72	24	--	--	04/12/1996
5.	Sh. Arvind Vashishtha	Assistant Professor	B. E. (TT)	M. Tech.	Pursuing	29/07/70	26	02	--	28/11/1994
6.	Dr. Kailash Chandra Totla	Assistant Professor	B. Sc.	MCA	--	01/07/71	25	--	--	25/09/1995
7.	Sh. Prakash Chandra Birla	Assistant Professor	B. E. (TT)	M. Tech.	Pursuing	20/07/73	24	01	--	13/05/1996
8.	Sh. Krishna Gopal Bhadada	Assistant Professor	B. E. (TT)	--	--	08/06/68	24	02	--	07/12/1996
9.	Smt. Meenu Munjal	Assistant Professor	B. Text.	M. Text.	Pursuing	18/01/75	10	--	--	26/02/2013
10.	Dr. Harshvardhan Saraswat	Assistant Professor	B. E. (TT)	M. Tech.	Ph. D.	12/09/83	07	01	03	02/03/2013
Contractual (Appointed by National Project Implementation Unit, New Delhi under TEQIP-III)										
11.	Sh. Khude Prakash Arun	Assistant Professor	B. Tech.	M. Tech.	Pursuing	29/03/90	03	01	--	04/01/2018
12.	Sh. Vivek Prasad Shaw	Assistant Professor	B. Tech.	M. Tech.	--	17/11/86	03	08	--	04/01/2018

* Retired on 30.06.2021

(2) Textile Chemistry

S. No.	Name	Designation	Qualifications with field of specialization			Date of Birth	Experience (in years) (A) Teaching, (B) Industrial, (C) Research / Other (As on 30/06/2020)			Date of Joining
			UG	PG	Doctoral		(A)	(B)	(C)	
Regular										
1.	Sh. Deo Kumar Das	Assistant Professor	B. Sc. (ST)	--	--	01/01/67	25	05	--	08/08/1996
2.	Dr. Virendra Kumar Gupta	Assistant Professor	B. Tech.	--	Ph.D.	09/11/70	25	05	--	06/09/1996
3.	Sh. Shyam Sunder	Assistant Professor	B. E.	M. Text.	Pursuing	26/10/71	12	03	--	23/04/2007
4.	Sh. Jitendra Kumar	Assistant Professor	B. E.	M. Tech.	Pursuing	11/02/76	12	10	--	25/08/2007
Contractual (Appointed by National Project Implementation Unit, New Delhi under TEQIP-III)										
5.	Sh. Dharmendra Kumar	Assistant Professor	B. Tech.	M. Tech.	Pursuing	11/08/92	03	04	--	19/01/2018

(3) Information Technology

S. No.	Name	Designation	Qualifications with field of specialization			Date of Birth	Experience (in years) (A) Teaching, (B) Industrial, (C) Research / Other (As on 30/06/2020)			Date of Joining
			UG	PG	Doctoral		(A)	(B)	(C)	
Regular under Self-financing Scheme										
1.	Sh. Nitesh Chouhan	Assistant Professor	B. E.	M. E.	Pursuing	22/08/80	15	--	--	28/09/2006
2.	Sh. Anurag Jagetiya	Assistant Professor	B. E.	M. E.	Pursuing	05/01/85	15	--	--	04/10/2006
Contractual (Appointed by National Project Implementation Unit, New Delhi under TEQIP-III)										
3.	Sh. Amarjeet	Assistant Professor	B. E.	M. Tech.	--	01/05/85	10	--	--	01/01/2018
4.	Sh. Amit Kumar Gupta	Assistant Professor	B. E.	M. Tech.	Pursuing	01/10/79	08	04	--	01/01/2018
5.	Sh. Arun Kumar	Assistant Professor	B. E.	M. Tech.	--	29/06/88	05	--	--	17/01/2018
6.	Sh. Rohit Negi	Assistant Professor	B. E.	M. Tech.	--	07/09/88	03	--	--	29/09/2018

(4) Electronics & Communication Engineering

S. No.	Name	Designation	Qualifications with field of specialization			Date of Birth	Experience (in years) (A) Teaching, (B) Industrial, (C) Research / Other (As on 30/06/2020)			Date of Joining
			UG	PG	Doctoral		(A)	(B)	(C)	
Regular under Self-financing Scheme										
1.	Dr. Hiren Joshi *	Assistant Professor	B. E.	--	Ph. D.	15/12/71	13	--	14	27/11/1995
2.	Smt. Sarita Chouhan	Assistant Professor	B. E.	--	--	10/07/80	14	--	--	21/04/2007
3.	Smt. Hareeta Malani	Assistant Professor	B. E.	M. Tech.	--	24/12/80	14	--	--	25/04/2007
4.	Smt. Abha Singh	Assistant Professor	B. E.	--	--	18/11/62	14	--	--	25/04/2007
5.	Dr. Ritesh Kumar Saraswat	Assistant Professor	B. E.	M. Tech.	Ph. D.	01/03/80	14	--	--	25/04/2007

Contractual (Appointed by National Project Implementation Unit, New Delhi under TEQIP-III)										
6.	Sh. Balaji Tripathi	Assistant Professor	B. Tech.	M. Tech.	-	04/05/91	03	--	--	03/01/2018
7.	Sh. Chandan Kumar Choubey	Assistant Professor	B. Tech.	M. Tech.	Pursuing	07/01/87	08	--	--	04/01/2018
8.	Dr. Himanshu Chhabra	Assistant Professor	B. Tech.	M. Tech.	Ph. D.	10/04/90	03	--	--	04/01/2018

* On deputation to Prime Minister's Office

(5) Mechanical Engineering

S. No.	Name	Designation	Qualifications with field of specialization			Date of Birth	Experience (in years) (A) Teaching, (B) Industrial, (C) Research / Other (As on 30/06/2020)			Date of Joining
			UG	PG	Doctoral		(A)	(B)	(C)	
Regular under Self-financing Scheme										
1.	Sh. Ajit Kumar Joshi	Associate Professor	B. E.	M. Tech.	--	03/01/63	30	05	02	10/10/1991
2.	Sh. Dinesh Kumar Sharma	Assistant Professor	B. E.	M. Tech.	Pursuing	15/09/81	08	--	--	27/02/2013
3.	Sh. Arun Kumar	Assistant Professor	B. E.	M. Tech.	Pursuing	30/01/86	08	--	--	28/03/2013
Contractual (Appointed by National Project Implementation Unit, New Delhi under TEQIP-III)										
4.	Sh. Sanjay Kumar Patel	Assistant Professor	B. Tech.	M. Tech.	Pursuing	08/08/88	07	--	--	03/01/2018
5.	Sh. Mukesh Tilwani	Assistant Professor	B. Tech.	M. Tech.	Pursuing	11/03/90	06	--	--	04/01/2018
6.	Sh. Rahul Singh Mourya	Assistant Professor	B. Tech.	M. Tech.	Pursuing	30/01/92	03	--	--	04/01/2018
7.	Sh. Suraj Kumar Gupta	Assistant Professor	B. Tech.	M. Tech.	Pursuing	21/02/91	05	--	--	18/01/2018

(6) Basic Sciences & Humanities

S. No.	Name	Designation	Qualifications with field of specialization			Date of Birth	Experience (in years) (A) Teaching, (B) Industrial, (C) Research / Other (As on 30/06/2020)			Date of Joining
			UG	PG	Doctoral		(A)	(B)	(C)	
Regular under Self-financing Scheme										
1.	Dr. Ajay Kaushik*	Associate Professor (Chemistry)	B. Sc.	M. Sc.	Ph.D.	19/09/64	30	--	--	26/09/1991
2.	Dr. Dinesh Narain Vyas	Associate Professor (Mathematics)	B. Sc.	M. Sc.	Ph.D.	09/12/68	28	--	--	17/02/1993
3.	Dr. Kamal Chand Jain	Associate Professor (Physics)	B. Sc.	M. Sc.	Ph.D.	21/11/67	25	--	--	17/07/1996
4.	Sh. Rajeev Agarwal	Assistant Professor (Chemistry)	B. Sc.	M. Sc.	NET, SLET, GATE	07/02/78	09	--	--	28/02/2013
Contractual (Appointed by National Project Implementation Unit, New Delhi under TEQIP-III)										
5.	Dr. Pooja Khandelwal	Assistant Professor (Mathematics)	B. Sc.	M. Sc.	Ph. D. NET	02/11/83	06	--	--	19/01/2018
6.	Ms. Ankita Rani	Assistant Professor (English)	B. A.	M. A.	NET	16/02/89	03	--	--	04/01/2018

* On deputation to Rajasthan Skill & Livelihood Development Corporation, Jaipur

IX. **PROFILE OF THE DIRECTOR/PRINCIPAL WITH QUALIFICATION, TOTAL EXPERIENCE, AGE AND DURATION OF EMPLOYMENT AT THE INSTITUTE CONCERNED**

1.	Name	Dr. Dharendra Kumar Sharma
2.	Date of Birth	12/01/1964
3.	Educational Qualifications	B. Text., M. Text., Ph. D.
4.	Work Experience <ul style="list-style-type: none"> • Teaching and Research • Industry • Other 	28 Years 05 Years --
5.	Area of Specialization	Spinning, Textile Testing
6.	Subjects teaching at <ul style="list-style-type: none"> • Undergraduate level • Postgraduate level 	Textile Testing, ETS Design of Experiments and Statistical Analysis
7.	Research guidance <ul style="list-style-type: none"> • Masters • PhD guided 	04 05 (To be submitted)
8.	Number of paper published <ul style="list-style-type: none"> • National / International Journals • National / International Conferences 	12 14
9.	Projects carried out	01
10.	Patents	--
11.	Technology transfer	--
12.	Number of books published with details 1. Micro-denier Polyester Filament/Cotton Bi-layer Weft Knitted Fabrics – Thermal Comfort Properties, 2018. MeenuMunjial, Dharendra Sharma, Rajesh Kumar Vaishnav, ISBN 978-3-659-89577-7 LAMBERT Academic Publishing 2. Influence of Caustic and enzymatic treatments on spun yarns, 2018 Arvind Vashishtha, Dharendra Sharma ISBN 978-613-9-93055-5 LAMBERT Academic Publishing	

X. **FEE**

The fees charged for the academic session 2020-21 is as follows:

First year B. Tech. (All programs) and students admitted in III semester through LEEP

Semester	Category		Admission Fee	Tuition Fee	College Development Fee	Exam Fee	Other Fee	Student Welfare Fund	University Development Fee	College Caution Money	Total Fee (Day Scholar)	Hostel Fee	Hostel Caution Money	Grand Total (Hosteller)
I	SC/ST/Girls	SFS	100	24500	5500	1450	100	1500	2500	2500	38150	6250	2000	46400
		GAS	100	--	7500	1450	100	1500	2500	5000	18150	6250	2000	26400
	OBC/SBC/Gen (Boys)	SFS	100	24500	5500	1450	100	1500	2500	2500	38150	6250	2000	46400
		GAS	100	7500	7500	1450	100	1500	2500	5000	25650	6250	2000	33900
	TFWS	SFS	100	--	5500	1450	100	1500	2500	2500	13650	6250	2000	21900
		GAS	100	--	7500	1450	100	1500	2500	5000	18150	6250	2000	26400
II	SC/ST/Girls	SFS	--	24500	5500	1450	--	--	--	--	31450	6250	--	37700
		GAS	--	--	7500	1450	--	--	--	--	8950	6250	--	15200
	OBC/SBC/Gen (Boys)	SFS	--	24500	5500	1450	--	--	--	--	31450	6250	--	37700
		GAS	--	7500	7500	1450	--	--	--	--	16450	6250	--	22700
	TFWS	SFS	--	--	5500	1450	--	--	--	--	6950	6250	--	13200
		GAS	--	--	7500	1450	--	--	--	--	8950	6250	--	15200
III (LEEP)	SC/ST/Girls	SFS	100	24500	5500	1450	100	1500	2000	2500	37650	6250	2000	45900
		GAS	100	--	7500	1450	100	1500	2000	5000	17650	6250	2000	25900
	OBC/SBC/Gen (Boys)	SFS	100	24500	5500	1450	100	1500	2000	2500	37650	6250	2000	45900
		GAS	100	7500	7500	1450	100	1500	2000	5000	25150	6250	2000	33400

B. Tech. (All programs) III semester to VI semester

Semester	Category		Admission Fee	Tuition Fee	College Development Fee	Exam / Project Fee	Other Fee	Total Fee (Day Scholar)	Hostel Fee	Grand Total (Hosteller)
III & V	SC/ST/Girls	SFS	100	24500	5500	1450	100	31650	6250	37900
		GAS	100	--	7500	1450	100	9150	6250	15400
	OBC/SBC/Gen (Boys)	SFS	100	24500	5500	1450	100	31650	6250	37900
		GAS	100	7500	7500	1450	100	16650	6250	22900
	TFWS	SFS	100	--	5500	1450	100	7150	6250	13400
		GAS	100	--	7500	1450	100	9150	6250	15400
IV & VI	SC/ST/Girls	SFS	--	24500	5500	1450	--	31450	6250	37600
		GAS	--	--	7500	1450	--	8950	6250	15200
	OBC/SBC/Gen (Boys)	SFS	--	24500	5500	1450	--	31450	6250	37700
		GAS	--	7500	7500	1450	--	16450	6250	22700
	TFWS	SFS	--	--	5500	1450	--	6950	6250	13200
		GAS	--	--	7500	1450	--	8950	6250	15200

B. Tech. (All programs) VII & VIII semester

Semester	Category		Admission Fee	Tuition Fee	College Development Fee	Exam / Project Fee	Other Fee	TC/CC	Migration/ Degree Fee	Total Fee (Day Scholar)	Hostel Fee	Grand Total (Hosteller)
VII	SC/ST/ Girls	SFS	100	24500	5500	1450	100	--	--	31650	6250	37900
		GAS	100	--	7500	1450	100	--	--	9150	6250	15400
	OBC/SBC/ Gen (Boys)	SFS	100	24500	5500	1450	100	--	--	31650	6250	37900
		GAS	100	7500	7500	1450	100	--	--	16650	6250	22900
	TFWS	SFS	100	--	5500	1450	100	--	--	7150	6250	13400
		GAS	100	--	7500	1450	100	--	--	9150	6250	15400
VIII	SC/ST/ Girls	SFS	--	24500	5500	1450	--	100	900	32450	6250	38700
		GAS	--	--	7500	1450	--	100	900	9950	6250	16200
	OBC/SBC/ Gen (Boys)	SFS	--	24500	5500	1450	--	100	900	32450	6250	38700
		GAS	--	7500	7500	1450	--	100	900	17450	6250	23700
	TFWS	SFS	--	--	5500	1450	--	100	900	7950	6250	14200
		GAS	--	--	7500	1450	--	100	900	9950	6250	16200

M. Tech. (Textiles) I to IV Semester

Semester	Admission Fee	Tuition Fee	College Development Fee	Exam / Project Fee	Other Fee	Enrollment Fee	TC/CC Fee	Student Welfare Fund	University Development Fee	College Caution Money	Dissertation Fee	Total Fee (Day Scholar)	Hostel Fee	Hostel Caution Money	Grand Total (Hosteller)
I	100	24500	5500	1900	100	**	--	1500	1500	2500	--	37600	6250	2000	45850
II	--	24500	5500	1900	--	--	--	--	--	--	--	31900	6250	--	38150
III	100	24500	5500	1900	100	--	--	--	--	--	--	32100	6250	--	38350
IV	--	24500	5500	1900	--	--	100	--	--	--	1500	33500	6250	--	39750

Ph. D. (Textiles)

Semester	Admission Fee	Tuition Fee	Registration form Fee	Registration Fee	Other Fee	Course Work Fee	Lab Fee	Library Fee	Student Welfare Fund	University Development Fee	College Caution Money	Total Fee (Day Scholar)	Hostel Fee	Hostel Caution Money	Grand Total (Hosteller)
I	100	1650	200	1800	100	12000	1500	900	1500	3000	1000	23750	6250	2000	32000
II	--	1650	200	1800	--	--	1500	900	--	--	--	6050	6250	--	12300
III	100	1650	200	1800	100	--	1500	900	--	--	--	6250	6250	--	12500
IV	--	1650	200	1800	--	--	1500	900	--	--	--	6050	6250	--	12300

Time schedule for payment of fee for the entire programme

The students have the option of paying the fee in two instalment each at the time of beginning of odd and even semester as per the notification issued by the office.

(1) Number of fee waivers granted with amount and name of students

The SC/ST/Girls students and the students getting admission under TFWS for Government Aided Seats (GAS) are required to pay only INR 26600/- per year. Remaining fee is waived off.

(2) Number of scholarships offered by the institute, duration and amount

S. No.	Name of Scholarship	Offered by	Duration	Amount per year
•	SC Scholarship	Social Welfare Dept. , Govt. of Rajasthan	4 Years	As per Government Norms
•	ST Scholarship	Social Welfare Dept. , Govt. of Rajasthan	4 Years	As per Government Norms
•	OBC Scholarship	Social Welfare Dept. , Govt. of Rajasthan	4 Years	As per Government Norms
•	SBC	Social Welfare Dept. , Govt. of Rajasthan	4 Years	As per Government Norms
•	EBC	Social Welfare Dept. , Govt. of Rajasthan	4 Years	As per Government Norms
•	Minority Scholarship	Dept. of Minority Affairs, Govt. of Raj.	4 Years	As per Government Norms
•	Merit Scholarship	BSER, Ajmer	4 Years	INR 1000/-

Number of students whom scholarships were offered

Session 2019-20		Session 2020-21	
Category	No. of Students	Category	No. of Students
SC		SC	
ST		ST	
OBC (Non-BPL)		OBC (Non-BPL)	
OBC/BPL		OBC/BPL	
SBC		SBC	
EBC		EBC	
Minority		Minority	
Other		Other*	

Amount of scholarship is transferred to the bank account of concerned student.

(3) Criteria for fee waiver/scholarship

All scholarships (except those offered by the Alumni) and fee waivers are offered as per the directions of Technical Education Department, Government of Rajasthan, Jaipur. College

also facilitates the students receiving the scholarship from other agencies including other states.

The scholarship offered by Alumni is completely need based. However, one scholarship is also offered to meritorious and needy student. It is decided in democratic way by inviting applications in open. Short listing followed by personal interaction is a part of deciding the deserving student.

(4) Estimated cost of lodging and boarding in hostel

Hostel accommodation is available for both boys and girls in the campus itself. Annual fee for the residents is charged @ INR 12500/- in two instalments, i.e., semester wise. One time caution money (refundable) @ INR 2000/- is charged at the time of entry. Hostel mess is run by the students themselves on cooperative basis and College administration does not interfere in it.

XI. ADMISSION

The details regarding admissions is as follows:

(1) The number of seats sanctioned with the year of approval

Discipline	Approved Intake	Year of first approval
B. E. / B. Tech.		
Textile Technology	120	F.23-13/88-T.5, 13.10.1988
Textile Chemistry	40	F.23-19/88-AICTE/171, 07.06.1993
Information Technology	60	F.730-50/UG/Raj.(Ext) 2002, 19.06.2002
Electronics & Communication	60	F.765-66-205(E)/ET/95, 30.03.2003
Mechanical Engineering	60	F.765-66-205(E)/ET/95, 11.10.2007
M. Tech.		
Textile Technology/Chemistry	18	North-West/1-413146821/2011/EOA, 01.09.2011

In addition to this, 10% additional seats are sanctioned in UG courses, which are available for the students possessing Three Years Diploma or B. Sc. degree. Admission is offered in III semester of each UG course. One supernumerary seat in each course is available for Kashmiri Migrants.

(2) Number of students admitted under various categories in the last three year

Year	2018 – 19			2019 – 2020			2020 – 21		
	M	F	Total	M	F	Total	M	F	Total
B. Tech.									
General	90	32	112	79	30	109	85	29	114
SC	17	10	27	09	--	09	08	03	11
ST	03	--	03	07	--	07	01	--	01
OBC	64	15	79	57	07	64	30	05	35
M. Tech.									
General	06	01	07	05	02	07	02	02	04
SC	02	--	02	--	--	--	--	--	--
ST	--	--	--	--	--	--	--	--	--
OB C	01	--	01	01	--	01	--	--	--

(3) Number of applications received during last two years for admission under Management Quota and number admitted

One seat from among the approved intake in B. Tech. (Textile Technology) course belongs to management quota. It is filled on the recommendations of LNJ Bhilwara Group of Industries which initially donated the building of the college.

XII. ADMISSION PROCEDURE

(1) Mention the admission test being followed, name and address of the Test Agency and its URL (Website)

Admissions to various UG courses are made through the merit of JEE (Mains) according to Rajasthan Engineering Admission Process (REAP)-2020. Director, Technical Education, Government of Rajasthan is the Coordinator of REAP-2020.

Name & Address of coordinator REAP-2020:

Director

Centre for Electronic Governance
RajkiyaKhaitan Polytechnic Campus
JhalanaDoongari, Jaipur 302 004
www.ceg.gov.in and www.reapraj.com

Admissions to M. Tech. and doctoral course are made through the procedure “Centralized Admission to M. Tech. (CAM)” and “Doctoral Admission Test (DAT)” of Rajasthan Technical University, Kota in each academic year.

