Consolidated_Report

1.College

Name Of the College	DHANALAKSHMI COLLEGE OF ENGINEERING
Address	MANIMANGALAM PUDUCHERI ROAD, MANIMANGALAM, MANIMANGALAM POST, SRIPERUMBUDUR TALUK, KANCHEEPURAM DISTRICT, CHENNAI
Pincode	601301
Year of establishment of the college	2000
Type of the Institution	SELF FINANCING
Category Of the College	NON MINORITY
Type of college	ENGINEERING
Is the College Autonomous	NO
Is the college Functioning at the above said-approved site?	YES
Mobile Numbers	9841027738
Telephone Numbers	044 - 71700800
Other Telephone Numbers	-
E mail ID	chairman@dce.edu.in
Website Address	WWW.DCE-EDU.in
Inclusion under Sections 2(f) and 12(B) of the UGC Act, 1956	
Section 2(f)	Included
Letter No. and date, if included	8-578/2017 & 30-11-2017
Section 12(B)	Included
Letter No. and date, if included	8-578/2017 & 30-11-2017
Any other Accreditation / Recognition	NAAC
NIRF rank number in respective categories (Upload Certificate in Sl.No.28)	
Engineering & Technology	0
Architecture	0
Management	0

2. Trust details

The Head of the Trust	Chairman
Name Of the Trust/Society	Dhanalakshmi Educational Trust
Address of the Registered Office	44,Seshachala Street, Saidapet
	Chennai - 600 015
District	Chennai
Name of the Chairman	Dr. Ramamurthi VP
Father Name	Mr. Perumaliah VR
E-mail	chairman@dce.edu.in
Mobile Number of the Chairman	9841027738
Telephone number - Office	044 - 24363321
Telephone number - Residence	044 - 22431071
Registration Number & Date	Registration Number: 707/1998 — Date: 01-09-1998

3. Principal

Name	Dr. Ramesh babu durai c
Date of birth	13-02-1977
Age	46
Father Name	Mr. chella durai c
Date of joining	20-10-2021
Experience	24
Telephone number - Office	044 - 71700800
Telephone number - Residence	91 - 71700800
Mobile number	9962351041
E-mail	principal@dce.edu.in
Residential Address Line 1	no.8, goodwill nagar, 1st main road,bharathi nagar
Line 2	old perungalathur,tambaram, chennai-600063
District	Kancheepuram

Educational Qualification	Degree	Specialization	Class
	M.E.	Applied Electronics	First Class
	Ph.D.	Faculty of Information and Communication Engineering	First Class
	B.E.	Electrical and Electronics Engineering	First Class

Title of the Ph.D. Thesis	certain improvements in classification algorithms for content based image retrieval