Dean (Academics)

Rajasthan Technical University
Rawatbhata Road, Akelgarh,
Kota – 324 010 (Rajasthan)
www.rtu.ac.in/cam2020, www.rtu.ac.in/dat2020

(2) Number of seats allotted to different Test Qualified candidates separately
[JEE/CET (State conducted test/University test)/Association conducted test]

The number of seats allotted to 1st year of UG courses is as follows:

S. No.	Course	First Counselling			Second Counselling			Upward movement		
		A	R	NR	A	R	NR	A	R	NR
1.	TT (GAS)	--	--	--	51	35	16	--	--	--
2.	TT (SFS)	07	04	03	15	11	04	--	--	--
3.	TC (GAS)	--	--	--	19	13	06	--	--	--
4.	TC (SFS)	--	--	--	10	01	09	--	--	--
5.	IT	09	03	06	67	42	25	15	14	01
6.	ECE	02	--	02	27	12	15	--	--	--
7.	ME	03	01	02	36	22	14	04	01	03
Total		21	08	13	225	136	89	19	15	04

A-Allotted, R-Reported, NR-Non-reported

(3) Calendar for admission against management/vacant seats

The calendar of activities for admission against vacant seats is provided by the Coordinator REAP-2020 and accordingly admissions are made. The calendar for the academic session 2020-21 is reproduced here for ready reference:

Date of issue of notification	21.09.2020
Last date and time of submission of application	05.10.2020
Date & time of 1 st round counselling	12.10.2020

(4) Criteria and weightages for admission

The essential qualification for admission to 1st year of UG courses is 10+2 with minimum 45% marks in aggregate (40% marks in case of candidates belonging to “SC/ST/Non creamy layer OBC/ Non creamy layer SBC of Rajasthan State” in the final examination of Board of Secondary Education Rajasthan or any other examination recognized equivalent thereto by Board of Secondary Education Rajasthan or Central Board of Secondary Education (CBSE). Age limit as per direction of REAP-2020.

Course	Compulsory subjects	Any one of the optional subjects
B. Tech.	Physics and Mathematics	(1) Chemistry (2) Bio-technology (3) Biology (4) Computer Science

Weightage for admission is given as per guidelines issued by the Technical Education Department, Government of Rajasthan, Jaipur. Existing priorities are as follows:

For the seats[Basis: JEE (M)– 20 Score]	For the seats[Basis: XII percentile]
<ul style="list-style-type: none"> Admissions were made on the basis of marks obtained by candidates in 12th class only 	<ul style="list-style-type: none"> Minimum qualification 10+2 pass and Rajasthan Domicile Minimum qualification 10+2 pass and other State’s domicile

(5) Application Form

The application form for admission to 1st year of various UG courses against vacant seats is attached as **Appendix-I**.

(6) Position of vacant seats and list of applicants

The vacant seat position in various UG courses after internal sliding as of 11.11.2020 at 04:00 PM is as follows:

Category	Criteria	ECE	IT	ME	TC (SFS)	TT (SFS)	TC (GAS)	TT (GAS)
SC (M)	12 th	7	1	6	2	7	1	4
SC (F)	12 th	2	1	2	1	2	1	2
ST (M)	12 th	5	1	4	2	5	1	3
ST (F)	12 th	2	1	2	1	2	0	1
OBC (M)	12 th	9	2	7	3	9	1	5
OBC (F)	12 th	3	1	3	1	3	1	2
GEN (M)	12 th	23	6	19	8	23	4	13
GEN (F)	12 th	8	2	6	3	8	2	5
Total		59	15	49	21	59	11	35

Total number of vacant seats after internal sliding = 249

The list of applicants for admission to 1st year of various UG courses against vacant seats is attached as **Appendix-II**.

(7) Result of admission under management seats/vacant seats

The list of students admitted to 1st year of various UG courses against vacant seats is attached as **Appendix-III**.

XIII. INFORMATION ON INFRASTRUCTURE AND OTHER RESOURCES AVAILABLE

(1) Number of Laboratories and size of each

Programme-wise details of number of Labs/Workshops are as follows:

S. No.	Name	Building with RCC in SqM	Building with Sheet Roof in SqM
Textile Technology / Textile Chemistry			
1.	Fibre Science Lab	40	-
2.	Computer Colour Matching Lab	40	-
3.	Textile Chemical Analysis Lab	70	-
4.	Advance Testing Lab	70	-
5.	Textile Testing Lab-I	70	-
6.	Textile Testing Lab-II	70	-
7.	Textile Designing Lab	20	-
8.	FMI Lab	-	131
9.	Spinning Workshop	-	286
10.	Spinning Workshop	-	286
11.	Spinning Workshop	-	286
12.	Weaving Workshop	-	286
13.	Weaving Workshop	-	286
14.	Weaving Workshop	-	286
15.	Textile Printing Workshop	-	286
16.	Textile Dyeing Workshop	-	286
Total Area in SqM		380	2419
Information Technology			
1.	Software Engineering Lab	67	--
2.	VLSI Lab	94	--
3.	Computer Graphics Lab	94	--
4.	Multimedia Lab	40	--
5.	Project Lab	94	--
6.	System Design Lab	94	--
Total Area in SqM		483	--
Electronics & Communication Engineering			
1.	Communication Lab	94	--
2.	Antenna Lab	50	--
3.	Microwave Lab	94	--
4.	Digital Electronics Lab	94	--
5.	Analog Electronics Lab	94	--
6.	PCB Design Lab	40	--
7.	Instrumentation Lab	94	--
8.	Electrical Workshop	94	--
Total Area in SqM		654	--
Mechanical Engineering			

1.	Computer Aided Design Lab	43	--
2.	Mechanical Workshops	--	580
3.	Material Science Lab	--	94
4.	Mechanics of Solid Lab	--	94
5.	Fluid Mechanics/Machine Lab	--	290
6.	Dynamics of Machine Lab	--	94
7.	Thermal Engineering Lab	--	290
8.	Production & Industrial Lab	--	290
Total Area in SqM		43	1732
Basic Sciences & Humanities			
1.	Physics Lab with Dark Room	65	--
2.	Analytical Chemistry Lab	65	--
3.	Physical Chemistry Lab	60	--
4.	Language Lab cum Smart Room	65	--
Total Area in SqM		255	--

(2) Number of Class Rooms, Theatres, Tutorial Room and size of each

S. No.	Name and location		Building with RCC in SqM
1.	Lecture Theatres	LT-1 (Ground Floor)	116
		LT-2 (Ground Floor)	116
		LT-3 (Ground Floor)	93
		LT-4 (First Floor)	86
		LT-5 (First Floor)	86
		LT-6 (First Floor)	86
		LT-7 (First Floor)	93
Total Built-up Area in SqM.			676
2.	Class Rooms	Room No. 33 (Ground Floor)	60
		Room No. 34 (Ground Floor)	60
		Room No. 90 (First Floor)	88
		Room No. 91 (First Floor)	88
		Lecture Room 8A (First Floor)	65
		Lecture Room 8B (First Floor)	65
		Lecture Room 9 (First Floor)	87
Total Built-up Area in SqM			513
3.	Tutorial Rooms	Room No. 55(Ground Floor)	41
		Room No. 61(Ground Floor)	41
		Room No. 62(Ground Floor)	41
		Room No. 10(Ground Floor)	60
		Room No. 12(Ground Floor)	49
Total Built-up Area in SqM			232

(3) Number of Drawing Halls and size of each

S. No.	Name	Building with RCC in SqM
1.	Drawing Hall	286
2.	Seminar Hall	297
Total Built-up Area in SqM		583

(4) Central Examination Facility, Number of rooms and capacity of each

University main examinations as well as mid-term test are conducted in seminar hall as well as in class rooms, and theatres

S. No.	Name	Students' Capacity
1.	Seminar Hall	102
2.	LT-1	44
3.	LT-2	44
4.	LT-3	24
5.	LT-4	45
6.	LT-5	45
7.	LT-6	45
8.	LT-7	24
9.	Room No. 90	40
10.	Room No. 91	40
11.	Lecture Room 8A	30
12.	Lecture Room 8B	30
13.	Lecture Room 9	44
15.	Room No. 33	32
16.	Room No. 34	32
Total		621

(5) List of Equipments / Instruments / Apparatus / Software (Lab wise)

The list of equipment, instruments, apparatus and software in various labs/workshops is attached at **Appendix-IV**

(6) Games and Sports Facility

S. No.	Name	Building with/without RCC in SqM
1.	Multi-activity Playground (Cricket, Football, Hockey, Volley Ball, Handball etc.)	25000
2.	Bad Minton Arena	Standard
3.	Basket Ball Court	Standard
4.	Tennis Court	Standard
5.	Table Tennis Room	112

(7) Library

S. No.	Course Name	Number of Books (Volume)	Number of National Journals
1.	B. Tech.(Textile Technology)	4000	5
2.	B. Tech. (Textile Chemistry)	3000	2
3.	B. Tech. (Textile Engineering)	1800	--
4.	B. Tech. (Information Technology)	4800	--
5.	B. Tech. (Electronics & Communication)	2700	--
6.	B. Tech. (Mechanical Engineering)	1800	--
7.	Others & Book Bank	3000	

P. S.: College is a member of National Digital Library. **118** E-books available.

(8) Extracurricular Activities

- ✓ National Cadet Corps (NCC) under process
- ✓ Scout
- ✓ NSS regular and unaccountable activities are regular feature such as helping poor people, tree plantation for environment protection, cleanliness drive under Swachchh Bharat Abhiyan, Awareness Camps on Career issues.
- ✓ Blood Donation Camps are regularly feature in the college making students responsible towards society where they come from.
- ✓ Yoga sessions for better living
- ✓ Cultural, literary, dramatic and management activities
- ✓ Commemorative days celebration (Constitution Day, Engineers' Day, Hindi Divas, Environment Day, World Yoga Day, Science Day, etc.)
- ✓ Village visits under Unnat Bharat Abhiyan

(9) Skill Development Facilities

- ✓ Employability Skill Classes (Free of cost) under TEQIP-III
- ✓ Coaching for GATE aspirants (Free of cost) under TEQIP-III
- ✓ Students' technical training at IITs/NITs (Sponsored under TEQIP-III)
- ✓ Arrange special lectures by experts from reputed institutions and NGOs
- ✓ Interactive sessions by Alumni working with reputed companies in India and abroad
- ✓ Group discussions
- ✓ Learning through management games
- ✓ Mock Personal Interviews
- ✓ Spoken English aid through well-equipped Language Lab with 30 terminals
- ✓ Lectures on Professional Ethics and Universal Human Values
- ✓ Classes on time management and many more

XIV. TEACHING LEARNING PROCESS

Teaching-learning process includes course curricula, teaching methodology, academic calendar, mid-term evaluation, feedback, corrective measures, use of smart technology in teaching and knowledge enhancement by attending and/or organizing FDPs and short-term courses.

- Course curricula are followed as prescribed by the affiliating university, RTU, Kota and teaching hours are allotted as per AICTE norms and standards (**Appendix V**)
- Teaching is carried out according to the academic calendar of RTU, Kota and internally created weekly time schedule (**Appendix VI**)
- Two mid-term tests are conducted at two points of time in a semester depending upon completion of course contents
- Regular blind feedback is taken from the students regarding the quality and quantity of teaching followed by remedial classes and other corrective measures
- Six smart class rooms have been developed by installing ceiling mounted projectors and smart boards. Teachers use modern teaching aids for class room instructions as well as lab practices

- Faculty members attend FDPs, conferences, short-term courses, workshops and other academic activities regularly
- College departments organize special classes for students making them acquainted with the latest technology and demand driven practices
- Organizing short-term courses and conferences is regular feature
- Experts from industry frequently visit the college and share their experience with the students which leads to capacity enhancement
- Industry visits of students are frequently organized in the city and its vicinity as well as outside city and state
- Knowledge sharing through interaction with alumni and people from industry, banks, financial institutions and corporate field
- Final performance evaluation of students is carried out through main/back exams at the end of odd and even semesters conducted by the affiliating university as per prescribed schedule.

XV. NBA ACCREDITATION STATUS

1.	Name / List of Programmes / Courses Accredited	NIL
2.	Applied for Accreditation	
	A. Applied but visit not happened	<ul style="list-style-type: none"> ✓ B. Tech. (Textile Technology) ✓ B. Tech. (Textile Chemistry) ✓ B. Tech. (Information Technology) ✓ B. Tech. (Electronics & Comm. Engineering) ✓ B. Tech. (Mechanical Engineering)
	B. Visit happened but result awaited	NIL
3.	List of Programmes / Courses Not Applied	✓ M. Tech. (Textile Technology)

XVI. GRADING BY AFFILIATING UNIVERSITY

Awarded '**A**' grade by the Rajasthan Technical University, Kota for the session 2020-21.
Quality Index Value : 635 (More than threshold)



**OFFICE OF THE DEAN ACADEMIC AFFAIRS
RAJASTHAN TECHNICAL UNIVERSITY**

AKELGARH, RAWATBHATA ROAD, KOTA-324010

Ph-0744- 2473015, website : www.rtu.ac.in, email : dean.academic@rtu.ac.in

RTU/F(17)/Acad./Affiliation(Engg.-26)/EOAA/2021-22/ 5217-25

Date: 07/12/2021

Extension of Approval of Affiliation

The Extension of Approval of Affiliation (EOAA) has been issued to **M.L.V Textile & Engineering College, Bhilwara** for the period of 5 years from the session 2020-21 to 2024-25 vide RTU/F(17)/Acad./Affiliation (Engg.-26)/EOAA/2020-21/2057-64, dtd. 07.11.2020.

Further, on the directions of the 72nd Board of Inspection vide Agenda No. 72.3 and subsequent approval of Hon'ble Vice Chancellor, Rajasthan Technical University, Kota, the EOAA for the institute is continued in **category A** for the academic session 2021-22 with the awarded Quality Index Value (QIV) of **630**. The EOAA has been granted for the courses, with their approved intake, as per AICTE approval vide letter No. North-West/1-9318627766/2021/EOA, dtd. 25.06.2021 as mentioned below:

SN	Engineering Program (B.Tech.) Name of Course(s)	Sanctioned Intake 2021-22
1	Information Technology	60
2	Textile Technology	120
3	Textile Chemistry	40
4	Mechanical Engineering	60
5	Electronics & Communication Engg.	30
6	Textile Technology (M.Tech.)	18
7	Computer Science & Engineering (IOT)	30

Appendix – I

M. L. V. Textile & Engineering College, Bhilwara

List of applicants for direct admission on vacant seats for the session 2020-21

[First Round of Direct admissions on 11.11.2020]

(A) Candidates with 10 + 2 pass

S. No.	Name	Father's Name	% Marks in XII
SC Candidates			
1.	RITHIK KUMAR RATHI	PRAKASH CHANDER RATHI	84.60
2.	RAHUL CHHATA	PRAKASH CHANDRA CHHATA	77.40
3.	MILIND CHANNAL	JAGDISH CHANNAL	69.80
4.	SAMEER KHANDWAL	PUSHA LAL KHANDWAL	68.20
5.	BHAVESH MEGHWAL	DINESH KUMAR MEGHWAL	63.80
6.	KAPIL DURIA	RAMESH DURIA	50.20
ST Candidates			
7.	VIKASH KUMAR MEENA	GYARSHI LAL MEENA	69.60
OBC Candidates			
8.	BHARAT KUMAR SUTHAR	JAMNA LAL SUTHAR	84.40
9.	PRADEEP SONI	YOGESH SONI	82.20
10.	DILIP SAHU	BANSHI LAL SAHU	80.00
11.	AJAY SINGH CHOUHAN	BHAGWAN SINGH CHOUHAN	77.20
12.	KARAN SEN	SHANKAR LAL SEN	75.80
13.	ARJUN DHAKAR	NANA LAL	71.80
14.	NIKHIL SONI	NAND KISHOR SONI	71.20
15.	MANISH KUMAR CHIPPA	AZAD KUMAR CHIPPA	69.40

16.	ADITYA LAKHARA	SHANKAR LAL LAKHARA	69.20
17.	UMESH SAHU	SHANKAR LAL TELI	67.20
18.	RAHUL SINGH	KRISHNA KUMAR SINGH	64.40
19.	RAJENDRA KUMAR AHIR	HARI KISHAN AHIR	64.00
20.	VIVEK PRATAP YADAV	LAL BAHADUR YADAV	58.40
General Candidates (EWS Seats Only)			
21.	PRIYANKA NIHALCHANDANI	KISHAN NIHALCHANDANI	92.20
22.	AKSHALI JAIN	DILIP JAIN	81.40
23.	NISHANT MISHRA	SANJEEV MISHRA	76.80
24.	SHREYANSH AGARWAL	SUNIL AGARWAL	67.20
25.	MRITYUNJAY VYAS	VIJAY KUMAR VYAS	46.20
General Candidates			
26.	DIVYA AGGARWAL	ASHISH AGGARWAL	91.60
27.	AMAN RANKA	ASHOK KUMAR RANKA	89.40
28.	SAVI BOHRA	NIRMAL BOHRA	88.40
29.	SIDDHI BHANDARI	CHANDAN BHANDARI	82.20
30.	SUMATI KOTHARI	GAUTAM KOTHARI	81.83
31.	JAYANT PAL SINGH	AADRAM PAL	81.60
32.	KARTIK SHARMA	PAWAN SHARMA	80.83
33.	SHOURABH SHARMA	RAJESH KUMAR SHARMA	79.80
34.	TANVI BHATNAGAR	ASHISH BHATNAGAR	79.80
35.	SURAJ KUMAR SHARMA	SHYAM LAL SHARMA	79.40
36.	ADITYA NAGLA	MAHAVEER PRASAD NAGLA	74.40
37.	AMAN KOTHARI	KRISHAN KUMAR KOTHARI	71.33
38.	ANURAG SHARMA	GANPAT SHARMA	71.20
39.	ANUJ PAREEK	MAHESH PAREEK	70.00
40.	MOHAMMAD SHAHANAWAZ	SALAMUDDIN QUAZI	68.80
41.	TAJU RAM	DHARMA RAM	68.60
42.	RHYTHM NAIR	RAJ NAIR	68.00
43.	VANDIT VASHISHTHA	ARVIND VASHISHTHA	66.40
44.	RIYA RANKA	RAJENDRA SINGH RANKA	65.40
45.	VINOD KUMAR SHARMA	ROSHAN LAL SHARMA	64.60
46.	ANKIT SINGH RATHORE	BHERU SINGH	63.80
47.	CHITRANSHU PAREEK	ANIL KUMAR PAREEK	62.60
48.	MANVENDRA S. KUMPAWAT	BHAGWAN SINGH KUMPAWAT	62.00
49.	AKSHAY KUMAR	NAND LAL	61.60
50.	DEEPAK GUPTA	FULENDRA GUPTA	61.60

51.	AYUSH TRIPATHI	MAHAVEER PRASAD TRIPATHI	60.20
52.	GANESH KAMAT	SANTOSH KAMAT	56.40
53.	DEEPAK SARASWAT	SHANTI LAL SARASWAT	54.00
54.	VINAYAK PUROHIT	BUDDHI PRAKASH PUROHIT	49.00
55.	HARISH SUKHWAL	GHANSHYAM	48.40

(B) Candidates from other States

S. No.	Name	Father's Name	% Marks in XII
General Candidates (Out Side Rajasthan)			
1.	HARSH JAIN	SANJAY JAIN	67.85

[Second Round of Direct admissions on 28.11.2020]

(A) Candidates with 10 + 2 pass

S. No.	Name	Father's Name	% Marks in XII
General Candidates			
1.	DEEN DAYAL SUWALKA	SANTOSH SUWALKA	80.40
2.	GAURAV GUPTA	BUNTY GUPTA	64.00
3.	NEHA TIWARI	DHANRAJ TIWARI	58.40

(B) Candidates from other States

S. No.	Name	Father's Name	% Marks in XII
General Candidates (Out Side Rajasthan)			
1.	SATYAM SINGH	ARVIND KUMAR SINGH	75.00
2.	ABHISHEK KUMAR PANDEY	SHASHI KANT PANDEY	64.60

[Special Round of Direct admissions on 31.12.2020]

(C) Candidates with 10 + 2 pass

S. No.	Name	Father's Name	% Marks in XII
General Candidates			
1.	CHIRAG DAD	ANIL KUMAR DAD	84.20
2.	YASH RAJ CHOUDHARY	NARAYAN LAL JAT	69.00
General Candidates (EWS Seats)			
3.	PRIYAL JAIN	PRAMIL JAIN	82.40
4.	VIJAY PAREEK	BHAGWAN PAREEK	60.80

[Special Round of Direct admissions in III Semester B. Tech. LEEP on 31.12.2020]

(A) Candidates with 3 Years Diploma

S. No.	Name	Father's Name	% Marks in Dip.
Candidates of Rajasthan Domicile			
1.	VAIBHAV SHARMA	BALU LAL SHARMA	60.14
Candidates from out of Rajasthan			
2.	KEYA DAS	KALA CHAND DAS	85.38
3.	NYAYIR BASAR	TOKEN BASAR	70.45
4.	KAPIL KUMAR	MAHESH CHAND	70.34
5.	SANKET KUMAR	RAVINDER THAKUR	70.12

Students admitted through Prime Minister Special Scholarship Scheme for J&K Candidates

S. No.	Students Unique ID	Scholar ID	Name of Student	Branch
1.	2020237994	2024137	SUMEET KUMAR	INFORMATION TECHNOLOGY
2.	2020226123	2024173	ANKIT SINGH	MECHANICAL ENGINEERING
3.	2020234588	2024176	VISHAL BHAGAT	ELECTRONICS & COMM. ENGG.
4.	2020255711	2024175	RIMSHA	INFORMATION TECHNOLOGY
5.	2020108962	2024181	SHAMALI VERMA	ELECTRONICS & COMM. ENGG.
6.	2020225979	2024182	URMBLA DEVI	TEXTILE CHEMISTRY
7.	2020211625	2024174	ABID RAZA	MECHANICAL ENGINEERING

M. L. V. Textile & Engineering College, Bhilwara

List of admitted students through direct admission on vacant seats for the session 2020-21

[First round of direct admissions on 11.11.2020]

S. No.	Students' ID	Name of Student	Father's Name
Information Technology			
1.	2024	MRITYUNJAY VYAS	VIJAY KUMAR VYAS
2.	2024	SIDDHI BHANDARI	CHANDAN BHANDARI
3.	2024	NIKHIL SONI	NAND KISHOR SONI
4.	2024	RIYA RANKA	RAJENDRA SINGH
5.	2024	ADITYA NAGLA	MAHAVEER PRASAD
6.	2024	JAYANT PAL SINGH	AADRAM PAL
7.	2024	VIVEK PRATAP YADAV	LAL BAHADUR YADAV
8.	2024	VINAYAK PUROHIT	BUDDHI PRAKASH PUROHIT
9.	2024	NISHANT MISHRA	SANJEEV MISHRA
10.	2024	AMAN RANKA	ASHOK KUMAR RANKA
11.	2024	VINOD KUMAR SHARMA	ROSHAN LAL SHARMA
12.	2024	SURAJ KUMAR SHARMA	SHYAM LAL SHARMA
13.	2024	CHITRANSHU PAREEK	ANIL KUMAR PAREEK
14.	2024	BHAVESH MEGHWAL	DINESH KUMAR MEGHWAL
15.	2024	SHREYANSH AGARWAL	SUNIL AGARWAL
16.	2024	PRIYANKA NIHALCHANDANI	KISHAN NIHALCHANDANI
17.	2024	BHARAT KUMAR SUTHAR	JAMNA LAL SUTHAR
Mechanical Engineering			
18.	2024	CHIRAG DAD	ANIL KUMAR DAD
19.	2024	RITHIK KUMAR RATHI	PRAKASH CHANDER RATHI
20.	2024	RAHUL SINGH	KRISHNA KUMAR SINGH
21.	2024	ANURAG SHARMA	GANPAT SHARMA
22.	2024	SHOURABH SHARMA	RAJESH KUMAR SHARMA
23.	2024	KARTIK SHARMA	PAWAN SHARMA
Textile Chemistry (GOVERNMENT AIDED SEAT)			
24.	2024	KAPIL DURIA	RAMESH DURIA
25.	2024	SUMATI KOTHARI	GAUTAM KOTHARI
26.	2024	DEEPAK SARASWAT	SHANTI LAL SARASWAT
Textile Technology (GOVERNMENT AIDED SEAT)			
27.	2024	SAMEER KHANDWAL	PUSHA LAL KHANDWAL
28.	2024	PRADEEP SONI	YOGESH SONI
29.	2024	ARJUN DHAKAR	NANA LAL
30.	2024	MANISH KUMAR CHIPPA	AZAD KUMAR CHIPPA
31.	2024	AJAY SINGH CHOUHAN	BHAGWAN SINGH CHOUHAN

32.	2024	AMAN KOTHARI	KRISHAN KUMAR KOTHARI
33.	2024	AYUSH TRIPATHI	MAHAVEER Pd TRIPATHI
34.	2024	RHYTHM NAIR	RAJ NAIR
35.	2024	VANDIT VASHISHTHA	ARVIND VASHISHTHA
36.	2024	TAJU RAM	DHARMA RAM

[Second round of direct admissions on 28.11.2020]

S. No.	Students' ID	Name of Student	Father's Name
Textile Technology (GAS)			
1.	2024	DEEN DAYAL SUWALKA	SANTOSH SUWALKA
2.	2024	GAURAV GUPTA	BUNTY GUPTA

[Special round of direct admissions on 31.12.2020]

S. No.	Students' ID	Name of Student	Father's Name
Information Technology			
1.	2024	VIJAY PAREEK	BHAGWAN PAREEK
2.	2024	PRIYAL JAIN	PRAMIL JAIN
Mechanical Engineering			
3.	2024	YASH RAJ CHOUDHARY	NARAYAN LAL JAT

[Students admitted in III Semester B. Tech. Program through LEEP 2020-21]

Direct Admission on 31.12.2020

S. No.	Students' ID	Name of Student	Father's Name
Textile Chemistry (GAS)			
1.	2023	KAPIL KUMAR	MAHESH CHAND
Textile Technology (SFS)			
2.	2023	KEYA DAS	KALA CHAND DAS
3.	2023	NYAYIR BASAR	TOKEN BASAR
4.	2023	SANKET KUMAR	RAVINDER THAKUR
Textile Technology (GAS)			
5.	2023	VAIBHAV SHARMA	BALU LAL SHARMA

M. L. V. Textile & Engineering College, Bhilwara

List of admitted students under MANAGEMENT QUOTA for the session 2020-21

There is one seat reserved for LNJ Bhilwara group under management quota in B. Tech. (Textile Technology) GAS category. The details of student admitted under this category are as follows:

References:

1. Email from OSD, LNJ Bhilwara Group dated 15.10.2020
2. Office Order No. F.6/Gr.1/03(REAP)/2020/3417-18, dated 15.10.2020

S. No.	Name of Student	Father's Name
1.	DEEPAK SETHIYA	RAKESH SETHIA

Information Technology Department

Lab 1: Multi Media Lab

Sr. No.	Items Name	Quantity	Technical Specification
1.	Desktop Computers (DELL)	4	Intel Core i3 (3.70 GHz) processor, 8GB DDR4 RAM, 500 GB Hard disk, 18.5 inch screen, Dell keyboard, optical mouse licensed windows 10

Lab 2: Information & Communication Technology Lab

Sr. No.	Items Name	Quantity	Specification
1.	Smart LED (Samsung)	01	54" Flat TV With in-built Wi-Fi and Ethernet Connectivity, Support Screen Casting Facility

Lab 3: VLSI Lab

Sr. No.	Items Name	Quantity	Specifications
1.	Desktop Computers (DELL)	15	Intel Core i3 (3.70 GHz) processor, 8GB DDR4 RAM, 500 GB Hard disk, 18.5 inch screen, Dell keyboard, optical mouse licensed Windows 10
2.	Interactive Flat Panel (View Sonic)	01	<ul style="list-style-type: none"> • Built-in Viewboard OS, out-of-box experience • my View Board collaboration ecosystem • Built-in Casting, work with Windows, Mac, iOS, Android, and Chrome

Lab 4: Computer Centre

Sr. No.	Items Name	Quantity	Specifications
1.	All In One Desktop PC (HP)	15	Intel (R) Pentium (R) Processor, 64 bit process CPU G3220T 2.60 GHz, 4GB RAM, 500 GB Hard disk, HP USB keyboard, HP USB Optical 2 button mouse, Generic PnP monitor, Licensed Windows 8.1
2.	Table Type Digital Podium	01	Full HD Interactive Touch Monitor Integrated Computer System- CPU Core /i5/ III/IV Gen, 8 GB RAM, 1TB SATA HDD, Windows 10 OS, key Board and Mouse, Touch pen, Visualizer
3.	Projector (Sony)	01	<ul style="list-style-type: none"> • Brightness of 3200 Lumens • XGA (1024 x 768) Native Resolution • 1.47 to 1.77:1 Throw Ratio

			<ul style="list-style-type: none"> • S-Video, Composite, 2x VGA, 2x HDMI-In • 1 VGA In Doubles as Out for Loop-Through • Analog Audio Input and Output • Integrated 16-Watt Speaker • Crestron RoomView Connected Compatible • Ethernet and RS-232 Controllable • Includes VGA Cable and IR Remote
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Lab 5: PL Lab

S. No.	Items Name	Quantity	Technical Specifications
1.	All In One Desktop PC (HP)	15	Intel (R) Pentium (R) Processor, 64 bit process CPU G3220T 2.60 GHz, 4GB RAM, 500 GB Hard disk, HP USB keyboard, HP USB Optical 2 button mouse, Generic PnP monitor, Licensed Windows 8.1
2.	Table Type Digital Podium	01	Full HD Interactive Touch Monitor Integrated Computer System- CPU Core i5 IV Gen, 8 GB RAM, 1TB SATA HDD, Windows 10 OS, key Board and Mouse, Touch pen, Visualizer
3.	Projector (Hitachi)	01	Very Bright 4,0000 Lumen Output, XGA 1024 x 768 Resolution, Manage & Control from LAN, Built-in Stereo Speakers
4.	IOS Machines (Apple)	03	Mac OS with i5 Processor, 27" Screen 1TB Hard Disk, 8GB RAM

Lab 6: SD Lab

S. No.	Items Name	Quantity	Specifications
1.	Dell Computers	20	Dell Desktop with Intel Core i3 (3.70 GHz) processor, 8GB DDR4 RAM, 500 GB Hard disk, 18.5 inch screen, Dell keyboard, optical mouse licensed windows 10
2.	Internet of Things Kits	01 Kit	Sensor Hub Booster Pack, IoT enabled Development Board
3.	Machine Learning Setup Kit	05	Machine Learning, Edge Analytics and Android App Development Equipments

Department of Information Technology

Faculty wise allocation of teaching hours for

Session 2020-21

A. B.Tech. (ODD Semester) Information Technology

Faculty Name & Designation	Teaching Hours		Subjects Name with Code
	Theory	Total	
	Practical		
Sh. Nitesh Chouhan, Assistant Professor	3+3	16	3IT4-06:OOP + 5IT4-05:Algo
	6+4		3IT4-22:OOP Lab + 5IT4-23:Algo Lab
Sh. Anurag Jagetiya, Assistant Professor	2+3+3	16	3IT1-03:MEFA + 3IT4-04:DSA + 7IT2A:ISS
	6+2		3IT-21:DSA LAB + 5IT7-30:I Training
Sh. Amarjeet, Assistant Professor(TEQIP)	3+2+3	18	3IT4-07:SE + 5IT4-12:STPM + 7IT4A:IP
	6+4		3IT4-23:SE LAB + 7IT9A:IP LAB
Sh. Amit Gupta, Assistant Professor(TEQIP)	3+3+3	19	5IT4-02:CD + 7IT1A:SPM + 7IT3A:DMW
	4+6		5IT4-22:CD LAB + 7IT8A:DMW LAB
Sh. Arun Kumar, Assistant Professor(TEQIP)	3+3+2+2	20	5IT4-04:CGM + 7IT5A:CGMT +3TT3-04:OOP + 3TT3-04:OOP
	4+6		5IT4-21 CGM LAB + 7IT7A:CGMT LAB
Sh. Rohit Negi, Assistant Professor(TEQIP)	3+3+2	16	5IT4-03:OS + 7IT6.2A:IS +3TC3-04
	4+4		5IT4-22:A JAVA LAB + 3EC3-24:CP LAB

B. B.Tech. (EVEN Semester) Information Technology

Faculty Name & Designation	Teaching Hours		Subjects Name with Code
	Theory	Total	
	Practical		
Sh. Nitesh Chouhan, Assistant Professor	3+3	21	6IT4-04:CAO + 8IT1A:STV
	6+9		4IT4-24:Java Lab + 8IT5A:ST Lab
Sh. Anurag Jagetiya, Assistant Professor	2+3	17	6IT4-03:ISS + 8IT3A:DCT
	6+6		4IT4-21:LSP LAB + 8IT7A:AWP LAB
Sh. Amarjeet, Assistant Professor(TEQIP)	3+3	21	6IT4-06:DS + 8IT4.1A:MC
	6+9		4IT4-25:WT LAB + 6IT4-23 Python LAB
Sh. Amit Gupta, Assistant Professor(TEQIP)	3+3	29	4IT4-06:TOC + 6EC4-02:CN
	8+9+6		6EC4-21:CN LAB+ 6IT4-24 MAD LAB + 8IT8A:MAD LAB
Sh. Arun Kumar, Assistant Professor(TEQIP)	3+2+3	23	4IT4-05:DBMS + 6IT4-05:AI + 8IT2A:DIP
	9+6		4IT4-22:DBMS Lab + 8IT6A:DIP Lab
Sh. Rohit Negi, Assistant Professor(TEQIP)	3+3	24	4IT4-07:DCA + 6IT4-02:ML
	9+9		4IT4-23:Networking LAB + 6IT4-22:ML LAB

MLV Textile & Engineering College, Bhilwara

Mechanical Engineering Department

Teaching Hours for Session 2020-21(Odd Semesters)

S.No.	NAME OF FACULTY	I SEM		III SEM		V SEM		VII SEM		TOTAL
		L	P	L+T	PRAC	L+T	PRAC	L+T	PRAC	
1	A. K. Joshi		WP			POM		PDD	QC LAB	14
			3			2		3	6	
2	Dinesh K. Sharma	BME	CAMD	EM	MD LAB				SEMINAR	28
		2	9	2	9				6	
3	Arun Kumar		WP			HT	HT LAB	PG	IND. TRA	27
			9			6	6	3	3	
4	Suraj Gupta	BME	CAMD	MOS	MT LAB					26
		2	9	6	9					
5	Rahul Mourya		CAEG	ET			PE LAB		TE LAB	27
			9	3			6		9	
6	Sanjay Patel		WP			DOM-1/NDET	MD PRACTICE		FEA	27
			6			6	6		9	
7	Mukesh Tilwani		CAEG	MSE	BME LAB	MT				24
			9	3	9	3				
8	Expert Lecture			MEFA						2
				2						
Total		4	54	16	27	14	18	6	33	172

MLV Textile & Engineering College, Bhilwara									
Mechanical Engineering Department									
Teaching Hours for Session 2020-21(Even Semesters)									
S.No.	NAME	II SEM	IV SEM		VI SEM		VIII SEM		TOTAL
		PRAC	L+T	PRAC	L+T	PRAC	L+T	PRAC	
1	A. K. Joshi				QM-3		SAOM-3	IE-II-6	12
2	Dinesh K. Sharma	WP-9	FM-3	FM LAB-9			DM-3		24
3	Arun Goyal	WP-9			NMM-3	Thermal Lab-I-9			21
4	Sanjay Patel	CAEG-3	TOM-3	TOMLAB-9				METROLOGY LAB-6	24
		CAMD-3							
5	Mukesh Tilwani		MP-3	MP-9	DME-II-3	DME LAB-9			24
6	Rahul Mourya	CAMD-6			M&M-3	CIM LAB-9			24
		CAEG-6							
7	Suraj Gupta	CAMD-9			VE-3	VE LAB-9			24
		BME-4							
Total		75	21	32	27	32	24	30	241

Department of Textile Technology

Workload for- M.Tech.& B.Tech. (Odd Sem.), 2020-21 w.e.f. July 2020

S. No.	Faculty name and Designation	Work load (Hrs/Wk)		Subject Code	Subject
		Theory	Total		
		Practical			
1.	Dr. D.K. Sharma Associate Prof.	3	09	M.Tech.(I Sem)	DESA
		6		5TT	TT Lab
2.	Sh. V.K. Gupta Associate Prof.	6	12	(3TT)	FM-I
		6		3TT	WP-I
3.	Dr. Rajeev Kumar Associate Prof.	3+6	18	M.Tech.(I Sem)+5TT	TDSM+YM III
		6+ 1+2		(5TT)+ M Tech(I Sem)+7TT	SP III+ D Spg. Lab+ Ind Trg
4.	Dr. D.N.Vyas Associate Prof.	06	06	3TT	A.E.M-1
5.	Mrs. D. Vashishtha Associate Prof.	3+3	18	7TT+3TC	GMT+PTM
		6+4+2		5TT +3TC+7TT	SP III+ PTM LAB+ Ind Trg
6.	Mr.A.Vashishtha Assistant Prof	6	18	3TT	YMI
		12		3TT	SP I
7.	Sh. A. Nandwani Assistant Prof.	3	19	7TT	OE
		8+8		5TT+3TT	SP III+SPI
8.	Mr.Prakash Birla. Assistant Prof.	3+6+3	18	M.Tech.(I sem)+5TT+5TC	AFP+SPF+ SPF
		6		5TT	TF Lab
9.	Sh. K.G. Bhadada Assistant Prof.	4	18	5TT	TF
		6 + 2 + 6		5TT +5TC +3TT	TF Lab + C&D LAB+WPI
10.	Mrs. Meenu Assistant Prof.	4+2+3	19	5TT+5TC+5TC	PAS +TT I
		6+4		5TT+5TC	TT Lab +TTLAB-I
11.	Dr.H. Saraswat Assistant Prof.	3+3	18	M.Tech.(III Sem)+7TT	MTFP+FTT
		6+6		5TT	WPIII+WPV
12.	Sh Khude Prakash Arun	4+3	19	7TT+7ME	PT Seminar + OE
		6+6		3TT+7TT	WPI+WPV
13.	Sh. Vivek Prasad Shaw	6	18	5TT	TT
		12		3TT	SPI
14.	Sh. Shyam Sunder	04	16	3TT	TCP-I
		12		3TT	TCP-I Lab
15.	Guest Faculty-1	3+3	12	M Tech I + M Tech III	MTYP+TQMS
		6		7TT	SPV
16.	Guest Faculty-2	6	12	5TT	FM-III
		6		5TT	WPIII
17.	Guest Faculty-3	4+2	12	5TT+5TC	KT+KT
		6		3TT	WPI
18.	Mr. Rohit Negi	2+2	4	3TT	OOP
19.	Miss Ankita Rani	4	4	3TT1-02	TC

Department of Electronics & Communication Engineering

Faculty wise allocation of teaching hours for
Session 2020-21


Teaching Load (Odd Semesters) – (2020-21)

S. No.	Name of Faculty	Teaching Load (Hrs/week)
1	Mrs. Sarita Chauhan	18
2	Mrs. Haretaa Mallani	18
3	Mrs. Abha Singh	18
4	Mr. Ritesh Kumar Saraswat	18
5	Mr. Balaji Tripathi	18
6	Mr. Himanshu Chabbra	18
7	Mr. Chandan Kumar Choubey	18


Teaching Load (Even Semesters) – (2020-21)


S. No.	Name of Faculty	Teaching Load (Hrs/week)
1	Mrs. Sarita Chauhan	18
2	Mrs. Haretaa Mallani	19
3	Mrs. Abha Singh	18
4	Mr. Ritesh Kumar Saraswat	18
5	Mr. Balaji Tripathi	15
6	Mr. Himanshu Chabbra	17
7	Mr. Chandan Kumar Choubey	18

Classes were conducted online amid COVID-19 pandemic

 बुनियादी एवं अनुप्रयुक्त विज्ञान विभाग मा. ला. वर्मा टेक्सटाइल व इंजीनियरिंग कॉलेज, भीलवाड़ा Department of Basic & Applied Sciences M. L. V. Textile & Engineering College, Bhilwara			Session: 2020– 2021 (01.12.2020) B. Tech. I Semester SECTION – A (IT + ECE + ME)
DAY & TIME	10:00 AM to 10:45 AM	11:00 AM to 11:45 AM	
MONDAY	Engineering Mathematics – I (Dr. D. N. Vyas / Dr. Pooja Khandelwal)	Basic Electrical Engineering (Sh. Chandan Kumar Choubey)	
TUESDAY	Engineering Physics (Dr. Kamal Chand Jain)	Human Values (D. N. Vyas)	
WEDNESDAY	Engineering Mathematics – I (Dr. D. N. Vyas / Dr. Pooja Khandelwal)	Basic Electrical Engineering (Sh. Chandan Kumar Choubey)	
THURSDAY	Engineering Physics (Dr. Kamal Chand Jain)	Programming for Problem Solving (PPS) (Sh. Kailash Chandra Totla)	
FRIDAY	Engineering Mathematics – I (Dr. D. N. Vyas / Dr. Pooja Khandelwal)	Programming for Problem Solving (PPS) (Sh. Kailash Chandra Totla)	
SATURDAY	Engineering Physics (Dr. Kamal Chand Jain)	Human Values (D. N. Vyas)	