4. Governing council

Name	Position	Qualification	Present Designation / Occupation	Telephone Numbers	Mobile No.	E-mail id	Address
Dr. pradeepkumar ar	Members	Ph.D.-Faculty of Mechanical Engineering	professor	044 - 71700800	9941424337	HOD.MECH@DCE.EDU.IN	1/8, LAKSHMI NAGAR,CHROMEPET - CHENNAI,600044 Kancheepuram
Dr. Ramesh Babu Durai c	Member Secretary	Ph.D.-Electrical and Electronics Engineering	Principal	044 - 71700800	7299016647	principal @DCE.EDU.IN	Bharathi nagar - chennai Chengalpattu
Dr. Subramani Ramakrishnan	Members	Ph.D.-Others-Information and Communcation Enggineering	hr manager talent acquisition	-	9791032904	subramani @in.ibm.com	chennai - chennai Chennai
Dr. Kamelesh Pjoshipura .	Members	Ph.D.-Others-lAW	professor saurashtra university	-	9824212033	kpjoshipura@yahoo.com	saurashtra university, rajkot - gujarath 360005 Others-gujarath
Dr. Anandhakumar P	Members	Ph.D.-Computer Science and Engineering	Professor and HEAD CSE MIT	-	9841667886	anandh@ mitindia.edu	dept. of cse, madras institute of technology, chennai - chennai Chennai
Dr. Annamalai K	Members	Ph.D.-Mechanical Engineering	Professor MIT	-	9444280650	kannamalai70@yahoo.com	Madras institute of technology - chennai Chennai
Dr. Jawahar SS	Members	Ph.D.-Others-Information Communication Enggineering	secretary to govt. of tamil nadu	-	9445399444	ssjawahar 2000@gmail.com	33, ANJANEYAR kOVIL STREET - Hasthinapuram , Chennai Chennai
Dr. Ramamurthi VP	Chairman	Ph.D.-Electrical and Electronics Engineering	Managing Trustee	044 - 71700800	9841027738	dr_vpr2002@yahoo.com	Dhanalakshmi College of Engineering - Chennai - 601301 Kancheepuram
Mr. Sachindran K	Member Secretary	Ph.D.-Electrical and Electronics Engineering	product manager infosys	-	9962580171	sachindrank@gmail.com	f001, sylvan county apts, 2nd avenue, mahindra world city - chengalpet-603002 Kancheepuram
Mr. Sardar Mahaboob Jan A	Members	M.E.-Communication Engineering	power system Consultant	044 - 22430863	9444219013	asmjan@gmail.com	9/3 SPIC Nagar, Velacherry - Chennai 600 042 Chennai
Mr. Sridharan PK	Members	M.Tech.-Information Technology	Ex Executive Director Hexaware Technologies Ltd.	044 - 24320285	9840376246	pks.sridharan@gmail.com	Classic Chettinad, 3rd Floor, 9/4 Cenotaph First Street, Teynampet - Chennai 600 018 Chennai
Mr. Subrahmanyam K	Members	M.Sc.-Others-M.Sc Engg.	Consultant	044 - 71700800	9884465941	koneru11 @gmail.com	3/2, First Street, Vigneswar Nagar, Madipakkam - Chennai 600 091 Chennai
Dr. Anbu Rathinavel S	Members	Ph.D.-Computer Science and Engineering	SR.Vice President	044 - 71700800	9884058512	anburathin@gmail.com	1444,3rd Street, I Block, Anna Nagar West - Chennai 600 040 Chennai
Mr. Balan KS	Members	M.E.-Computer Science and Engineering	Advisor Aicte	044 - 71700800	9841294881	balan_ks@ gmail.com	30, FL3, FIRST FLOOR, RE APARTMENT, GOLDEN AVENUE MAIN ROAD, VIJAYANAGAR, VELACHERRY - CHENNAI 600 042 Chennai
Mr. Mohan HR	Members	M.Tech.-Environmental Science and Technology	ASSOCIATE VICEPRESIDENT SYSTEMS THE HINDU	044 - 22313738	9841432179	HRMOHAN@GMAIL.COM	NO.40B/41, PHASE V, 15TH CROSS, WOOD CREEK COUNTY, GANAPATHIPURAM EXTN. ST. THOMAS MOUNT, - CHENNAI - 600 016. Chennai
Dr. Panneer Selvam MA	Members	Ph.D.-Computer Science and Engineering	DEan Tagore Engineering College	044 - 22432199	9003231499	mpselvam @gmail.com	NO.8, ENGINEERS AVENUE, 20TH STREET, TANSI NAGAR, VELACHERY, - CHENNAI - 600 042. Chennai

Dr. Kasthuri K	Members	Ph.D.-Computer Science and Engineering	Dean PG SSN College of Engineering	044 - 24421453	944492645 3	kasthurik @ssn.edu. in	PLOT NO. 55, Door No. 41, THIRD EAST STREET, THIRUVANMIYUR, - CHENNAI - 600 041. Chennai
Dr. Ponnavaikko M	Members	Ph.D.-Information Science and Engineering	provost vinayaka mission university	-	984009065 2	ponnav@g mail.com	Srm university, kattankolathur - chennai Kancheepuram