 बुनियादी एवं अनुप्रयुक्त विज्ञान विभाग मा. ला. वर्मा टेक्सटाइल व इंजीनियरिंग कॉलेज, भीलवाड़ा Department of Basic & Applied Sciences M. L. V. Textile & Engineering College, Bhilwara			Session: 2020– 2021 (01.12.2020) B. Tech. I Semester SECTION – B (TT + TC)
DAY & TIME	10:00 AM to 10:45 AM	11:00 AM to 11:45 AM	
MONDAY	Engineering Mathematics – I (M1) (Dr. D. N. Vyas / Dr. Pooja Khandelwal)	Basic Mechanical Engineering (BME) (Sh. Dinesh Kumar Sharma / Sh. Suraj Gupta)	
TUESDAY	Engineering Chemistry (EChem) (Dr. Ajay Kaushik / Sh. Rajeev Agrawal)	Basic Civil Engineering (BCE) (Guest Faculty)	
WEDNESDAY	Engineering Mathematics – I (M1) (Dr. D. N. Vyas / Dr. Pooja Khandelwal)	Basic Mechanical Engineering (BME) (Sh. Dinesh Kumar Sharma / Sh. Suraj Gupta)	
THURSDAY	Engineering Chemistry (EChem) (Dr. Ajay Kaushik / Sh. Rajeev Agrawal)	Communication Skills (Ms. Ankita Rani)	
FRIDAY	Engineering Mathematics – I (M1) (Dr. D. N. Vyas / Dr. Pooja Khandelwal)	Basic Civil Engineering (BCE) (Guest Faculty)	
SATURDAY	Engineering Chemistry (EChem) (Dr. Ajay Kaushik / Sh. Rajeev Agrawal)	Communication Skills (Ms. Ankita Rani)	

 बुनियादी एवं अनुप्रयुक्त विज्ञान विभाग मा. ला. वर्मा टेक्सटाइल व इंजीनियरिंग कॉलेज, भीलवाड़ा Department of Basic & Applied Sciences M. L. V. Textile & Engineering College, Bhilwara			Session: 2020– 2021 (23.04.2021) B. Tech. II Semester SECTION – A (IT + EC + ME)	
DAY & TIME	10:00 AM to 10:45 AM	11:00 AM to 11:45 AM		
MONDAY	Engineering Mathematics – II (M2) (Dr. D. N. Vyas / Dr. Pooja Khandelwal)	Basic Mechanical Engineering (BME) (Sh. Dinesh Kumar Sharma / Sh. Suraj Gupta)		
TUESDAY	Engineering Chemistry (EChem) (Sh. Rajeev Agrawal)	Basic Civil Engineering (BCE) (Guest Faculty)		
WEDNESDAY	Engineering Mathematics – II (M2) (Dr. D. N. Vyas / Dr. Pooja Khandelwal)	Basic Mechanical Engineering (BME) (Sh. Dinesh Kumar Sharma / Sh. Suraj Gupta)		
THURSDAY	Engineering Chemistry (EChem) (Sh. Rajeev Agrawal)	Communication Skills (Ms. Ankita Rani)		
FRIDAY	Engineering Mathematics – II (M2) (Dr. D. N. Vyas / Dr. Pooja Khandelwal)	Basic Civil Engineering (BCE) (Guest Faculty)		
SATURDAY	Engineering Chemistry (EChem) (Sh. Rajeev Agrawal)	Communication Skills (Ms. Ankita Rani)		

 बुनियादी एवं अनुप्रयुक्त विज्ञान विभाग मा. ला. वर्मा टेक्सटाइल व इंजीनियरिंग कॉलेज, भीलवाड़ा Department of Basic & Applied Sciences M. L. V. Textile & Engineering College, Bhilwara			Session: 2020– 2021 (23.04.2021) B. Tech. II Semester SECTION – B (TT + TC)	
DAY & TIME	10:00 AM to 10:45 AM	11:00 AM to 11:45 AM		
MONDAY	Engineering Mathematics – II (M2) (Dr. D. N. Vyas / Dr. Pooja Khandelwal)	Basic Electrical Engineering (BEE) (Sh. Chandan Kumar Choubey)		
TUESDAY	Engineering Physics (EPhys) (Dr. Kamal Chand Jain)	Human Values (HV) (D. N. Vyas)		
WEDNESDAY	Engineering Mathematics – II (M2) (Dr. D. N. Vyas / Dr. Pooja Khandelwal)	Basic Electrical Engineering (BEE) (Sh. Chandan Kumar Choubey)		
THURSDAY	Engineering Physics (EPhys) (Dr. Kamal Chand Jain)	Programming for Problem Solving (PPS) (Sh. Kailash Chandra Totla)		
FRIDAY	Engineering Mathematics – II (M2) (Dr. D. N. Vyas / Dr. Pooja Khandelwal)	Programming for Problem Solving (PPS) (Sh. Kailash Chandra Totla)		
SATURDAY	Engineering Physics (EPhys) (Dr. Kamal Chand Jain)	Human Values (HV) (D. N. Vyas)		

Department of Information Technology

III Semester

Week Days	1 09:00–10:00	2 10:00–11:00	3 11:00–12:00	4 12:00–13:00	Break 13:00–14:00	6 14:00–15:00	7 15:00–16:00
Mon	DE Lab (A)		Ritesh	OOPS LT-6 (Nitesh)	Lunch Break	AEM-I LT-6 (Pooja)	DE LT-6 (Ritesh)
	Comm. Lab	PL Lab					
Tue	SE Lab (A)		Amarjeet	--		SE LT-6 (Amarjeet)	DE LT-6 (Ritesh)
	VLSI Lab						
Wed	MEFA LT-4 (AJ)	--	--	OOPS LT-6 (Nitesh)		DSA LT-6 (Anurag)	AEM-I LT-6 (Pooja)
Thu	--			DSA LT-6 (Anurag)		SE LT-6 (Amarjeet)	DE LT-6 (Ritesh)
	DE Lab (B)		Ritesh				
Fri	OOPs Lab (A)		Nitesh	--	AEM-I LT-6 (Pooja)	SE LT-6 (Amarjeet)	
	CC Lab	VLSI Lab					Amarjeet
Sat	DSA Lab (A)		Anurag	OOPS LT-6 (Nitesh)	DSA LT-6 (Anurag)	MEFA LT-4 (AJ)	
	PL Lab	CC Lab					OOPs Lab (B)

V Semester

Week Days	1 09:00–10:00	2 10:00–11:00	3 11:00–12:00	4 12:00–13:00	Break 13:00–14:00	6 14:00–15:00	7 15:00–16:00
Mon	OS LT-6 (Rohit)	AAalgo LT-6 (Nitesh)	STPM LT-6 (Amarjeet)	--	Lunch Break	--	--
Tue	CD LT-6 (Amit)	CGM LT-6 (AK)	AAalgo LT-6 (Nitesh)	--		CD Lab (A) VLSI Lab (Amit)	
Wed	CD LT-6 (Amit)	CGM LT-6 (AK)	OS LT-6 (Rohit)	--			
Thu	MPI LT-6 (Lakhan)	STPM LT-6 (Amarjeet)	AAalgo LT-6 (Nitesh)	--			
Fri	--	CGM LT-6 (AK)	OS LT-6 (Rohit)	--			
Sat		MPI LT-6 (Lakhan)	CD LT-6 (Amit)	--			

MLV Textile & Engineering College, Bhilwara							
Department of Mechanical Engineering							
TIME TABLE ODD SEM. 2020-21							
YEAR(SEMESTER):- II (III)					ROOM NO. 10		
DAY	I	II	III	IV	V	VI	VII
	9:00-10:00	10:00-11:00	11:00-12:00	12:00-1:00	1:00-2:00	2:00-3:00	3:00-4:00
Mon.	MOS(SG)	ET(RM)	EM(DS)	Break	BME LAB A1(MT)		
					MD LAB A2(DS)		
					MT LAB A3(SG)		
Tues.	MOS(SG)	AEM	MEFA		BME LAB A2(MT)		
					MD LAB A3(DS)		
					MT LAB A1(SG)		
Wed.	MOS(SG)	ET(RM)	ET(RM)		BME LAB A3(MT)		
					MD LAB A1(DS)		
					MT LAB A2(SG)		
Thur.	AEM	MSE(MT)	MEFA		MAT LAB A1		
Fri.	EM(DS)	MSE(MT)			MAT LAB A2		
Sat	AEM	MSE(MT)			MAT LAB A3		
THEORY				LAB			
ADVANCED ENGINEERING MATHEMATICS-1(AEM)				MACHINE DRAWING PRACTICE(MDP): DINESH SHARMA(DS)			
MANAGERIAL ECONOMICS AND FINANCIAL ACCOUNTING(MEFA)				MATERIAL TESTING LAB(MT): SURAJ GUPTA (SG)			
ENGINEERING MECHANICS(EM): DINESH SHARMA(DS)				BASIC MECHANICAL ENGINEERING(BME): MUKESH TILWANI(MT)			
ENGINEERING THERMODYNAMICS(ET): RAHUL MOURYA(RM)				PROGRAMMING USING MAT LAB(MAT LAB)			
MATERIAL SCIENCE AND ENGINEERING(MSE): MUKESH TILWANI(MT)							
MECHANICS OF SOLIDS(MOS): SURAJ GUPTA(SG)				CLASS COORDINATOR		SURAJ GUPTA	

MLV Textile & Engineering College, Bhilwara									
Department of Mechanical Engineering									
TIME TABLE ODD SEM. 2020-21									
YEAR(SEMESTER):- III (V)						LT-7			
DAY	I	I	II	III	IV	V	VI	VII	
	9:00-10:00	10:00-1100	11:00-12:00	12:00-1:00	1:00-2:00	2:00-3:00		3:00-4:00	
Mon.		HT(AG)	POM(AJ)	DME1(SP)	Break				
							MECHATRONIC LAB (A1)		
Tue		MT(MT)	POM(AJ)	NDET(SP)					
							MECHATRONIC LAB (A2)		
Wed		HT(AG)	MECHATR	DME 1(SP)					
							MECHATRONIC LAB (A3)		
Thu	MT (MT)		MECHATR	NDET(SP)			HT LAB(A1), AG		
							PE LAB(A2) RM		
							MD PRACTICE(A3) SP		
Fri		HT(AG)		DME1(SP)			HT LAB(A2), AG		
							PE LAB(A1) RM		
							MD PRACTICE(A3) SP		
Sat	MT (MT)			NDET(SP)			HT LAB(A3), AG		
							PE LAB(A2) RM		
						MD PRACTICE(A1) SP			
THEORY				LAB					
MECHATRONIC SYSTEM: CHANDAN KUMAR				MECHATRONIC LAB: CHANDAN KUMAR CHOUBEY					
HEAT TRANSFER(HT): ARUN GOYAL (AG)				HEAT TRANSFER LAB(HT LAB): ARUN KUMAR GOYAL					
MANUFACTURING TECHNOLOGY(MT):MUKESH TILWANI(MT)				PRODUCTION ENGINEERING LAB(PE LAB): RAHUL SINGH MOURYA					
DESIGN OF MACHINE ELEMENTS (DME-1): SANJAY KUMAR PATEL (SP)				MACHINE DESIGN PRACTICE (MDP): SANJAY KUMAR PATEL					
NON DESTRUCTIVE EVALUATION TESTING : SANJAY KUMAR PATEL									
PRINCIPLE OF MANAGEMENT (POM): AJIT KUMAR JOSHI(AJ)				CLASS COORDINATOR		MUKESH TILWANI			

MLV Textile & Engineering College, Bhilwara							
Department of Mechanical Engineering							
TIME TABLE ODD SEM. 2020-21							
YEAR(SEMESTER):- IV (VII)			w.e.f 1.7.2020		LT-7		
DAY	I	II	III	IV		V	VI
	9:00-10:00	10:00-1100	11:00-12:00	12:00-1:00	1:00-2:00	2:00-3:00	3:00-4:00
Mon.			PDD (AKJ)		FEA LAB, A3		
					TE LAB, A1(RM)(D K SINHA)		
					QC LAB, A2, AKJ		
Tues.			PG(AKG)		TE LAB, A2(RM)(D K SINHA)		
					FEA LAB, A1		
					QC LAB, A3, AKJ		
Wed.			PDD (AKJ)		FEA LAB, A2		
					TE LAB, A3 (RM) (D K SINHA)		
					QC LAB, A1, AKJ		
Thur.			PG(AKG)				
FRI			PDD (AKJ)				
SAT			PG(AKG)				
THEORY				LAB			
PRODUCT DESIGN AND DEVELOPMENT: AJIT KUMAR JOSHI				Thermal Engineering Lab-II(TE Lab-II): RAHUL SINGH MOURYA			
POWER GENERATION: ARUN KUMAR GOYAL				FEA Lab (FEM Lab): SANJAYKUMAR PATEL			
				QUALITY CONTROL : AJIT K JOSHI			
				IND. TARINING: ARUN KUMAR GOYAL			
				SEMINAR: DINESH KUMAR SHARMA			
				CLASS CORDINATOR		SANJAY KUMAR PATEL	

EVEN SEMESTERS
MLV Textile & Engineering College, Bhilwara
Department of Mechanical Engineering
TIME TABLE EVEN SEM. 2020-21

YEAR(SEMESTER):- II (IV)					LT-7		
DAY	I	II	III	IV		V	VI
	09:00-10:00	10:00-11:00	11:00-12:00	12:00-1:00	1:00-2:00	2:00-3:00	3:00-4:00
Mon.	PP LAB(A1), M.T.			Break	TOM(T), A1(S.K.P)	TOM, S.K.P.	DA Dr. D. N. Vyas
	DIGITAL LAB (A2), Chandan Kumar Choubey						
Tues.	FM LAB (A1), D.S.				TC A.R.	TOM, S.K.P.	TOM(T), A2(S.K.P)
	TOM LAB (A2), S.P.						
Wed.	PP LAB(A3), M.T.				FM, D.S.	TOM, S.K.P.	TOM(T), A3(S.K.P)
	FM LAB(A2), D.S.						
Thur.	FM LAB (A3), D.S.				MP, M.T.	DA Dr. D. N. Vyas	FM, D.S.
	TOM LAB (A1), S.P.						
Fri.	PP LAB(A2), M.T.			TC A.R.	MP, M.T.	DE, B.T.	
	DIGITAL LAB (A3), Dr. Ritesh Kumar Saraswat						
Sat	DIGITAL LAB (A1), Chandan Kumar Choubey			MP, M.T.	DE, B.T.	FM, D.S.	
	TOM LAB (A3), S.P.						
THEORY				LAB			
FLUID MECHANICS(FM): DINESH SHARMA(D.S.)				FLUID MECHANICS(FM) LAB: DINESH SHARMA(D.S.)			
THEORY OF MACHINES(TOM): SANJAY KUMAR PATEL(S.K.P.)				THEORY OF MACHINES(TOM) LAB: SANJAY KUMAR PATEL(S.K.P.)			
MANUFACTURING PROCESSES(MP): MUKESH TILWANI(M.T.)				PRODUCTION PRACTICE(PP) LAB, MUKESH TILWANI(M.T.)			
DIGITAL ELECTRONICS(DE): BALAJI TRIPATHI(B.T.)				DIGITAL ELECTRONICS(DE) LAB: Chandan Choubey/ Dr. Ritesh Saraswat			
TECHNICAL COMMUNICATION(TC):MS. ANKITA RANI(A.R.)				CLASS CO-ORDINATOR: MR. RAHUL SINGH MAOURYA			
DATA ANALYTICS(DA): DR. D. N. VYAS							

MLV Textile & Engineering College, Bhilwara
Department of Mechanical Engineering
TIME TABLE EVEN SEM. 2020-21

YEAR(SEMESTER):- III (VI)					LT-7			
DAY	I	II	III	IV		V	VI	
	09:00-10:00	10:00-11:00	11:00-12:00	12:00-1:00	1:00-2:00	2:00-3:00	3:00-4:00	
Mon.	M&M(R.M.)		MV(S.G.)	Break	CIMS LAB, A1(R.M.)			
					MDP LAB, A3(M.T.)			
Tues.	QM(A.K.J.)	DME-II(M.T.)	CIMS		CIMS LAB, A2(R.M.)			
					MDP LAB, A1(M.T.)			
Wed.	MV(S.G.)	CIMS	CIMS		MDP LAB, A2(M.T.)			
					VIB. LAB, A3(S.G.)			
Thur.	M&M(R.M.)	NMM(A.G.)	DME-II(M.T.)		THERMAL LAB-I, A1(A.G.)			
					VIB. LAB, A2(S.G.)			
Fri.	MV(S.G.)	NMM(A.G.)	QM(A.K.J.)		THERMAL LAB-I, A2(A.G.)			
					CIMS LAB, A3(RM)			
Sat	QM(A.K.J.)	DME-II(M.T.)	NMM(A.G.)		THERMAL LAB-I, A3(A.G.)			
					VIB. LAB, A1(S.G.)			
THEORY					LAB			
MEASUREMENT & METROLOGY: RAHUL MAOURYA(R.M.)					CIMS LAB: RAHUL MAOURYA(R.M.)			
CIMS:EXPERT LECTURE(E.L)				VIBRATION LAB: SURAJ GUPTA(S.G.)				
MECHANICAL VIBRATIONS:SURAJ GUPTA(S.G.)				MACHINE DESIGN PRACTICE -II LAB: MUKESH TILWANI(M.T.)				
DESIGN OF MACHINE ELEMENTS-II:MUKESH TILWANI(M.T.)				THERMAL ENGINEERING LAB-I:ARUN GOYAL(A.G.)				
QUALITY MANAGEMENT:AJIT KUMAR JOSHI(A.K.J.)				CLASS CO-ORDINATOR: MR. MUKESH TILWANI				
NON-CONVENTIONAL MACHINING METHODS: ARUN GOAL(A.G.)								

MLV Textile & Engineering College, Bhilwara
Department of Mechanical Engineering
TIME TABLE EVEN SEM. 2020-21

YEAR(SEMESTER):- IV (VIII)						LT-8		
DAY	I	II	III	IV		V	VI	
	09:00-10:00	10:00-11:00	11:00-12:00	12:00-1:00	1:00-2:00	2:00-3:00	3:00-4:00	
Mon.			SAOM(AKJ)	Break		IE-II(A2),		
Tues.			DISATER MANAGEMENT(DS)			IE-II(A3),		
Wed.			SAOM(AKJ)			IE-II(A1),		
Thur.			DISATER MANAGEMENT(DS)			METROLOGY LAB(SKP)		
FRI			SAOM(AKJ)			METROLOGY LAB(SKP)		
SAT			DISATER MANAGEMENT(DS)			METROLOGY LAB(SKP)		
THEORY					LAB			
DISASTER MANAGEMENT: DINESH SHARMA					INDUSTRIAL ENGINEERING LAB:AJIT KUMAR JOSHI			
SUPPLY AND OPERATIONS MANagements: AJIT KR. JOSHI					METROLOGY LAB:SANJAY KUMAR PATEL			
					PROJECT:PROJECT CORDINATOR: SURAJ GUPTA/DINESH SHARMA			
CLASS CO-ORDINATOR:MR. SANJAY KUMAR PATEL								

Department of Electronics & Communication Engineering
ODD SEMESTERS
III Semester

Week Days	1 09:00–10:00	2 10:00–11:00	3 11:00–12:00	4 12:00–13:00	Break 13:00–14:00	6 14:00–15:00	7 15:00–16:00
Mon	ED Tutorial (HM)	SS (AS)	ED (HC)	TC/ME (AR)	BREAK	SPL Antenna Lab AS	
Tue	TC/ME (AR)	NT (HC)	AEM – I (PK)	ED (HC)		CP Lab 1 Comm. Lab AG	
Wed	NT Tutorial (RS)	SS (AS)	DSD (RS)	ED (HC)		DSDL D&MP Lab RS	
Thu	TC/ME (AR)	NT (HC)	AEM – I (PK)	--		Training (CC)	--
Fri	--	ED AE Lab AS		--		SS (AS)	DSD (RS)
Sat	NT (HC)	AEM – I (PK)	DSD (RS)	--		--	

V Semester

Week Days	1 09:00–10:00	2 10:00–11:00	3 11:00–12:00	4 12:00–13:00	Break 13:00–14:00	6 14:00–15:00	7 15:00–16:00
Mon	BM (BT)	ME-1 (CC)	EMW (BT)	CS (AS)	BREAK	--	--
Tue	EMW (BT)	ME-1 (CC)	BM (BT)	CS (AS)		Training (AS/BT)	DSP (HM)
Wed	CA (AG)	--	ME Lab (A) Antenna Lab CC			DSP (HM)	CS (AS)
		D&MP Lab DSP Lab (B) HM					
Thu	ME-1 (CC)	RFS Lab (B) Antenna Lab HM		EMW (BT)		DSP (HM)	
Fri	--	RFS Lab (A) Antenna Lab HM		--		--	
		ME Lab (A) Antenna Lab CC					
Sat	DSP Lab (A) D&MP Lab HM			CA (AG)	--		

Department of Electronics & Communication Engineering

VII Semester

Week Days	1 09:00–10:00	2 10:00–11:00	3 11:00–12:00	4 12:00–13:00	Break 13:00–14:00	6 14:00–15:00	7 15:00–16:00
Mon	AC Lab (A) Comm. Lab HC		Training	--	BREAK	VD (SC)	SE (SC)
	VLSI Lab (B) AE Lab SC					SE (SC)	VD (SC)
Tue	VLSI Lab (A) AE Lab SC					SEMINAR (HC)	
Wed	Training (AS)	--	VD (SC)	SE (SC)		--	--
Thu	OC Lab (A) Comm. Lab BT		OC Lab (B) Comm. Lab BT			--	--
Fri	--	AC Lab (B) Comm. Lab HC		--		--	--
Sat	--	--	--	--		--	--

EVEN SEMESTERS

IV Semester

Week Days	1 09:00–10:00	2 10:00–11:00	3 11:00–12:00	4 12:00–13:00	Break 13:00–14:00	6 14:00–15:00	7 15:00–16:00	
Mon	D&MP Lab	MC Lab AS		EMI (HC)	BREAK	AC (CC)	ADC (RS)	
Tue	AEM – II (PK)	EMI Lab EMI Lab HC				ME (BT)	ADC (RS)	
Wed	AEM – II (PK)	ADC Lab Comm. Lab RS				MC (AS)	AC (CC)	
Thu	EMI (HC)	AEM – II (PK)	MC (AS)	ME (BT)		--	--	
Fri	AC (CC)	EMI (HC)	MC (AS)	ADC (RS)		--	--	
Sat	AC Lab AE Lab SC			--		--	--	

Department of Electronics & Communication Engineering

VI Semester

Week Days	1 09:00–10:00	2 10:00–11:00	3 11:00–12:00	4 12:00–13:00	Break 13:00–14:00	6 14:00–15:00	7 15:00–16:00
Mon	PE (CC)	FOC (HM)	AAP (BT)	ITC (HM)	BREAK	--	--
Tue	PE (CC)	FOC (HM)	AAP (BT)	CN (IT)		--	--
Wed	CN Lab (A)			IT		AAP (BT)	ITC (HM)
	EED Lab (B)			HM			
Thu	CN (IT)	PE Lab (A)		--			
		AE Lab	CC				
		AWP Lab (B)					
		Antenna Lab	BT				
Fri	CN Lab (B)			IT	NE (SC)	ITC (HM)	
	EED Lab (A)			HM			
		D & MP Lab					
Sat	PE (CC)	PE Lab (B)		NE (SC)			
		AE Lab	CC				
		AWP Lab (A)					
		Antenna Lab	BT				
					CN (IT)	--	

VIII Semester

Week Days	1 09:00–10:00	2 10:00–11:00	3 11:00–12:00	4 12:00–13:00	Break 13:00–14:00	6 14:00–15:00	7 15:00–16:00
Mon	--	DIP (HC)	PS (HM)	EM (SC)	BREAK	--	--
Tue	DIP (HC)	EM (SC)	S Dev. Lab (A)				
			AE Lab	AS			
			IOT Lab (B)				
		CCC Lab	CC				
Wed	S Dev. Lab (B)		DIP (HC)	EM (SC)			
	AE Lab	AS					
	IOT Lab (A)						
		CCC Lab	CC				
Thu	--	--	--	--	--	--	
Fri	--	--	--	--	--	--	
Sat	--	--	--	--	--	--	

Time Table : 3rdSEM (TT), 2020-21 w.e.f. 01.JULY.20 R No.- LT2 SECTION- A (UptoEnrl. No 75)

Days /Period	09:00	10:00	11:00	12:00	1:00	2:00	3:00
MON	SP1/ WP1/ TFLAB A1 / A2 / A3 A.Vashishtha / VKG /KGB		TF 3TT4-05 KGB	FM I 3TT4-07 VKG	R E C E S S	In – house Training	
TUE	SP1/ WP1/ TFLAB A2 / A3 / A1 A.Vashishtha / VKG / KGB		TF 3TT4-05 KGB	FM I 3TT4-07 VKG		In – house Training	
WED	SP1/ WP1/ TFLAB A3 / A1 / A2 A.Vashishtha / VKG / KGB		OOP 3TT3-04 RN	FM I 3TT4-07 VKG		In – house Training	
THU	SP1/ WP1/ TCPLAB-I A1 / A2 / A3 A.Vashishtha / KGB / SSB		YM I 3TT4-06 A.Vashishtha	A.E.M-1 3TT2-01 DNV		TC 3TT1-02 AR	TCP-I 3TT4-08 SSB
FRI	SP1/ WP1/ TCPLAB-I A2 / A3 / A1 A.Vashishtha / KGB / SSB		YM I 3TT4-06 A.Vashishtha	A.E.M-1 3TT2-01 DNV		TC 3TT1-02 AR	TCP-I 3TT4-08 SSB
SAT	SP1/ WP1 / TCPLAB-I A3 / A1 / A2 A.Vashishtha / KGB / SSB		YM I 3TT4-06 A.Vashishtha	A.E.M-1 3TT2-01 DNV		OOP 3TT3-04 RN	

RECESS : 1:00– 2:00

Class Incharge- Sh. Arvind Vashishtha

(Practical batches for section A - A1, A2, A3 & for section B - B1, B2 & B3, each batch consists of 25 students)

Time Table : 3rdSEM (TT), 2020-21 w.e.f. 01.JULY.20 R No.- LT3 SECTION- B (Enrl. No 76 ONWARDS)

Days/ Period	09:00	10:00	11:00	12:00	1:00	2:00	3:00
MON	SP1/ WP1/ TCPLAB-I B1 / B2 / B3 VS / GF-3 / SSB		YM I 3TT4-06 A.Vashishtha	A.E.M-1 3TT2-01 D.N.Vyas	R E C E S S	FM I 3TT4-07 VKG	TF 3TT4-05 KGB
TUE	SP1/ WP1 / TCPLAB-I B2 / B3 / B1 VS / GF-3 / SSB		YM I 3TT4-06 A.Vashishtha	A.E.M-1 3TT2-01 D.N.Vyas		FM I 3TT4-07 VKG	TF 3TT4-05 KGB
WED	SP1/ WP1 / TCPLAB-I B3 / B1 / B2 VS / GF-3 / SSB		YM I 3TT4-06 A.Vashishtha	A.E.M-1 3TT2-01 D.N.Vyas		FM I 3TT4-07 VKG	OOP 3TT3-04 RN
THU	SP1/ WP1 / TFLAB B1 / B2 / B3 VS/ KPA / PCB		TC 3TT1-02 AR	TCP-I 3TT4-08 SSB		In – house Training	
FRI	SP1/ WP1 / TFLAB B2 / B3 / B1 VS/ KPA / PCB		TC 3TT1-02 AR	TCP-I 3TT4-08 SSB		In – house Training	
SAT	SP1/ WP1 / TFLAB B3 / B1 / B2 VS / KPA / PCB		OOP 3TT3-04 RN			In – house Training	

Time Table: 5th SEM(TT), 2020-21 w.e.f. 15.JULY.19 R No.- LT2 SECTION- A (Upto Enrl. No 75)

Days /Period	09:00	10:00	11:00	12:00	1:00	2:00	3:00
MON	TT I (5TT4-04) VS	YM III (5TT4-02) Rajiv Kr.	SP III / WP III / TT Lab-I A1 / A2 / A3 Rajiv Kr./ H.Saraswat / D.k.Sharma		R E C E S S	SPF (5TT4-05) P.C.Birla	PAS (5TT3-01) M.Munjhal
TUE	TT I (5TT4-04) VS	YM III (5TT4-02) Rajiv Kr.	SP III / WP III / TT Lab-I A2 / A3/ A1 Rajiv Kr./ H.Saraswat / D.k.Sharma			SPF (5TT4-05) P.C.Birla	PAS (5TT3-01) M.Munjhal
WED	TT I (5TT4-04) VS	YM III (5TT4-02) Rajiv Kr.	SP III / WP III / TT Lab-I A3 / A1/ A2 Rajiv Kr./ H.Saraswat / D.k.Sharma			SPF (5TT4-05) P.C.Birla	
THU	FM III (5TT4-03) GF-2	KT (5TT4-06) KPA	TT Lab-I A1 RS			Room No. 58	
FRI	FM III (5TT4-03) GF-2	KT (5TT4-06) KPA	TT Lab-I A2 RS			Industrial Training	
SAT	FM III (5TT4-03) GF-2		TT Lab-I A3 RS			Industrial Training	
						Industrial Training	

RECESS : 1:00– 2:00 Class

Class Incharge- Sh. Vivek Prasad Shaw

(Practical batches for section A - A1, A2, A3& for section B - B1, B2 & B3, each batch consists of 25 students)

Time Table: 5th SEM (TT), 2020-21 w.e.f. 15.JULY.20 R No.- LT3 SECTION- - B (Enrl. No 76 ONWARDS)

Days /Period	09:00	10:00	11:00	12:00	1:00	2:00	3:00
MON	SPF (5TT4-05) P.C.Birla	FM III (5TT4-03) GF-2	Industrial Training		R E C E S S	TT Lab-I B1 RS	
TUE	SPF (5TT4-05) P.C.Birla	FM III (5TT4-03) GF-2	Industrial Training			TT Lab-I B2 RS	
WED	SPF (5TT4-05) P.C.Birla	FM III (5TT4-03) GF-2	Industrial Training			TT Lab-I B3 RS	
THU	PAS (5TT3-01) M.Munjhal	YM III (5TT4-02) Rajiv Kr	SP III / WP III / TT Lab-I B1 / B2 / B3 DV/GF-2/ M.Munjhal			TT I (5TT4-04) VS	KT (5TT4-06) GF-3
FRI	PAS (5TT3-01) M.Munjhal	YM III (5TT4-02) Rajiv Kr	SP III / WP III / TT Lab-I B2 / B3 / B1 DV / GF-2 /M.Munjhal			TT I (5TT4-04) VS	KT (5TT4-06) GF-3
SAT		YM III (5TT4-02) Rajiv Kr	SP III / WP III / TT Lab-I B3 / B1 / B2 DV / GF-2/ M.Munjhal			TT I (5TT4-04) VS	

Time Table: 7thSEM (TT), 2020-21 w.e.f. 01.JULY.20 R No.- LT1 SECTION- A (UptoEnrl. No 75)

Days /Period	09:00	10:00	11:00	12:00	1:00	2:00	3:00
MON	FTT (7TT6.1A) HS			A3 PT SEMINAR KPA	R E C E S S	Industrial Training	
TUE	FTT (7TT6.1A) HS			A1 PT SEMINAR KPA		Industrial Training	
WED	FTT (7TT6.1A) HS			A2 PT SEMINAR KPA		Industrial Training	
THU	Quality management			A 1 / A2 SP V / WP V GF-1 / KPA			
FRI	Quality management			A2 / A3 SP V / WP V GF-1 / PKA			
SAT	Quality management			A3 / A1 SP V / WP V GF-1 / PKA			

RECESS : 1:00– 2:00

Class Incharge- Sh. Prakash Arun Khude

(Practical Batches for section A – A1,A2,A3 & for section B – B1,B2,B3, each consists of 25 students)

Time Table: 7th SEM(TT) 2020-21 w .e .f. 01.JULY.20 ROOM No.- LT1 SECTION- B(Enrl.No- 76 ONWARDS)

Days /Period	09:00	10:00	11:00	12:00	1:00	2:00	3:00
MON		GMT (7TT6.2A) D.Vashishtha		B1 / B2 SP V / WP V GF-1 / HS	R E C E S S		
TUE		GMT (7TT6.2A) D.Vashishtha		B2 / B3 SP V / WP V GF-1 / HS			
WED		GMT (7TT6.2A) D.Vashishtha		B3 / B1 GF-1 / WP V GF-1 / HS			
THU		Quality management		B3 PT SEMINAR KPA		Industrial Training	
FRI		Quality management		B1 PT SEMINAR KPA		Industrial Training	
SAT		Quality management		B2 PT SEMINAR KPA		Industrial Training	

Time Table M. Tech. (T T) Semester – I

(Effective from December 2021)

Day	11.00 AM to 12.00 Noon	11.00 Noon to 01.00PM	01.00PM to 2.00PM	2.00PM to 3.00PM
Monday	RM & IPR Meenu Munjal	TDSM Rajeev Kr.	AFP P.C.Birla	
Tuesday	RM & IPR Meenu Munjal	TDSM Rajeev Kr.	AFP P.C.Birla	
Wednesday	TQMS GF-1	TDSM /APDT Rajeev Kr.	AFP P.C.Birla	
Thursday	TQMS GF-1	DESA D.K.Sharma	D Spg & Processing Lab Rajeev Kr	
Friday	TQMS GF-1	DESA D.K.Sharma	D Spg & Processing Lab Rajeev Kr	
Saturday		DESA D.K.Sharma	QM Lab GF-1	

Revised Time Table M. Tech. (T.T.) Semester-III Effective from - July 20

Day	12.00 AM to 01.00 Noon	01.00 Noon to 02.00PM	4.00PM to 5.00PM	5.00PM to 6.00PM
Monday			MTFP / EWCPI H.Saraswat / V.K.Gupta	Seminar
Tuesday			MTFP / EWCPI H.Saraswat / V.K.Gupta	Seminar
Wednesday			MTFP / EWCPI H.Saraswat / V.K.Gupta	Seminar
Thursday			MTYP / ATF GF-1 / V.K.Gupta	Seminar
Friday			MTYP / ATF GF-1 / V.K.Gupta	
Saturday	Dissertation Stage - I		MTYP / ATF A Vashishtha / V.K.Gupta	

Workload for Textile RS Ph D (TT) - B.Tech. (OddSem.), 2020-21 w.e.f. July 2020

S.No	Faculty name and Designation	Work load (Hrs/Wk)		Subject Code	Subject
		Theory	Total		
		Practical			
1.	RS3(M)		12	5TT+7TT	SP-III+SPV
		6+6			
2.	RS4(SM)	6+6	12	3TT+ 5TT	WP I +WP-V

Workload for Textile RA M TECH (TT) - B.Tech. (OddSem.), 2020-21 w.e.f. July 2020

S.No	Faculty name and Designation	Work load (Hrs/Wk)		Subject Code	Subject
		Theory	Total		
		Practical			
1.	RA1(KG)	8	08	7TT	WP-V
2.	RA2(AS)	10	10	5TT	TT LAB

LIST OF EXPERIMENTS

Department of Mechanical Engineering

List of Experiments for III Semester B. Tech. (Mechanical Engineering)

3ME4-21 : MACHINE DRAWING PRACTICE

S. No.	Experiment
1	Assembly drawing with sectioning and bill of materials of the following: Lathe tail stock, shaper tool head, swivel machine vice etc (1 drawing sheet of any assembly)
2	Detailed part drawings from assembly drawing indicating fits, tolerances and surface finish symbols by referring BIS codes: Check-valve, Junction Valve etc (1 drawing sheet)
3	Computer Aided Drafting: Introduction to different features of the CAD Software (AutoCAD/ProE/ CREO/Solid works). At least one drawing problem related to a. 2-D Drafting. b. 3-D Modelling. c. 3-D Advanced Modelling. d. Assembly modelling. e. Feature Modification and Manipulation f. Detailing. g. Surface Modelling

3ME4-22 : MATERIALS TESTING LAB

S. No.	Experiment
1	Study of various crystals structures through models BCC, FCC, HCP, tetrahedral and octahedral voids. Material identification of, say, 50 common items kept in a box.
2	Specimen preparation for metallographic examination /micro structural examination-cutting, grinding, polishing, etching.
3	Comparative study of microstructures of different given specimens (mild steel, gray C.I., brass, copper etc.)
4	Heat treatment experiments such as annealing, normalizing, quenching, case hardening and comparison of hardness before and after.
5	Study of Microstructure and hardness of steel at different rates of cooling. Microstructure examination of white cast iron.
6	To perform Tensile/Compressive/Shear/torsion test on a given material and to determine its various mechanical properties under tensile/compression/Shear/torsional loading
7	To determine Rockwell/ Vickers/Brinell hardness of a given material
8	To perform Impact test on a given material and to determine its resilience
9	To study and perform Fatigue test on a given material and to determine fatigue strength of the material
10	To perform a Bending test and to determine the Young's Modulus of Elasticity via deflection of beam.
11	Creep testing on creep testing machine

3ME4-23 : BASIC MECHANICAL ENGINEERING LAB

S. No.	Experiment
1	Exposure to a wide range of applications of mechanical engineering through a variety of activities, including hands-on assembly and disassembly of machines, such as, bicycle, sewing machine, pumps, engines, air-conditioners, machine-tools, amongst others; observational study of complex systems via cut sections, visits, videos and computer simulations; design of simple machines/systems including specifications formulation; visits to industries.
2	Note: Students will be required to submit a written report indicating the learning achieved by Hands on assembly/Disassembly.

3ME4-24: PROGRAMMING USING MATLAB

S. No.	Experiment
1	Basics of MATLAB computer programming
2	Use of formulae and inbuilt functions
3	MATLAB scripts and functions (m-files)
4	Loops and nested loops
5	Array, vector and matrices
6	Plotting functions and vector plots
7	Solving differential equations using MATLAB
8	Reading and writing data, file handling
9	Using MATLAB toolboxes
10	MATLAB graphic functions

List of Experiments for IV Semester B. Tech. (Mechanical Engineering)

4ME3-21: DIGITAL ELECTRONICS LAB

S. No.	Experiment
1	To verify the truth tables of basic logic gates: AND, OR, NOR, NAND, NOR. Also to verify the truth table of Ex-OR, Ex-NOR (For 2, 3 & 4 inputs using gates with 2, 3, & 4 inputs).
2	To verify the truth table of OR, AND, NOR, Ex-OR. Ex-NOR realized using NAND & NOR gates.
3	To realize an SOP and POS expression.
4	To realize Half adder/ Subtractor & Full Adder/ Subtractor using NAND & NOR gates and to verify their truth tables.
5	To realize a 4-bit ripple adder/ Subtractor using basic half adder/ Subtractor & basic Full Adder/ Subtractor.
6	To verify the truth table of 4-to-1 multiplexer and 1-to-4 demultiplexer. Realize the multiplexer using basic gates only. Also to construct and 8-to-1 multiplexer and 1-to-8 demultiplexer using blocks of 4-to-1 multiplexer and 1-to-4 demultiplexer.
7	Design & Realize a combinational circuit that will accept a 2421 BCD code and drive a TIL -3 I 2 seven-segment display
8	Using basic logic gates, realize the R-S, J-K and D-flip flops with and without clock signal and verify their truth table.
9	Construct a divide by 2, 4 & 8 asynchronous counters. Construct a 4-bit binary counter and ring counter for a particular output pattern using D flip flop
10	Perform input/output operations on parallel in/parallel out and Serial in/Serial out registers using clock. Also exercise loading only one of multiple values into the register using a multiplexer.

4ME4-22: FLUID MECHANICS LAB

S. No.	Experiment
1	Determination of Meta-centric height of a given body.
2	Determination of Cd, Cv & Cc for given orifice.
3	Calibration of contracted Rectangular Notch and / Triangular Notch and determination of flow rate.
4	Determination of velocity of water by Pitot tube.
5	Verification of Bernoulli's theorem.
6	Calibration and flow rate determination using Venturimeter & Orifice meter and Nozzle meter

7	Determination of head loss in given length of pipe.
8	Determination of the Reynolds's number for laminar, turbulent and transient flow in pipe
9	Determination of Coefficient for minor losses in pipes.
10	To study the velocity distribution in a pipe and also to compute the discharge by integrating the velocity profile.
11	To study the boundary layer velocity profile over a flat plate and to determine the boundary layer thickness.
12	Conducting experiments and drawing the characteristic curves of centrifugal pump/submersible pump.
13	Conducting experiments and drawing the characteristic curves of reciprocating pump
14	Conducting experiments and drawing the characteristic curves of Pelton wheel
15	Conducting experiments and drawing the characteristics curves of Francis turbine
16	Conducting experiments and drawing the characteristic curves of Kaplan turbines.

4ME4-23: PRODUCTION PRACTICE LAB

S. No.	Experiment
Turning Shop	
1	To study lathe machine construction and various parts including attachments, lathe tools cutting speed, feed and depth of cut.
2	To perform step turning, knurling and chamfering on lathe machine as per drawing
3	To cut multi-start Square/Metric threads on lathe machine
4	Boring using a boring bar in a centre lathe and cut BSW/Metric internal threads on lathe machine
5	To perform taper turning using compound rest
Machine Shop	
1	To study the milling machine, milling cutters, indexing heads and indexing methods and to prepare a gear on the milling machine.
2	To machine a hexagonal /octagonal nut using an indexing head on a milling machine.
3	To study of single point cutting tool geometry and to grind the tool as per given tool geometry
4	To study the shaper machine, its mechanism and calculate the quick return ratio. To prepare a job on a shaper from a given mild steel rod.
5	Cylindrical grinding using grinding attachment in a centre lathe
Demonstration and Study	

1	Demonstration for a job by eccentric turning on the lathe machine.
2	Study of capstan lathe and its tooling and prepare a tool layout & job as per given drawing.
3	Demonstration on milling machine for generation of plane surfaces and use of end milling cutters.
4	Grinding of milling cutters and drills.
Foundry Shop	
1	To prepare mold of a given pattern requiring core and to cast it in aluminium.
2	To perform moisture test and clay content test
3	To perform permeability test
4	Strength Test (compressive, Tensile, Shear Transverse etc. in green and dry conditions) and Hardness Test (Mould and Core).
Welding Shop	
1	Hands-on practice on spot welding.

4ME4-24: THEORY OF MACHINES LAB

S. No.	Experiment
1	To study inversions of four bar chain and slider crank mechanism and their practical applications
2	To study Steering Mechanisms: Davis and Ackerman
3	Study of quick return mechanism and its practical applications.
4	Study of inversion of Double slider chain: Oldham Coupling, Scotch Yoke and Elliptical Trammel.
5	Study of various cam-follower arrangements. To plot displacement v/s angle of rotation curve for various cams
6	To determine coefficient of friction using two roller oscillating arrangements.
7	Study of various types of dynamometers, Brakes and Clutches.
8	Study of differential gear box
9	To verify the torque relation for gyroscope
10	To perform wheel balancing. To perform static and dynamic balancing on balancing set up
11	Study of a lathe gear box, sliding mesh automobile gear box, planetary gearbox.