5. planning and monitoring

Name	Position	Category	Qualification	Present Designation / Occupation	Telephone Numbers	Mobile Numbers	E-mail ID	Address
Dr. C Ramesh Babu Durai	Chairman	Principal of the college	Ph.D. - Electrical and Electronics Engineering	Principal	044 - 71700800	7299016647	principal@dce.edu.in	No.08, goodwill nagar 1st main road, bharthi nagar-tambaram chennai Kancheepuram
Mr. Sachindran K	Member	Industrial expert in the field of engineering and technology	M.S - Applied Electronics	Others - Product Line Manager Infosys Ltd	-	9962580171	sachindrank@gmail.com	F001, Sylvan County Apts, 2nd Avenue, Mahindra World City-Chengalpattu 603 002 Kancheepuram
Dr. Duraisamy S	Member	Senior faculty member of the college	Ph.D. - Maths	Professor	-	9841563353	vpadmin.dce@gmail.com	7, 15th street, Aarabhi Flats, Nanganallur-Chennai -61 Chennai
Dr. PRADEEP KUMAR AR	Member	Senior faculty member of the college	Ph.D. - Mechanical Engineering	Professor	-	9840203009	hod.mech@dce.edu.in	1/8 LAKSHMI NAGAR CHROMEPET-Chennai 600 100 Chennai
Dr. LAKSHMANAN D	Member	Senior faculty member of the college	Ph.D. - Faculty of Science and Humanities	Professor	044 - 71700800	9443489405	GDLAKSHMANCHEEM@GMAIL.COM	5/80, ARULAHAM, ELANGO NAGAR, MALAIYUR-MAILADUTHURAI, 609107 Mayiladuthurai
Dr. Natarajan RK	Member	Senior faculty member of the college	Ph.D. - Physics	Professor	-	9444464439	rknbala@gmail.com	11, 2nd Main Road, SVS Nagar, Valasaravakkam-Chennai 84 Chennai
Dr. Srinivasan A	Member	Senior faculty member of the college	Ph.D. - Electronics and Communication Engineering	Professor	-	9080461506	srinivasan.a@dce.edu.in	NO 1B/27 GANDHI NAGAR MAIN ROAD-OLD PERUNGALATHUR CHENNAI 600063 Chennai
Dr. Kaarmegam M	Member	Architect /Civil Engineer	Ph.D. - Civil Engineering and Planning	Professor	-	9444023510	mkaarmegam@yahoo.com	K2, Anna Nagar East-Chennai 102 Chennai

6(i). Anti-Ragging Committee

Sl. No.	Name	Position	Category	Present Designation / Occupation	Telephone Numbers	Mobile Numbers	E-mail id	Address
1	Dr. Karthikeyan K	Member	Police Department	Additional Superintendent Police	044 - 27162202	9498111911	manimanga2009@gmail.com	Manimangalam Police Station, Sriperumputhur Taluk - Sriperuputhur 601 301 Kancheepuram
2	Mr. Raja M	Member	Revenue/Taluk/ Civil/Officers	Editor Mmalaimalar Media	-	7395976003	rajakan76@gmail.com	4/11 anjaneyar kvil street , hasthinapuram - chennai Chennai
3	Mrs. Jenitha V	Member	Revenue/Taluk/ Civil/Officers	Revenue Taluk	-	9790930816	jenitha.v@gmail.com	bajaniai kovil street, muthavakkM VILLage, baluchetty chathiram post - kanchipuram - 551 Kancheepuram
4	Mr. Yogeshwaran KC	Member	Official of NGO	Official Of NGO	-	9380114508	yoageswaran@yahoo.com	1/71, east madhar street, manimangalam, - chennai - 601301 Kancheepuram
5	Mrs. Sheela R	Member	Representatives of parents	OfficeSuperintendent Southern Railways	-	9884815745	rsheela1963@gmail.com	2729, papa foundation, akbarapath street - kodambakkam -600024 Chennai
6	Mr. kishore .	Member	Representatives of Students	Student	-	9791164849	kishorercdce1718@gmail.com	4/11, manomalini flat, anjaneyar koil street, maruthi nagar - hasthinapuram, chennai - 600 064 Chennai
7	Mr. Kumaresh VR	Member	Representatives Non-Teaching	Forman Mechanical	-	9043666003	kumersh.kanchi@gmail.com	15/5, shastripalayam street, little kanchipuram - kanchipuram Kancheepuram

6(ii). Anti-Ragging Squad

Name	Position	Category	Present Designation / Occupation	Telephone Numbers	Mobile Numbers	E-mail id	Address
Dr. Ramesh Babu Durai C	Chairman	Principal	principal	044-71700800	7299016647	principal@dce.edu.in	SESHACHALAM STREET-601301 Chengalpattu
Dr. Pradeep Kumar AR	Member	HOD1	Professor	044-71700800	9941424337	dearpradeepkumar@gmail.com	New no.1, Lakshmi Nagar, Near Vaishnava College-Chrompet, Chennai Kancheepuram
Mrs. Esther Gandhimathi S	Member	Faculty members (Preferably 2 Male and 2 Female)	Associate professor	044-71700800	7395992253	esthergandhimathi.s@dce.edu.in	plot no. 3, shalom homes, f - 1, ponrmani appartments, nile street, ttk nagar,-cnennai - 600045 Kancheepuram
Mr. Thirumoorthy P	Member	Faculty members (Preferably 2 Male and 2 Female)	HOD EEE	-	9840620125	thirumoorthy.p@dce.edu.in	PLOT 31, PINK HOUSE VILLA,-CHENNAI - 600069 Kancheepuram
Dr. Srinivasan A	Member	Faculty members (Preferably 2 Male and 2 Female)	Professor and Head	-	9080461506	srinivasan.a@dce.edu.in	Main road-Chennai 63 Chengalpattu
Mr. tamilselvan s	Others	Boys hostel	depty warden boys hostel	-	8883771884	tamilselvan.s@dce.edu.in	1/97 a, vadabathi street, matham post, srikali taluk, mailadudurai dist.-609104 Mayiladuthurai
Mr. Rajasekaran A	Others	Deputy warden	Assistant Deputy warden boys hostel	-	8248301806	rajasekaran.a@dce.edu.in	3,sixth street,bhavani nagar,-katpadi,632006 Vellore
Mrs. Saraswathy S	Others	deputy warden	deputy warden girls hostel	-	8939885255	saraswathy.s@dce.edu.in	305,vishnu nagar,kalangaperi village-rajapalayam,626108 Virudhunagar
Dr. Manoj Kumar R	Others	Physical Director	physical director	-	9787541272	manojkumarmphil@gmail.com	135, Vigna rajapruam, 3rd main road, Santhosapuram,-Chennai - 73 Kancheepuram

7(i). Discipline and Welfare Committee

Sl.No.	Name	Position	Category	Telephone Numbers	Mobile Numbers	E-mail id	Address
1	Dr..Pradeepkumar.AR	Member	Head of the Department	-	9941424337	hod.mech@dce.edu.in	1, lakshmi nagar, chrompet-chennai - 600044
2	Dr..Ramesh Babu Durai.C	Chairman	Principal	044-71700800	7299016647	principal@dce.edu.in	NO.08, GOODWILL NAGAR 1ST MAIN ROAD, bharathi nagar-tamabaram chennai
3	Mr..Hariharan.V	Member	Senior Faculty	-	9003506306	hariharan.v@dce.edu.in	c1,-Kanjeepuram,631502
4	Mr..Thirumoorthy.P	Member	Senior Faculty	-	9840620125	thirumoorthy.p@dce.edu.in	plot njo.31, pink house villa, near dhanalakshmi college of engg.-chennai 600059
5	Dr..Manoj Kumar.R	Others	Physical Education	-	9787541272	manojkumarmphil@gmail.com	135, Vigna rajapuram, 3rd main road, Santhosapuram,-Chennai-73
6	Dr..Devasena.A	Member	Lady faculty member	-	9884837508	devasena.a@dce.edu.in	r2,,hansagarden,madampakkam main road,rajakelpakkam,-chennai-600073
7	Mrs..Pauline jothi kiruba.GJ	Member	Lady faculty member	-	9944060287	paulinejothi.kiruba@dce.edu.in	no 20 venkatesan street east tambaram-chennai,600059
8	Mrs..Saraswathi.S	Member	Warden / Deputy Warden of Girls Hostel	-	9841987568	dcehrc@gmail.com	305, Vishnu Nagar North, Rajapalayam-chennai-601301
9	Mr..Rajasekaran.A	Member	Warden / Deputy Warden of Boys Hostel	-	8248301806	rajasekaran.a@dce.edu.in	3,sixth street,bhavani nagar,-katpadi,632006