List of Experiments for V Semester B. Tech. (Mechanical Engineering)

5ME3-21: MECHATRONICS LAB.

S. No.	Experiment
1	Using Transducers Kit :- • Characteristics of LVDT • Principle & Characteristics of Strain Gauge • Characteristics of Summing Amplifier • Characteristics of Reflective Opto Transducer
2	Mobile Robot • Program for Operating Buzzer Beep • Program for Operating Motion control • Program for Operating Direction control • Program for Operating White line follower for the given arena
3	PLC PROGRAMMING • Ladder programming on Logic gates ,Timers& counters • Ladder Programming for digital & Analog sensors • Ladder programming for Traffic Light control, Water level control and Lift control Modules
4	MATLAB Programming • Sample programmes on Mat lab • Simulation and analysis of PID controller using SIMULINK

5ME4-22: HEAT TRANSFER LAB

S. No.	Experiment
1	To Determine Thermal Conductivity of Insulating Powders.
2	To Determine Thermal Conductivity of a Good Conductor of Heat (Metal Rod)
3	To determine the transfer Rate and Temperature Distribution for a Pin Fin.
4	To Measure the Emissivity of the Test plate Surface.
5	To Determine Stefan Boltzmann Constant of Radiation Heat Transfer
6	To Determine the Surface Heat Transfer Coefficient For Heated Vertical Cylinder in Natural Convection
7	Determination of Heat Transfer Coefficient in Drop Wise and Film Wise condensation.
8	To Determine Critical Heat Flux in Saturated Pool Boiling
9	To Study and Compare LMTD and Effectiveness in Parallel and Counter Flow Heat Exchangers.
10	To Find the Heat transfer Coefficient in Forced Convection in a tube.
11	To study the rates of heat transfer for different materials and geometries
12	To understand the importance and validity of engineering assumptions through the lumped heat capacity method.

SME4-23: PRODUCTION ENGINEERING LAB.

S. No.	Experiment
1	Study of various measuring tools like dial gauge, micrometer, vernier caliper and telescopic gauges.
2	Measurement of angle and width of a V-groove by using bevel protector..
3	(a) To measure a gap by using slip gauges (b) To compare & access the method of small-bore measurement with the aid of spheres.
4	Measurement of angle by using sine bar.
5	(a) Measurement of gear tooth thickness by using gear tooth vernier caliper. (b) To check the accuracy of the gear profile with the help of a profile projector.
6	To determine the effective diameter of external thread by using a three- wire method.
7	To measure flatness and surface defects in the given test piece with the help of monochromatic check light and optical flat
8	To check the accuracy of a ground, machined and lapped surface - (a) Flat surface (b) Cylindrical surface.
9	Find out Chip reduction coefficient (reciprocal of chip thickness ratio) during single point turning.
10	Forces measurements during orthogonal turning.
11	Torque and Thrust measurement during drilling.
12	Forces measurement during plain milling operation.
13	Measurement of Chip tool Interface temperature during turning using thermocouple technique.

SME4-24: MACHINE DESIGN PRACTICE - I

S. No.	Experiment
1	Material selection and relevant BIS nomenclature
2	Selecting fit and assigning tolerances
3	Examples of Production considerations
4	Problems on: (a) Knuckle & Cotter joints (b) Torque: Keyed joints and shaft couplings (c) Design of screw fastening (d) Bending: Beams, Levers etc. (e) Combined stresses: Shafts, brackets, eccentric loading.

List of Experiments for VI Semester B. Tech. (Mechanical Engineering)

6ME4-21: CIMS LAB

S. No.	Experiment
1	To prepare part programming for plain turning operation.
2	To prepare a part program for turning operations using a turning cycle.
3	To prepare a part program for threading operation.
4	To prepare a part program for gear cutting using a mill cycle.
5	To prepare a part program for multiple drilling in the X and Z axis using a drilling cycle.

6ME4-22: VIBRATION LAB.

S. No.	Experiment
1	To verify relation $T = 2\pi (l/g)^{1/2}$ for a simple pendulum.
2	To determine the radius of gyration of compound pendulum.
3	To determine the radius of gyration of a given bar by using bifilar suspension.
4	To determine the natural frequency of a spring mass system.
5	Equivalent spring mass system.
6	To determine the natural frequency of free torsional vibrations of a single rotor system. i. Horizontal rotor ii. Vertical rotor
7	To verify Dunkerley's rule.
8	Performing the experiment to find out damping coefficient in case of free damped torsional vibration
9	To conduct an experiment of trifler suspension.
10	Harmonic excitation of cantilever beam using electro-dynamic shaker and determination of resonant frequencies
11	Study of Vibration measuring instruments.
12	Perform study of the following using Virtual Lab http://www.vlab.co.in/
13	Forced Vibration of a Cantilever Beam with a Lumped Mass at Free End: To calculate the natural freq and damping ratio for forced vibration of a single DOF cantilever beam system, experimentally; and compare the results with theoretical values.
14	Harmonically Excited Forced Vibration of a Single DOF System: To analyze the forced vibration response of a single DOF system at diff damping ratio and frequency ratio.

Important Note: It is mandatory for every student to undertake a Mini project. Mini project shall be a group activity. A group shall consist of a maximum five students. Final evaluation shall include 30% weight age to mini project. Design of vibration system, measurement of vibration, FFT analysis using MATLAB

6ME4-23: MACHINE DESIGN PRACTICE – II

S. No.	Experiment (Problem Based)
1	Fatigue loading.
2	Helical compression, tension and torsion springs design.
3	Curved Beams.
4	Preloaded bolts and bolts subjected to variable stresses.
5	Belt, Rope and Chain drive system.
6	Gear Design.
7	Sliding contact bearing design.
8	Anti-friction bearing selection

6ME4-24: THERMAL ENGINEERING LAB-1

S. No.	Experiment
1	Study of working of four stroke petrol engine and four stroke diesel engine with the help of cut section models
2	Study of working of two stroke petrol and two stroke diesel engine with the help of cut section models
3	To draw a valve timing diagram for a single cylinder diesel engine.
4	Study of various types of boilers.
5	Study of various types of mountings and accessories.
6	Demonstration of steering system and measurement of steering geometry angles and their impact on vehicle performance.
7	Study of braking system with specific reference to types of braking system, master cylinder, brake shoes
8	Study of transmission system including clutches, gear box assembly and differential box

List of Experiments for VII Semester B. Tech. (Mechanical Engineering)

7ME4-21: FEA LAB

S. No.	Experiment
1	Laboratory work for the solution of solid mechanics problems, heat transfer problems, and free vibration problems
2	Introduction of GUI of the software in the above mentioned areas' realistic problems.
3	Analysis of beams and frames (bending and torsion problems)
4	Plane stress and plane strain analysis problems
5	Problems leading to analysis of axi-symmetric solids
6	Problems leading to analysis of three dimensional solids (a) Heat transfer problems (b) Modal analysis problem
7	Plane stress and plane strain analysis problems
8	Modal Analysis problem

7ME4-22: Thermal Engineering Lab-II

S. No.	Experiment
1	To perform constant speed load test on a single cylinder diesel engine and to plot performance curves: indicated thermal efficiency, brake thermal efficiency, Mechanical efficiency Vs. brake power and heat balance sheet.
2	To estimate the Indicated Power, Friction Power and Mechanical Efficiency of a Multi-cylinder Petrol Engine. (Morse Test)
3	Analysis of engine exhaust gasses using ORSAT apparatus /Engine gas analyzer.
4	Determination of coefficient of performance of Refrigeration cycle and tonnage Capacity of refrigeration unit.
5	To determine the COP and tonnage capacity of a Mechanical heat pump.
6	To study various controls used in Refrigeration and Air conditioning systems.
7	Study of commercial Refrigeration equipment like cooling towers, hermetically Sealed compressors, automotive swash plate compressor etc.
8	To study automotive air conditioning systems.
9	Determination of dryness fraction of steam.
10	Study and Performance of Simple Steam Turbine
11	Performance characteristics of Hydraulic turbines.
12	Study and Performance of Gas Turbine Plant.
13	Performance characteristics of variable and rated speed centrifugal pump.

7ME4-23: Quality Control Lab

S. No.	Experiment
1	Case study on X bar chart and R chart of an industrial process output and Process capability analysis of the process. The charts are to be drawn and Calculations of process capability analysis to be reported.
2	p- Chart: a) To verify the Binomial Distribution of the number of defective balls by treating the balls with a red colour to be defective. b) To plot a p -chart by taking a sample of n=20 and establish control limits
3	Case study on C-chart of a product and establish control limits.
4	Operating Characteristics Curve: a) To plot the operating characteristics curve for single sampling attribute plan For n = 20; c = 1, 2, 3. Designate the red ball as defective. b) To compare the actual O.C. curve with theoretical O.C. curve using approximation for the nature of distribution
5	Distribution Verification: (a) To verify Normal Distribution using the experimental setup. (b) To find the distribution of numbered cardboard chips by random drawing One at a time with replacement. Make 25 subgroups in size 5 and 10 find The type of distribution of sample average in each case. Comment on your observations
6	To carry out verification of Poisson distribution using experimental set up.
7	Central Limit Theorem: (a) To show that a sample means for a normal universe follow a normal distribution (b) To show that the sample means for a non-normal universe also follow a Normal Distribution.
8	Solve quality control problems using SPC software like STATGRAPHICS/ MINITAB/ SIGMA XL / SYSTAT/ EXCEL etc.

List of Experiments for VIII Semester B. Tech. (Mechanical Engineering)

8ME4-21: INDUSTRIAL ENGINEERING LAB

S. No.	Experiment
1	Determination of time standard for a given job using stopwatch time-study.
2	Preparation of flow process chart, operation process chart and man-machine charts for an existing setup and development of an improved process.
3	Study of existing layout of a workstation with respect to controls and displays and suggests improved design from an ergonomic viewpoint.
4	To perform ABC analysis for the given set of inventory data.
5	To develop Bill of Materials/Product structure tree and calculate planned order release (POR) using MRP format
6	To solve the operations research problems on Linear programming/Transportation/Assignment etc. using OR software's like TORA/LINGO/LINDO/SAS/EXCEL SOLVER etc.
7	Simulation of inventory system/Queuing system/production system using Monte-Carlo method.
8	To perform a case study on sales forecasting.
9	To perform case study on project management using PERT/CPM.
10	To perform a case study on plant location and layout planning.
11	To perform a case study on capacity planning

8ME4-22: METROLOGY LAB

S. No.	Experiment
1	Study of various measuring tools like dial gauge, micrometer, vernier calliper and telescopic gauges.
2	Measurement of angle and width of a V-groove by using bevel protector..
3	To measure a gap by using slip gauges
4	Measurement of angle by using sine bar.
5	Study and use of surface roughness instrument (Taylor Hobson make) Inspection of various elements of screw thread by Tool makers microscope and optical projector.
6	Measurement of gear tooth thickness by using gear tooth vernier calliper.
7	To check accuracy of gear profile with the help of profile projector.
8	To determine the effective diameter of external thread by using three-wire method.
9	To measure flatness and surface defects in the given test piece with the help of monochromatic check light and optical flat.

10	To plot the composite errors of a given set of gears using composite gear tester.
11	Measurement of coating thickness on electroplated part and paint coating on steel and non-ferrous material using coating thickness gauge.
12	Study and use of a hardness tester for rubber and plastics.
13	To check the accuracy of a ground, machined and lapped surface – (a) Flat surface (b) Cylindrical surface.
14	To compare & access the method of small-bore measurement with the aid of spheres.

Department of Textile Chemistry

List of Experiments for III Semester B. Tech. (Textile Chemistry)

3TC4 – 23: Fabric Preparation Lab

S. No.	Experiment
1.	Desizing of grey cotton fabric
2.	Scouring of desized fabric
3.	Half bleaching of scoured fabric
4.	Full bleaching of half bleached fabric
5.	Mercerisation of cotton fabric
6.	Degumming of raw silk
7.	Bleaching of silk fabric

List of Experiments for IV Semester B. Tech. (Textile Chemistry)

4TC4 – 24: Textile Chemical Analysis Lab – I

S. No.	Experiment
1.	Estimation of strength of bleaching agents, i.e., bleaching powder and hydrogen peroxide etc.
2.	Determination of the ionic nature of a unknown surfactant
3.	Estimation of wetting agents
4.	Estimation of sequestering agents
5.	Estimation of reducing agents
6.	Estimation of dispersing agents
7.	Estimation of levelling agents
8.	Identification of dye on dyed fabric sample with (a) Direct dye, (b) Acid dye, (c) Reactive dye, (d) Vat dye, (e) Sulphur dye, (f) Azoic dye and (g) Disperse dye
9.	Determination of silicon content in unknown silicon emulsion sample
10.	Determination of BAN (Barium Activity Number) of a mercerised cotton
11.	Evaluation of degree of heat setting in Polyester fabrics
12.	Estimation of nitrogen content

List of Experiments for V Semester B. Tech. (Textile Chemistry)

5TC4 – 24: Textile Chemical Analysis Lab – II

S. No.	Experiment
1.	Assessment of Textile material colour fastness to washing, light, rubbing, perspiration and sublimation etc.
2.	Estimation of Chemical Oxygen Demand (COD) of a textile effluent sample
3.	Determination of oil and grease content of a textile effluent sample
4.	Estimation of Biological Oxygen Demand (BOD) in a textile effluent sample
5.	Estimation of copper number of a cellulose sample
6.	Estimation of iron, chloride and sulphide content in water
7.	Estimation of methylene blue value.

List of Experiments for VI Semester B. Tech. (Textile Chemistry)

6TC4 – 21: Textile Printing Lab – I

S. No.	Experiment
1.	Direct dyes printing on cotton fabric
2.	Azoic colour printing on cotton fabric by base printing method
3.	Azoic colour printing on cotton fabric by naphthol printing method
4.	White resist printing under azoic colour
5.	White discharge printing on azoic colour
6.	Vat colour discharge printing on azoic colour
7.	Colour resist printing under azoic colour
8.	Reactive dye printing on cotton fabric
9.	Vat dye printing on cotton fabric

List of Experiments for VII Semester B. Tech. (Textile Chemistry)

7TC4 – 21: Textile Printing Lab – II

S. No.	Experiment
1.	Disperse dye printing on polyester fabric
2.	Multi-colour printing on polyester fabric
3.	While discharge printing on disperse dyes (unfixed ground)
4.	Colour discharge printing on disperse dyes (unfixed ground)
5.	Carbonized or burnt-out style of printing on P/V blended fabric
6.	Transfer printing on polyester fabric
7.	Acid dye printing on nylon fabric.

7TC4 – 22 Technology of Textile Finishing Lab

S. No.	Experiment
1.	Application of starch on 100% cotton fabric by pad, dry method and find out percentage add-on fabric. Measurement of fabric properties: crease recovery angle, bending strength, tensile strength before and after calendaring.
2.	Application of MB (Poly Vinyl Acetate) stiffening agent on 100% cotton fabric by pad, dry and cure methods and find out percentage add-on fabric and measurement of fabric properties: crease recovery angle, bending strength, tensile strength before and after calendaring.
3.	Application of resin finish KVS on 100% cotton fabric by pad, dry and cure methods and find out percentage add-on fabric and measurement of fabric properties: crease recovery angle, bending strength, tensile strength before and after calendaring.
4.	Finishing of given grey fiber-dyed polyester-viscose (65/35) blended suiting fabric with standard process sequence and finding out the change in mechanical properties: crease recovery angle, bending strength, tensile strength before and after calendaring.
5.	Comparison of efficiency of squeezing by hydro-extractor and padding mangle for different types of fabrics like cotton, polyester, polyester-viscose and polyester-cotton.
6.	Water proof finishing and water repellent finishing on cotton 100% cotton fabric and comparison of results.
7.	Flame proof finishing on 100% cotton fabric and analyzing the effect in terms of glow time and chur length.
8.	Making 100% polyester fabric full white by the application of optical brightening agents.
9.	Determination of change in fabric parameters; crease recovery angle, bending strength, shrinkage and drape of a given sample of polyester-viscose suiting (65-35 blended) fabric after giving complete processing treatments.
10.	Finishing of given polyester-viscose grey fiber dyed fabric and matching the finished sample with given standard sample.
11.	Weight reduction treatment of 100% polyester fabric (heat set) by treating with sodium hydroxide at various concentrations.
12.	Crabbing treatment of wool fabric and measuring the change in dimensions of fabric.

Department of Textile Technology

List of Practical 3rd Semester

Spinning Practical-I

1. To Study the sequence of the machines for the production of yarn.
2. To study the construction & working of the Ginning machine & calculate speed of roller.
3. To study the construction & working of the Bale opener & calculate speed of roller.
4. To study the construction & working of the Step cleaner & calculate speed of roller.
5. To study the construction & working of the Axi flow & calculate speed of roller.
6. To study the construction & working of the Condenser and Reserve box & calculate speed of roller.
7. To study the construction & working of the Porcupine beater & calculate speed of roller.
8. To study the construction & working of the three bladed beater & calculate speed of roller.
9. To study the construction & working of the filtration unit & calculate speed of roller.
10. To study the construction & working of the Pneuma feeder & calculate speed of roller.
11. To study the construction & working of the piano feed regulating motion,
12. To study the construction & working of the Kirschner beater & calculate speed of roller.
13. To study the construction & working of the Lap forming unit & calculate speed of roller.
14. To study the construction & working of the P.I.V.
15. To study the construction & working of the Auto doffing machine.

List of Practical 4th Semester

Spinning Practical-II

1. Draw passage of material through super card.
2. Passage of material through Venkateshwara card.
3. Draw passage of material (through) Draw Frame M.E.I Glob modal.
4. Draw passage of material through miniature carding machine Also draw gearing and calculate draft of each zone total draft and draft constant.
5. Draw passage of material through miniature Draw Frame. Also draw gearing and calculate draft of each zone, total draft and draft constant.
6. Draw gearing of super carding machine and calculate draft of each zone, total draft, draft constant production and production constant.
7. Draw gearing of Venkateshwara carding machine and calculate draft of each zone, total draft, draft constant, production and production constant.
8. Draw passage of material through Super Draw Frame.
9. To study control panel of Super Carding machine.
10. To study control panel of Venkateshwara Carding machine.

11. To study gauge for cotton on Super Carding machine.
12. To study gauge for cotton on Venkateshwara Carding machine.

List of Practical 5th Semester

Spinning Practical-III

1. To study passage of material through Comber machine.
2. To study combing cycle of Comber machine.
3. To study Timing Diagram of Comber machine.
4. To change Counter feed and Concurrent feed arrangement in Comber.
5. To calculate production of Comber per shift of 8 hours and calculate Production Constant of comber.
6. To study comber setting procedure and different ways to change noil %.
7. To draw passage of material through Lap Former machine along with stop motions.
8. To Draw diagram of Spacer, Floating condenser and cradle length and write down their importance in Simplex Drafting system.
9. To understand objects of builder motion of Simplex. How these objects are achieved? Explain construction and working of Builder motion of Simplex.
10. Write down common package defects in Simplex machine and suggest remedies also.
11. Derive method for calculating Draft Constant, Twist constant and Production Constant of Simplex machine.
12. Enlist Change Places of Simplex machine.

List of Practical 6th Semester

Spinning Practical-IV

1. To identify the position of spacer, floating condenser, 4/4 drafting system and passage of material through simplex machine. Also make neat & clean diagram.
2. To describe passage of material through ring frame machine with clean diagram.
3. To study construction & working of builder motion in ring frame machine. Specify the changes and settings during the doff time in machine.
4. To calculate the draft constant, twist constant and production constant of simplex machine by making neat & clean gearing diagram of machine.
5. To make the gearing diagram of ring frame machine and calculate draft constant, twist constant and production constant.
6. To study simplex cone drum belt shifting mechanism. Draw a diagram of pneumatic connection.

7. To study construction of different type of flyers used on simplex machine with diagram.
8. To study package faults on simplex machine. Identify their causes and do setting to rectify faults on machine.
9. To study package faults on ring frame machine. Identify their causes and write their remedy steps.
10. Identify yarn faults on ring frame and do setting to rectify these faults.

List of Practical 7th Semester

Spinning Practical-V

1. To draw the passage of material through lab Rotor Spinning Machine and study working.
2. To study the constructional features of various parts of Rotor Spinning Machine and collect data of processing & machine parameters.
3. To study the drive to various parts of Rotor Spinning Machine and calculate their RPM and surface speeds.
4. To calculate the Draft, TPM/TPI and Production of the Rotor spinning machine.
5. To study the settings on Rotor Spinning machine.
6. To study the principle of frictional spinning machine and its classification.
7. Study about any one frictional spinning machine i.e., DREF 1, DREF 2 & DREF 3 and Master spinners of PSL
8. To draw the passage of material through lab Airjet Spinning Machine and understand its working
9. To trace the gearing of Drafting zone and calculate back-zone and main-zone draft.
10. To trace the gearing of winding drum and take-up roller and calculate their RPM and surface speeds.
11. To calculate Production of Airjet spinning machine.
12. Comparison of yarn produced on Ring, Rotor, frictional & Air-jet false-twist spinning machine.