7(ii). Complaints cum Redressal Committee

Sl.No.	Name	Category	Present Designation / Occupation	Telephone Numbers	Mobile Numbers	E-mail id	Address
1	Dr. Ramamurthy VP	Chairman	Others-Chairman	044-71700800	9841655959	chairman@dce.edu.in	no,20th street,tansi nagar,velacherry-chennai-42 Kancheepuram
2	Dr. Praddepkumar AR	Hod Mech	Professor	044-71700800	9941424337	pradeepkumar.ar@dce.edu.in	new no.1,lakshmi nagar,near vaishnava college chrompet-chennai Kancheepuram
3	Mr. Thirumoorthy P	Hod EEE	Professor	044-71700800	9840620125	thirumoorthi.p@dce.edu.in	plot no 31, pink house villa,-chennai-601301 Kancheepuram
4	Dr. Ramesh Babu durai C	Member	Principal	044-71700800	7299016647	principal@dce.edu.in	SESHACHALAM STREET-601301 Chengalpattu
5	Dr. Srinivasan A	Hod ECE	Professor	044-71700800	9080461506	srinivasan.a@dce.edu.in	no 1b/27 gANDHI NAGAR MAIN ROAD-chennai-600063 Chengalpattu
6	Dr. Natarajan RK	Dean	Professor	-	9444464439	rknbala@gmail.com	11, second main road, svs nagar, valasaravakkam-chennai -600087 Chennai
7	Dr. Devasena A	Senior Faculty	Professor	-	9840727508	devasena1974@yahoo.com	R-2, Hansha Garden, Madambakkam Main Road,-Rajakilpakkam, Chennai - 73 Kancheepuram

8(i). Savings Bank / Current Accounts

Bank Account Type	Bank Name	Branch	Account Number	IFSC Code	Balance amount at the end of last financial year(Rs)	Balance amount as on date(Rs.)
Current Account	AXIS BANK	ADYAR	917020062539460	UTIB0000082	370000	370000
Current Account	AXIS BANK	ADYAR	919020061778798	UTIB0000082	350000	350000
Current Account	INDIAN OVERSEAS BANK	MANIMANGALAM	13302000000259	IOBA0000133	300000	300000
Current Account	INDIAN OVERSEAS BANK	MANIMANGALAM	13302000000289	IOBA0000133	1500000	1500000
Current Account	INDIAN OVERSEAS BANK	MANIMANGALAM	13301000005181	IOBA0000133	170000	170000
Current Account	INDIAN OVERSEAS BANK	MANIMANGALAM	13302000000167	IOBA0000133	2000	2000

8(ii). Long term deposits

Deposits Type	Bank/Govt./Govt.approved Institution Name	Branch	Reference No. of the Fixed Deposit	Amount(Rs)	Date of maturity
Bank	UNION BANK OF INDIA	tambaram	ubi 606103030002084	1000000	21-06-2020
Bank	UNION BANK OF INDIA	tambaram	ubi 606103030002086	1000000	21-06-2020
Bank	UNION BANK OF INDIA	tambaram	ubi 606103030002087	1000000	21-06-2020
Bank	UNION BANK OF INDIA	tambaram	ubi 606103030002088	1000000	26-06-2020
Bank	UNION BANK OF INDIA	tambram	ubi 606103030002085	1000000	21-06-2020
Bank	UNION BANK OF INDIA	Tambaram	ubi 606103030002083	1000000	21-06-2020

8(iii).Endowment

Created with	Deposited in the Bank Name	Branch	Amount(Rs)	Instrument No&Date	Date of expiry
AICTE	INDIAN OVERSEAS BANK	tambaram	100000	606103030001910 - 09-11-2018	09-11-2020
University	INDIAN OVERSEAS BANK	Manimangalam	100000	013304511400485 - 18-12-2014	18-12-2020

Financial Stability
Total financial reserves : 200000
Annual maintenance and development expenditure : 45715130