List of Experiments 8th Semester

Spinning Practical-VI

1. How will you measure performance of Blow-room?
2. How will you measure performance of Card.
3. Which parameters are considered for performance assessment of Draw-frame?
4. Which parameters are considered for performance assessment of Simplex?
5. What are the Norms and Standards for judging Performance of comber?
6. Study the Norms and Standards for Efficiency Losses in Ring frame.
7. Study the mechanism of two twists insertion in TFO (Two for One twister) machine.

8. What are causes and remedies of defects in Blow-room and Card section?
9. Write down causes and remedies of defects in Draw-frame, Simplex and Comber.
10. Suggest remedies for yarn defects in Ring-frame section.
11. To study the mechanism of Tritec Twister.
12. Write any significant development in any section of Spinning.

**List of Experiments 3rd Semester
Weaving Practical – I**

1. Layout of weaving -I. B. Layout of weaving -II C. Layout of weaving -III
2. Passage of warp sheet on the Loom
3. Supply packages I. Function II. Dimensions
4. Tappet shedding I. Working Principle II. Lift of tappet III. Timing & setting
5. Starting mechanism I. Working Principle II. Rpm Calculation of each machine
6. Cone winding machine I. Drive II. Passage of yarn
7. Beating-up motion I. Working principle I. Calculate sley eccentricity
8. Under pick motion I. Working principle II. Timing & Intensity
9. Over pick motion I. Working Principle II. Timing & Intensity
10. Take-up motion I. Drive II. Divident calculation III. Compare with 5wheel take-up
11. Loose reed motion I. Working Principle II. Box-flap III. Timing & setting
12. Fast reed motion I. Working Principle II. Oil damper III. Timing & setting
13. Pirn winding m/c I. Drive II. Yarn Passage III. Calculate spindle speed
14. Negative let-off motion I. Working Principle II. Settings

**List of Experiments 4th Semester
Weaving Practical – II**

1. Side weft fork motion A) Working Principle B) Timing and Setting
2. Centre weft fork motion A) Working Principle B) Timing and Setting
3. Ordinary sectional warping machine A) Passage, Creel and Tension device B) Drive to beaming C) Drive to warping D) Traverse arrangement E) Speed and Production
4. Calculation
5. Climax dobby A) Working Principle B) Selection mechanism C) Under motion
6. Eccle's drop box mechanism A) working Principle B) Preparation of pattern chain according to design

7. Drawing in process A) Object of drawing in process B) Calculation of Reed count and Heald count
8. Bartlett Let-off Motion A) Working Principle B) Timing & Setting
9. Seven Wheel take up motion A) Working Principle B) Divided and its calculation C)
10. Comparison with five wheel take up motion

**List of Experiments 5th Semester
Weaving Practical – III**

1. To study the sizing machine, passage of warp yarn on sizing machine, & drive to various parts
2. To study the automatic cop change mechanism, Feeler motion, Shuttle Protector, Transfer Mechanism & Thread cutter, magazine and drive arrangement
3. To study the shuttle change mechanism, Feeler motion, selection mechanism, transfer mechanism & Thread cutter and drive arrangement
4. To study the Double Lift Double Cylinder Jacquard, drive to various parts and harness tying
5. To study the Single Lift Single Cylinder Jacquard, drive to various parts and harness tying
6. To study the Piano card cutting machine: Punch head, Card advancement & Card cutting sequence
7. To study the looming-in process: Manual Drawing-in Process, Drawing-in accessories, Tying in Process, Latest Development in Looming

**List of Experiments 6th Semester
Weaving Practical – IV**

1. To study the projectile weaving machine: passage of warp sheet on machine, passage of weft yarn on machine, weft colour selection
2. To study the projectile weaving machine: drive to various parts and identifications of spare
3. To study the air jet weaving machine: passage of warp sheet on machine, passage of weft yarn on machine
4. To study the air jet weaving machine: drive to various parts and identifications of spare
5. To study the knitting machine: passage of yarn, various type of needle and stop motion
6. Loom turning & maintenance practice in handling & operating, loom maintenance

**List of Experiments 7th Semester
Weaving Practical – V**

1. To study the projectile weaving machine: Let-off Mechanism, Take-up Mechanism & Weft colour Selection
2. To study the projectile weaving machine: Warp Stop Motion & Weft Stop Motion
3. To study the airjet weaving machine: Let-off Mechanism, Take-up Mechanism & leno drive
4. To study the airjet weaving machine: Warp Stop Motion & Weft Stop Motion
5. To study the Tape loom: Warp passage, Weft passage & drive arrangement
6. To study the knitting machine: Passage of yarns, drive arrangements, various types of needles, stop motion

**List of Experiments 8th Semester
Weaving Practical – VI**

1. Introduction of doobby cad system a software (tex style).
2. Introduction of doobby cad system a software (tex style) with function key.
3. Introduction of yarn library (solid shades) & creation of new shades.
4. Introduction of yarn library (fancy yarn) & creation of new fancy yarn.
5. Introduction of yarn library (grindle yarns) & creation of new fancy yarn.
6. Introduction of weave library & creation of new weaves in library.
7. Introduction of colour library & creation of new colour in library.
8. Simulation of fabric by feeding design plan, warping pattern & weft pattern."
9. Development of five basic effects in fabrics: hound's tooth pattern, bird's eye effect, continuous line effect, step pattern, hair line effect

**LIST OF EQUIPMENTS /
INSTRUMENTS /
APPARATUS**

Textile Chemistry Department

S. No.	Equipment Name	Year of Purchase	Cost of Purchase in Rs.	Nos
1	Lab Winch Machine	28.03.1991	22700	1
2	2-bowl vertical Padding mangle machine	28.03.1991	50200	1
3	Lab High Temp Beaker Dyeing Machine	31.03.1991	37800	1
4	Drying Curing Heat Setting Machine	31.08.1991	57546	1
5	Emulsifier	31.08.1991	10000	1
6	H T Steam/Ager	31.08.1991	20000	1
7	Hot Plate	31.08.1991	1580	2
8	Fibro Mixer	10.02.1992	41460	1
9	Electronic Balance	10.03.1991	101200	4
10	Color Matching Cabinet	15.02.1992	52312	1
11	Sublimation Tester	15.02.1992	24000	1
12	Fedo Meter(Light Fastness Tester)	15.02.1992	91080	1
13	Crock Meter	08.04.1993	25000	1
14	pH Meter	09.06.1993	10000	1
15	Furnace Muffle	19.03.1994	15000	1
16	Perspirometer	19.03.1994	15000	1
17	Hydro Extractor	06.02.1995	20000	1
18	Cooling Incubator	21.03.1995	48675	1
19	Rotary Shaker	28.03.1995	22520	1
20	Transfer Printing Machine	30.06.1995	25000	1
21	Dissolve Oxygen Meter	30.06.1995	10000	1
22	Lab Model Calendaring Machine	29.03.1996	135000	1
23	Fluidity Measurement Instrument	29.03.1996	15000	1
24	Rotary Printing Machine	30.03.1996	350000	1
25	Platinum Crucible	18.03.1996	300000	2
26	Package Dyeing Machine	25.12.1996	291000	1
27	UV Visible Spectrometer	30.09.1997	144812	1
28	Lab Model Jet Dyeing Machine	15.10.1998	443058	2
29	pH Meter Microprocessor with Printer	15.10.1998	11737	1
30	PC/AT with Software Meter Printer 80 Color	30.09.1997	74456	1
31	Roller Printing Machine	06.08.1999	200000	1
32	Lab Model HTHP Jigger Dyeing Machine	04.08.1999	417917	1
33	UPS 600 VA	24.02.2014	31273	2
34	R.O. Plant	18.03.2017	14000	3
35	IR Dyeing Machine	23.08.2008	250000	1
36	Crease Recovery Tester	22.03.2010 & 24.07.2019	18900	2
37	Stiffness Tester	24.07.2019	16900	2
38	Lab Garment Dyeing Machine	22.04.2010	250000	1
39	Pilling Tester	08.06.2010	50000	1
40	Drape Meter	28.04.2011		1
41	Laboratory HT Steamer	29.07.2011	184375	1

42	Padding Mangle & Lab Model Stenter	29.07.2011	393836	1
43	Interactive White Board Setup	11.04.2014	124290	1
44	Projector	20.07.2014	61560	2
45	Portable Spectrometer	04.09.2014	523120	1
46	Beam Double Spectrophotometer	27.08.2016	262343	1
47	Lab Model Fabric Coating Machine	10.04.2015	902531	1
48	Printer	03.11.2015	23500	1
49	Computers	16.02.2016 & 04.07.2017	78144	1+1
50	Digital Brook Field Viscometer	16.12.2016	389588	1
51	Nitrogen Gas Cylinder with regulator	27.01.2017	10000	1
52	Oxygen Gas Cylinder with Regulator	27.01.2017	9800	1
53	Rota Dyer	19.09.2018	106200	1
54	Smart LED Display with DTH	14.03.2019	112000	1
55	Abrasion Tester	24.07.2019	133500	1
56	Tearing Tester	24.07.2019	39500	1
57	Tensile Strength Tester	24.07.2019	78000	1
58	Water Repellency Tester	24.07.2019	14000	1
59	Laptops	06.11.2019	45740	2
60	Ultra Isolation Transformer	19.11.2019	28910	1
61	Fourier Transform Infrared Spectroscope (FTIR) – TSIMADZU	03.09.2019	1345200	1
62	Laser Jet Printer	19.09.2019	16630	1
63	Inverter A/c (VOLTAS)	18.12.2019 & 31.01.2020	127034	1+1
64	UV Visible Spectrometer	12.03.2020	1557028	1
Total Cost (or valuation)			10281955	

Information Technology Department
Software Engineering Lab

S. No.	Product Name / Make	Qty	Year of Purchase	Cost of Purchase in INR	Specifications / Make
1.	HP P4 Computer with monitor	15	05.02.08	439350	Intel P4 (3.70 GHz) processor, 1GB RAM, 500 GB Hard disk, 15.5 inch screen, keyboard , mouse and licensed windows XP
2.	Router	03	11.04.08	370000	CISCO
	Switch	03			
	Wireless Router	02			
3.	Server	03	11.02.14	967500	IBM
4.	External Hard Disk	02	11.02.14	8000	1 TB
5.	Windows Server Std.	01	22.05.14	41670	Windows Server Std.
	SQL Server				SQL Server 2013
	Windows 8				Windows 8
	Office Std.-13				Microsoft Office Std.-13
6.	Projector Sony	01	03.06.16	107766	<ul style="list-style-type: none"> • Brightness of 3200 Lumens • XGA (1024 x 768) Native Resolution • 1.77:1 Throw Ratio • S-Video, Composite, 2x VGA, 2x HDMI-In • 1 VGA In Doubles as Out for Loop-Through • Analog Audio Input and Output • Integrated 16-Watt Speaker • Crestron Room View Connected Compatible • Ethernet and RS-232 Controllable • Includes VGA Cable and IR Remote
7.	DELL Computer with TFT	20	22.12.16	726000	Intel Core i3 (3.70 GHz) processor, 8GB DDR4 RAM, 500 GB Hard disk,18.5 inch screen, Dell keyboard , optical mouse licensed windows 10
8.	8 GB Ram For Server	02	18.01.19	17400	8 GB DDR Ram For Server
9.	Hard Disk	01	18.01.19	7450	2TB
10.	Smart LED Samsung	01	14.03.19	112000	54" Flat TV With in- built Wi-Fi and Ethernet Connectivity , Support Screen Casting Facility
11.	HP All in One Desktop Computer	20	25.08.20	1110000	Intel (R) Core i5 Processor, 64 bit DDR4 RAM CPU G3220T 2.60 GHz, 4 GB RAM, 1TB Hard disk, HP USB keyboard, HP USB Optical 2 button mouse, Generic PnP monitor, Licensed Window 10

Multimedia Lab

S. No.	Product Name / Make	Qty	Year of Purchase	Cost of Purchase in INR	Specifications / Make
1.	Digital Video Camera	1	14/02/04	60320	Digital / Sony
2.	Monitors	03	05/04/04	14400	BENQ
3.	Camera	01	05/04/04	32900	SONY
4.	Paper Cutter	01	25/04/05	1000	Paper Cutter
5.	Dell Computers	05	22/12/16	191750	Intel Core i3 (3.70 GHz) processor, 8GB DDR4 RAM, 500 GB Hard disk, 18.5 inch screen, Dell keyboard , optical mouse licensed windows 10

Project Lab

S. No.	Product Name / Make	Qty	Year of Purchase	Cost of Purchase in INR	Specifications / Make
1.	Layer 2 switch Nortel	3	16.12.06	97500	32 Port Layer 2 switch Nortel
2.	Layer 3 switch Nortel	1	16.12.06	175000	32 Port Layer 3 switch Nortel
3.	1 port base small form factor	2	16.02.06	22000	1 port base small form factor
4.	24 port jack panel	3	16.02.06	6750	24 port jack panel
5.	Desktop Computer Wipro	10	22.01.10	400000	Intel Dual Core Processor, 1GB RAM, 100 GB Hard Disk, 15 Inch Screen, Keyboard
6.	HP LaserJet Printer	01	19.04.10	8000	HP LaserJet Printer
7.	MS-office 2013	49	07.12.15	179585	MS-office 2013
	Windows pro10	22		94556	Windows pro10
8.	HP-all in one computer	15	23.12.15	583350	Intel Core i3 (3.70 GHz) processor, 8GB DDR4 RAM, 500 GB Hard disk, 18.5 inch screen, Dell keyboard, optical mouse licensed Windows 10
9.	Vacuum Cleaner	2	17.01.07	20178	Vacuum Cleaner
10.	Head Phone	20	12.10.2010		Head Phone
11.	NPTEL (Hard drive)	02	16.12.13	16100	2 TB NPTEL (Hard drive)
12.	LCD Projector (Hitachi)	01		80000	Very Bright 4,0000 Lumen Output, XGA 1024 x 768 Resolution, Manage & Control from LAN, Built-in Stereo Speakers
13.	Interactive Board	01	14.04.14	34800	Interactive Board
	Portable pad	01			Portable pad
	Electronic Pen	01			Electronic Pen
14.	ERP Software	01	22.05.14	234720	IfwERP Software
15.	Apple IMac	03	02.08.19	525393	Mac OS with i5 Processor, 27" Screen 1TB Hard Disk, 8GB RAM
16.	Table type Digital Podium	01	03.10.19	649000	Full HD Interactive Touch Monitor Integrated Computer System- CPU Core /i5/ III/IV Gen, 8 GB RAM, 1TB SATAHDD, Windows 10 OS, key Board and Mouse, Touch pen, Visualizer
17.	Samsung Printer	01	25.10.19	12490	All in One Printer Laser Jet

S. No.	Product Name / Make	Qty	Year of Purchase	Cost of Purchase in INR	Specifications / Make
1.	Switch	2	11.02.08	2884	8 Port (SURECOM)
2.	Switch	1	11.04.08	2596	8 Port (Net Gear)
3.	IoT Lab Kit 1. Node MCU Board 2. Node MCU Add-on 3. TSL 2561 4. IR Sensor 5. DHT 11 Sensor	5 5 5 5 5	13.02.19	1500 2250 600 350 750	1. Node MCU Board 2. Node MCU Add-on 3. TSL 2561 4. IR Sensor 5. DHT 11 Sensor
4.	IoT Lab Kit 1. OLED (128*64) 2. Bluetooth Module 3. USB Cable 4. Leads 5. Jumper wires	5 5 5 25 50	13.02.19	2250 1750 350 50 150	1. OLED (128*64) 2. Bluetooth Module 3. USB Cable 4. Leads 5. Jumper wires
5.	IoT Lab Kit for ML 1. Simple link Wi-Fi Launch pad cc-3200 2. Simple link Wi-Fi cc-3100 Booster pack 3. Particle Mesh Wi-Fi Bundle 4. Boron 12G/3G kit 5. Sensor hub	10 15 5 5 5	22.10.19	82600 123900 88500 59000 53100	1. Simple link Wi-Fi Launch pad cc-3200 2. Simple link Wi-Fi cc-3100 Booster pack 3. Particle Mesh Wi-Fi Bundle 4. Boron 12G/3G kit 5. Sensor hub
6.	IoT Lab Kit with machine learning 1. CC1125 Booster pack 2. Particle makes kit 3. TIVA Tmuc1234 (Launch pad Bundle) 4. MSP432-P40IR Launch pad 5. IOT Enabled ARM and MCU Connected Development Kit	02 05 15 15 02	22.10.19	33040 118000 44250 70800 70800	1. CC1125 Booster pack 2. Particle makes kit 3. TIVA Tmuc1234 (Launch pad Bundle) 4. MSP432-P40IR Launch pad 5. IOT Enabled ARM and MCU Connected Development Kit
7.	IoT Lab Kit with machine learning 1. Grove starter kit 2. Cross works for ARM 3. Robotic System Learning kit 4. Senz band with mind Sync. & memory app 5. Sensor	02 01 05 1 3	22/10/19	35400 59000 106200 53100 42480	1. Grove starter kit 2. Cross works for ARM 3. Robotic System Learning kit 4. Senz band with mind Sync. & memory app 5. Sensor
8.	IoT Lab Kit with machine learning 1. Software Pen drive 2. Gateway Module 3. Gateway Node –Module 4. Sensor Bon	5 5 5 5	16/01/20	1386500	--

9.	Laptop	01	26/03/20	45490	DELL Intel Core i5 (3.70 GHz) processor, 8GB DDR4 RAM, 1TB Hard disk, 16.5 inch screen, licensed windows 10
10.	External HDD (Seagate)	01	22/08/20	4614	2 TB

VLSI Lab

S. No.	Product Name / Make	Qty	Year of Purchase	Cost of Purchase in INR	Specifications / Make
1.	VLSI design Software	1	09.03.04	44600	VLSI design Software
2.	Networking work in IT	1	29.04.04	257166	LAN
3.	Surveillance system	3	01.06.04	29040	Analog Camera
4.	Lap top	1	29.09.04	87395	HP-Compaq NX-9010 with Intel Dual Core Processor, 1GB RAM, 100 GB Hard Disk, 15 Inch Screen
5.	Laser printer	2	05.03.05	117000	Laser printer hp.2420
6.	Photo Stat Machine	1	26.03.05	63074	Digital photo stat
7.	LCD Data Projector	1	26.03.05	95400	LCD data projector
8.	LCD P rojector	2	26.03.05	63200	LCD projector
9.	Server	1	27.04.05	102000	Server
10.	Oracle (software)	1	11.06.05	123500	Oracle (software)
11.	Software visual studio	1	25.02.05	4450	Software visual studio
12.	Antivirus system	1	25.02.05	4250	Software Norton Antivirus system
13.	Micro media flash player	1	25.02.05	5400	Software micro media flash player
14.	Acrobat professional	1	25.02.05	7450	Software Acrobat professional
15.	Software after shot	1	25.02.05	4350	Software after shot
16.	PCB designer suite s/w	1	20.01.06	440440	PCB designer suite software
17.	Mouse	20	20.01.06	7500	Mouse
18.	Switch 8 port	1	10.02.06	1400	Switch SURECOM 8 port
19.	Colour laser printer HP	1	25.02.06	30850	Colour laser printer HP
20.	Combo drive (External)	2	25.02.06	7900	Combo drive (External) LG
21.	Hard disk drive 80 GB	2	25.02.06	3985	Hard disk (internal)- 500 GB
22.	Pen drive UMAX	5	25.02.06	7500	8 GB
23.	Key board	10	25.02.06	3230	Logistic Keyboard
24.	Hard disk (internal)	3	25.02.06	7938	Seagate Hard disk (internal)- 1 TB
25.	Web camera Frontech	2	16.12.06	4800	Digital Camera
26.	Computer hp dx-2280 mt	15	17.01.07	450000	Computer HP dx-2280 mt
27.	UPS 10 KVA	2	22.01.07	400000	APLAB 10 KVA UPS
28.	Laptop	1	07.05.07	50000	HP With Intel Dual Core Processor, 1GB RAM, 100 GB Hard Disk, 15 Inch Screen, Keyboard, 802.11
29.		01	06.02.20	249500	<ul style="list-style-type: none"> • Built- in View Board OS, out-of box experience • My View Board collaboration ecosystem • Built-in Casting, work with Windows, Mac, IOS, Android, and Chrome

Department of Electronics & Communication Engineering

Digital Electronics & Micro Processor Lab

S. No.	Equipment Name	Year of purchase
1.	Mechatronics Digital I.C. Tester DIGGI II	2002
2.	Digital Trainers Kit (logic Gates) AET -21	2002
3.	Digital Trainers Kit (Flip Flops) AET -60	2002
4.	8 bit A/D Converter (ADC 0808) AET -50	2002
5.	Study cards 8251 peripheral IC (a) Peripheral IC 8251 (b) Peripheral IC 8253 (c) Peripheral IC 8259 (d) Peripheral IC 8279	2003
6.	Microprocessor Kit (8085) Onboard Based With RS 232 serial link cable & pc up/ downloading software	2003
7.	Power Supply For 8085 Microprocessor Kit Hardware Manual	2003
8.	Keyboard Interface Card Compatible With 8085	2003
9.	Choice 8085 Emulator 64B Over lay Ram 65535	2003
10.	A/D & D/A Converter Kit	1992
11.	Optional Eprom Programmer Accessories (EPA-27)	1992
12.	Stepper Motor Card With Power Supply Stepper card Power supply Stepper motor	1995
13.	ADC Card	1995
14.	Microcontroller training 8031/8051/8751Kit & Power Supply Microcontroller 8031 kit (b) Programmer (c) Power supply (d) Hardware manual (e) Software manual	1996
15.	L.C.D. Card	1996
16.	Linear I.C. Tester (MME LICT-20) Linear I.C. Tester(AC input main channel, operational manual)	1997
17.	Circuit Maker Software	2003
18.	Educational Trainer System DC Motor Speed Classic 8085	1999
19.	DC Motor Power Supply	1999
20.	In circuit Emulator For 8085 & power supply (a) In circuit emulator make vintics 8085 (b) Power supply ps-III IV make vintics	1996
21.	Digital Storage Oscilloscope Passive probes Instruction manual User manual Power cable	2004

22.	Logic Analyser –with1wieu cable & P6418 cable TLA 5201	2004
23.	Universal EPROM Programmer (a)ACIDC adaptor 100- 250v AC (b) Power code (c)USB cable (d) Software CD	2004
24.	Digital Bread Board Trainer Kit ST 2611 (a) Power code (b) Bread board (c) Manual	2004
25.	Tina PRO Simulation Software 1.Manual 2.CD 3.Hardware lock	2004
26.	30 MHZ Standard Oscilloscope HM 203 G	2005
27.	De Soldering GUN	2005
28.	Digital To Analog Converter Trainer Kit ST 2602	2005
29.	Xytronics Temperature Controlled	2005
30.	IC (various)	2005
31.	CMOS TTL Inter Facing Kit DL TTLCMOS	2006
32.	Current To voltage And Voltage to current	2006
33.	3 KVA Online UPS With 30 min Backup	2007
34.	IC (various)	2008
35.	Bread Board	2008
36.	Microcontroller 8051 Kit	2009
37.	AMCO Battery - SMF BP 28/12, 12v, 20AH	2009
38.	Raw Material	2010
39.	Dc Regulated Power Supply	2013
40.	Computer set a-Monitor b-Keyboard c-Mouse d-CPU	2014
41.	PSPICE Simulator Software(2 DVD+1 USB key)	2014
42.	MULTISIM ULTI BOARD software	2014
43.	Monitor Dell with CPU	2016
44.	Logic gate Trainer	2017
45.	Analog Digital Bread 2613	2017
46.	10 MHz AM / FM Function-Pulse Generators with 40MHz Frequency Counter	2018
47.	100MHz Dual channel Digital Storage Oscilloscope	2018
48.	8085 Microprocessor Kit	2018
49.	Adder and Subtractor Trainer Kit	2018
50.	Advanced Analog Circuits Development Platform & Analog Electronics teaching software	2018
51.	Advanced Digital Workstation	2018
52.	Analog-Digital Circuits Development Platform	2018
53.	Counters Trainer Kit	2018
54.	Flip-Flop Trainer Kit	2018
55.	Interfacing Module for Microprocessor Kit	2018

	(One Module of Each)	
56.	Multiplexer and De-multiplexer Trainer Kit	2018
57.	Operational Amplifier Lab	2018
58.	Parallel Adder and Subtractor Trainer Kit	2018
59.	Ready to Use Board with detachable modules. (One module of each)	2018
60.	Shift Registers Trainer Kit	2018
61.	SOP & POS Implementation Trainer Kit	2018
62.	Understanding and Experimentation with Digital ICs	2018
63.	Understanding Microprocessor 8085 Kit	2018
64.	Universal Gates Trainer Kit	2018
65.	Universal IC Tester	2018
66.	Switch iball 8 port	2019
67.	Smart LED Display with DTH	2019
68.	Dell Vostro Laptop	2019
69.	Samsung Printer Multi Transfer Xpress	2019
70.	Speech Processing Development Platform	2020
71.	Audio Video & Image Processing Development	2020
72.	MATLAB Software	2020

Analog Electronics Lab

S. No.	Equipment Name	Year of Purchase
1.	Function Generator	2002
2.	Dual Trace Oscilloscope 20 MHz	2002
3.	Penta-media Simulation Software	2002
4.	Audio Amplifier	2002
5.	Emitter Follower Amplifier	2002
6.	Differential Amplifier	2002
7.	FET Amplifier	2002
8.	Two Stage RC Couple Amplifier	2002 2006
9.	Negative Feed Back Amplifier	2002
10.	Two Stage Transformer Couple Amplifier	2002
11.	Wide Band Amplifier	2002
12.	Study of Current & Voltage Regulator Power supply	2002
13.	ZENER regulated ps with power supply	2002
14.	Characteristics of Diode & ZENER Diode	2002
15.	Characteristics of Transistor	2002
16.	Characteristics of FET	2002
17.	Transistor Biasing method	2002
18.	Characteristics of MOSFET	2002
19.	Diode limiter Clipper & Clamper	2002
20.	A/D converter Trainer kit	2002
21.	DC regulated power supply	2002
22.	Push pull Amplifier	2002
23.	Study of Op- amp kit	2002
24.	Determination of Band gap	2002
25.	PISCO make D.C Voltmeter (0-5V)	2002

26.	SCIENTECH Function Generator	2003 2006
27.	Cable continuity Tester with leaf & led indication	2003
28.	Electronic & Electric system	2003
29.	Op – Amp advanced experimental panel	2003
30.	Oscillator & multi-vibrator	2003
31.	Op – Amp Circuit panel	2003
32.	Rectifier filter ZENER panel	2003
33.	Voltage & current regulator panel	2003
34.	ADTRON RC Phase Shift Oscillator	2003
35.	ADTRON Colpitt Oscillator	2003
36.	ADTRON Hartley Oscillator	2003
37.	ADTRON Wien Bridge Oscillator	2003
38.	ADTRON Negative Feedback Amplifier	2003 2006
39.	ADTRON Series Voltage Regulator	2003
40.	ADTRON Half Wave /Full wave bridge Rectifier	2003
41.	APLAB 1 MHz Function Generator	2004
42.	APLAB 1- MHz low distortion digital signal / frequency counter	2004
43.	Analog Bread Board Trainer kit	2004
44.	Dayton 41 Bit magnetic tool kit	2004
45.	Screw driver kit	2004
46.	10 KVA UPS ON with 32 battery Exide	2004 2005
47.	Digital Multi-meter	2005 2006
48.	Analog Multi-meter	2005 2006
49.	Experimental trainer for design K – filter	2005
50.	Experimental trainer for design M – filter	2005
51.	Experimental trainer for design T/PIE– Attenuator	2005
52.	Multi Output Power supply	2005
53.	Experimental Trainer kit(two port network)	2005
54.	Bread Board Trainer kit (analog) kit	2005
55.	Linear IC Tester	2005
56.	LCR Q meter	2005
57.	FUTURETECH make Multi-vibrator kit	2005
58.	PN Diode ZENER Diode characteristic kit	2005
59.	Single stage amplifier kit	2006
60.	Micro Ammeter(0-200 ma)	2005
61.	Demonstration kit of spectrum analyzer	2006
62.	Transistor R.F. Oscillator kit	2006
63.	Digital Storage Oscilloscope	2006
64.	Function generator 10 MHz	2006
65.	Analog – Digital lab	2007
66.	Multipurpose Oscilloscope	2007
67.	3 KVA on line UPS with 30 MHz back up	
68.	Visualizer set	2014
69.	Interactive Board	2014
70.	Electronic Pen	2015

71.	Portable Pad / Interactive pad	2015
72.	Computer set	2014
73.	Projector with Wireless Adaptor & Bag	2014
74.	Tanner EDA Tool (Software)	2014
75.	Printer	
76.	10 MHz Synthesized Function Generator	2018
77.	30 MHz Micro controller based analog Oscilloscope	2018
78.	Clipper & clamper Circuit kit	2018
79.	Digital Multi-meter	2018
80.	Characteristic TTL & CMOS	2018
81.	FET Amplifier	2018
82.	Haltely & Colpitt Oscillator	2018
83.	K – Derived Filter (LPF & HPF) with 1 MHz	2018
84.	Phase shift Oscillator	2018
85.	Power & Differential Amplifier	2018
86.	RC Coupled amplifier with feedback	2018
87.	Schmitt Trigger comparator	2018
88.	Transistor series voltage regulator	2018
89.	Transistor shunt voltage regulator	2018
90.	UJT Relaxation Oscillator	2018
91.	Characteristics MOSFET, FET, UJT	2018
92.	Wien Bridge	2018
93.	Samsung Printer	2019
94.	Dell Vostro Laptop	2019
95.	View sonic Interactive flat panel 65”	2020

Applied Electronics Lab

S. No.	Equipment Name	Year of Purchase
1	Microwave Training Kit (Test Bench)	2005
2	Microwave Training Kit (Test Bench)	2005
3	Microwave Training Kit (Test Bench)	2005
4	Microwave Training Kit (Test Bench)	2005
5	R.F. Filter	2007
6	Microwave Test Bench without power meter	2009
7	MIC Trainer Kit	2020
8	ET Thyset DC shunt motor control	2006
9	Power Scope	2006
10	Function generator	2006
11	KEW-variatic	2006
12	Windwall coil winding machine	2006
13	PLL kit using IC-565	2006
14	Audio amplifier kit using BJT	2006
15	SCR converter & reactive loads	2006
16	Voltage commutated chopper	2006
17	Current commutated chopper	2006
18	Single phase PWM Inverter	2006
19	BUCK BOOST REGULATOR	2006
20	CRO	2007
21	APLAB 5 in 1 test lab with oscilloscope	2007

22	APLAB 4 in 1 test lab with oscilloscope	2007
23	APLAB Function generator	2007
24	APLAB Battery Analyzer	2007
25	Boost converter	2020
26	Buck Converter	2020
27	Power Electronics Lab	2020
28	Power Electronics Lab with PWM Inverter	2020
29	SCR Triggering Circuit	2020
30	SCR Triggering Techniques	2020
31	Under Standing Characteristics	2020
32	Single Phase Cylco Converter	2020
33	Speed Control of AC Motor	2020

Antenna Lab

S. No.	Equipment Name	Year of Purchase
1.	Antenna Kit	2006
2.	Microwave kit	2006
3.	Microwave Power Meter	2006
4.	PCAAD Antenna simulation software (With 10 CD)	2006
5.	Computer system	2014
6.	CST Studio suit software	2014
7.	ANSYS Academic Teaching HFSS software	2016
8.	PCB Antenna Proto type Machine	2016
9.	Computer System	2016
10.	Vector Network Analyzer	2017
11.	Satellite Communication Trainer	2019
12.	CDMA-DSSS Trainer	2019
13.	Radar Trainer	2019
14.	GPS Trainer	2019
15.	Bio-Signal Data Acquisition System	2020

Communication Lab

S. No.	Equipment Name / Make	Year of purchase
1.	SCIENTECH DSB/SSB AM receiver trainer kit ST2202	2003
2.	SCIENTECH DSB/SSB AM transmitter trainer kit ST 2201	2003
3.	SCIENTECH FM transmitter & receiver trainer kit ST 2203	2003
4.	SCIENTECH PAM-PPM- PWM modulation & demodulation trainer kit ST2110	2003
5.	SCIENTECH TDM – PAM modulation / demodulation trainer kit ST2102	2003
6.	SCIENTECH TDM – PCM modulation / transmitter trainer kit ST2103	2003
7.	SCIENTECH TDM – PCM modulation / receiver trainer kit ST2104	2003
8.	SCIENTECH Delta, Adaptive delta & delta sigma modulation trainer kit ST2105	2003

9.	SCIENTECH Data formatting & carrier modulation/ transmitter trainer kit ST 2106	2003
10.	SCIENTECH carrier demodulation & data reformatting receiver trainer kit ST 2107	2003
11.	SCIENTECH Binary data generator ST 2111	2003
12.	SCIENTECH sampling & reconstruction trainer kit ST2101	2003
13.	SCIENTECH transmission line trainer kit ST 2266	2003
14.	SCIENTECH fiber optical trainer kit ST 2501 & 2502	2003 2006
15.	Super heterodyne receiver kit ADTRON 6007	2004
16.	Intercom system	2004
17.	1 GHz spectrum analyzer with tracking generator SA 3011 1. Manual 2. Main codes 3. Mini alligator clip 4. BNC cables 5. RF antenna	2005
18.	Digital storage oscilloscope 60 MHz	2005
19.	SCIENTECH satellite trainer kit ST 2271 (a) Uplink Transmitter (b) Satellite Transponder (c) Downlink receiver Accessories 1. Operating manual 2. Main codes 3. Audio video cables 4. Dish antenna 5. BNC small cable 6. BNC banana cable 7. Dynamic micro phone 8. Software CD	2005
20.	CRO M – HM 203G (a) BNC – BNC Cable (b) Mains cord (c) BNC Test Probs (d) Test Probs (e) Manual w- card	2006
21.	LCRQ Meter M 6018 (a) Manual (b) BNC – CROC (c) Power cable	2006
22.	Distortion Meter HM 5027 (a) Manual (b) BNC – BNC	2006
23.	ADTRON Automatic Gain Control M 5034 (a) Manual (b) Leads	2006
24.	Digital Multi-meter (a) Test lead (b) Manual	2006
25.	Cable Continuity Tester	2006

26.	SCIENTECH PAM-PPM modulation & demodulation trainer kit ST2110	2006
27.	Display Board of Connector	2006
28.	Display Board of Cable	2006
29.	Sigma 3 band AM Radio Receiver Kit RDM 102A	2006
30.	Filter Noise Audio Amplifier Kit-Com- 207 F	2007
31.	Fiber Optic Trainer Kit FC-01,02,03,04	2007
32.	(a) SCIENTECH Transmission Line Trainer (b) Function Generator	2007
33.	SCIENTECH Fiber Optic Power Meter YC-2100	2007
34.	ASK-PSK-FSK-QPSK-Modulation Trainer CS 1223 Tx	2008
35.	ASK-PSK-FSK-QPSK-Demodulation Trainer CS 1223 Rx	2008
36.	PRE- Emphasis And De-Emphasis Kit	2008
37.	Digital Fiber Optic Trainer Interface 1304	2008
38.	Noise Generator	2008
39.	Plain Almirah	2016
40.	Faculty Chair	2010
41.	Fire Extinguisher (2Kg)	2016
42.	Projector	2016
43.	Water Can	2017
44.	CRO Probes Soldering Iron Solder Wire Connecting leads	2017
45.	ASK, FSK, BPSK, DBPSK Modulation Trainer Kit	2019
46.	Automatic Gain control circuit (AGC) Trainer Kit	2019
47.	AM Receiver Trainer Kit	2019
48.	AM Transmitter Trainer Kit	2019
49.	Error Detection and correction cyclic codes Trainer Kit	2019
50.	FDM Trainer Kit	2019
51.	Frequency Modulation /Demodulation Trainer Kit	2019
52.	Fibre Optical Trainer Kit	2019
53.	PAM, PPM, PWM Line Coding trainer kit	2019
54.	PCM Modulation /Demodulation Trainer Kit	2019
55.	PCM, DPCM, CVSD Modulator Trainer Kit	2019
56.	QPSK, OQPSK, DQPSK Modulator Trainer Kit	2019
57.	Sampling & Reconstruction Trainer Kit	2019
58.	Super Heterodyne Receiver Trainer Kit	2019
59.	2 , 4 Channel TDM-PCM Trainer Kit	2019
60.	Virtual Instrument Software (10 user)	2019
61.	Table Type Digital Podium	2020
62.	HP all in one display computer with dongle	2020
63.	Cadence Software (PG Bundle)	2020
64.	Graphics Tab XP pen	2021

Department of Textile Technology

S. No.	Name of equipment	Laboratory	Year of purchase	Cost of purchase in INR
1	Evenness tester & classifying machine	Textile testing	30/09/2019	3674992/-
2	Premier classification system IQ6 Yarn fault	Textile testing	30/09/2019	3580592/-
3	Air permeability	Textile testing	10/09/2014	1264940/-
4	Computerized Tensile Tester Instron 3365	Textile testing	12/03/2014	1871419/-
5	Tensile Tester 4465	Textile testing	1995	120000/-
6	Yarn friction tester	Textile testing	09/03/2017	1198366/-
7	Martindle Abrasion Tester	Textile testing	28/03/2017	1968966/-
8	Stereo Zoom Trinocular Microscope	Textile testing	2019	127440/-
9	Warping Machine (Prashant Gamatex)	Weaving	16/03/1990	1487899/-
10	Air Jet loom (Harish Wivita)	Weaving	18/03/1990	335100/-
11	Auto loom (Pirn change type)	Weaving	04/11/1992	400000/-
12	Drop box loom 4 X 4 (National)	Weaving	30/03/1996	142600/-
13	Mini sizing machine with hot air	Weaving	30/03/1996	448895/-
14	Projectile weaving machine (Sulzer)	Weaving	1/16/1998	1700000
15	Tape loom	Weaving	24/12/1999	440774/-
16	TRYTEX Ring Spinning Six Spindle	Spinning	04/02/2020	1020700/-
17	Speed frame machine (trytex, Coimbtore)	Spinning	24/03/2021	914500/-
18	Carding Machine (Trytex, Coimbtore)	Spinning	24/03/2021	737500/-
19	Miniature Drawing Machine (Trytex, Coimbtore)	Spinning	24/03/2021	737500/-
20	Flat Knitting Machine (Bharat Machines, Ludhiana)	Weaving	27/02/2021	328925/-
21	Single End Circular Knitting Machine (Trytex, Coimbtore)	Weaving	24/03/2021	413000/-

22	Computerised Miniature Needlepunching (Trytex, Coimbtore)	Weaving	24/03/2021	903880/-
23	Air Compressor	Weaving	2020	776000/-
24	Sample Weaving Machine	Weaving	24/03/2021	903880/-
25	Desktop Computer All in one (3 No.)	Department	2015	116550/-
26	Projector	Department	2016	207766/-
27	Wonder Weave System	CAD Lab	2013	364000/-
28	Wonder Weave System	CAD Lab	2017	600000/-
29	Systat Software 5 users	Department	2018	233640/-
30	Ginning Machine (Lab Model)	Spinning	16/02/2008	50000/-
31	Blow room Line (Cotton)	Spinning	28/03/1989	1670639/-
32	Carding Machine MEI	Spinning	25/02/1987	270000/-
33	Carding Machine Venkateshwara	Spinning	21/03//1995	400000/-
34	Miniature Carding Machine	Spinning	03/12/1998	40000/-
35	Trace Analyser	Spinning	03/12/1998	100000/-
36	Draw Frame	Spinning	19/01/1988	136911/-
37	Draw Frame	Spinning	17/02/1988	200000/-
38	Miniature Draw Frame	Spinning	03/12/1988	50000/-
39	Lap Former	Spinning	06/02/1995	200000/-
40	Comber	Spinning	1995	1000000/-
41	Simplex (64 Spindles)	Spinning	27/03/1989	377059/-
42	Simplex (36Spindles)	Spinning	31/12/1996	500000/-
43	Ring Frame (72 Spindles)	Spinning	29/04/1988	188719/-
44	Ring Frame (96Spindles)	Spinning	15/03/1998	400000/-
45	Miniature Ring Frame (6 Spindles)	Spinning	15/01/1993	50000/-
46	Air Jet cum Ring Frame (8 Spindles)	Spinning	31/03/1998	50000/-
47	Rotor Spinning (36 Rotors)	Spinning	24/04/1993	500000/-
48	Cheese Winding (60 Drums)	Spinning	27/03/1990	100000/-
49	TFO (32 Drums)	Spinning	28/03/1989	575962/-
50	Projection Microscope (5) Radical	Fibre Science	1995	50000
51	Projection Microscope (5) KGW	Fibre Science	1998	100000/-
52	Hot Oven (Big Size)	Fibre Science	2013	25000/-
53	Air Jet Texturizing Machine	Fibre Science	1998	20000/-
54	Digital Microscope	Fibre Science	2016	100000/-
55	ASTM Board	Testing	1994	60000/-
56	Infrared oven	Testing	1993	30000/-
57	Electronic Twist Tester	Testing	1994	40000/-
58	Drape Meter	Testing	1994	40000/-
59	Yarn Tension Meter	Testing	1994	20000/-
60	Compressor Elgi	Testing	1995	40000/-
61	Electronic Balance	Testing	1998	150000/-
62	Conditioning Chamber	Testing	1998	50000/-

63	Leica Microscope Software and CCTV	Testing	2015	900000/-
64	Cotton Fineness Tester	Testing	2014	50000/-
65	Tearing Strength Tester	Testing	2014	55000/-
66	Hairiness Tester	Testing	1992	1200000/-
67	Bursting Strength Tester	Testing	2016	81419/-
68	Auto Creep Reel	Testing	2016	52290/-
Total				37765203/-
69	Airjet Weaving Machine Picanol	Weaving	Donated by Industry	1000000/-
70	Uster HVI	Textile Testing	Donated by Industry	500000/-
71	Uster Classimate	Textile testing	Donated by Industry	500000/-
Total				39765203