8(iv). Annual Expenditure

a)Financial Resources: Utilised Amount for the Capital expenditure for previous 3 years:	2022 - 2023	2021 - 2022	2020 - 2021
i)Library (Books, Journals and e-Resources only)	101210	101648	147860
ii)New Equipment and software for Laboratories	1450000	14562105	2326974
iii)Engineering Workshops	100000	100000	100000
iv)Other expenditure on creation of Capital Assets (For setting up classrooms, seminar hall, conference hall , library, Lab, Engg workshops excluding expenditure on Land and Building)	1000000	15755957	2362092

b)Financial Resources: Utilised Amount for the Operational expenditure for previous 3 years:	2022 - 2023	2021 - 2022	2020 - 2021
i)Salaries (Teaching and Non Teaching staff)	26779148	19855474	12968030
ii)Maintenance of Academic Infrastructure or consumables and other running expenditures(excluding maintenance of hostels and allied services,rent of the building, depreciation cost, etc	215000	20425530	13704351
iii)Seminars / Conferences / Workshops	300000	300000	100000

9. Details of Land Availability

Location of the College	Rural
Location	MANIMANGALAM
District	Kancheepuram
Taluk	SRIPERUMBUDUR
Village	MANIMANGALAM
Place	DR VPR NAGAR
Pincode	601301
Extent of land required(in acres)(refer norms)	7.5
Total Extent of land earmarked for the college(in acres)	13.28
Deficiency %	0
Total Built-up Area required (sq.m.)	0
Total Extent Built-up Area available (sq.m.)	45152

	Document no	Date	Survey no	Land earmarked
Document number, Date & Survey no & Land earmarked	2063/1998	01-09-1998	120/3b	1.07
	2064/1998	29-10-1998	120/3a	1.06
	2070/1998	29-10-1998	120/1a	0.60
	2070/1998	30-10-1998	120/7a1b	0.44
	2070/1998	30-10-1998	120/7a2	0.78
	2070/1998	30-10-1998	120/6	2.28
	2070/1998	30-10-1998	120/5a	1.05
	2070/1998	30-10-1998	120/2a1	0.45
	2067/1998	30-10-1998	120/5c	1.05
	977/2000	30-10-1998	120/4	1.87
	2062/1998	15-05-2000	121/2	1.01
	977/2000	29-10-1998	120/a1	0.54
	977/2000	15-05-2000	120/1a	0.17
	977/2000	15-05-2000	120/2b	0.91

10(i). Existing Affiliated Courses

Department	Degree	Course	Year of introduction	Nature of affiliation	Year of Permanent	Accreditation status	Period of accreditation	Letter No. and date	Sanctioned 2018 - 2019	Sanctioned 2019 - 2020	Sanctioned 2020 - 2021	Sanctioned 2021 - 2022	Sanctioned 2022 - 2023	Fifth Year	Fourth Year	Third Year	Second Year	First year
COMPUTER SCIENCE AND ENGINEEERING - -	B.E.	Computer Science and Engineering	2001	Permanent	2017	Not Accreditated		- -	0	120	120	120	120	0	122	77	121	111
COMPUTER SCIENCE AND ENGINEEERING - -	B.E.	Computer Science and Engineering (Cyber Security)	2022	Provisional	-	Not Accreditated		- -	0	0	0	0	60	0	0	0	0	38
ELECTRICAL AND ELECTRONICS ENGINEERING - -	B.E.	Electrical and Electronics Engineering	2001	Permanent	2017	Not Accreditated		- -	0	60	30	30	30	0	20	12	8	7
ELECTRONICS AND COMMUNICATION ENGINEERING - -	B.E.	Electronics and Communication Engineering	2001	Permanent	2017	Not Accreditated		- -	0	120	120	120	60	0	115	21	69	33
MECHANICAL ENGINEERING - -	B.E.	Mechanical Engineering	2011	Provisional	-	Not Accreditated		- -	0	60	30	30	30	0	43	28	11	5
OTHERS - artificial intelligence and data science	B.Tech.	Artificial Intelligence and Data Science	2020	Provisional	-	Not Accreditated		- -	0	0	60	120	120	0	0	23	110	94
MECHANICAL ENGINEERING - -	M.E.	CAD/CAM	2019	Provisional	-	Not Accreditated		- -	0	0	0	18	18	0	0	0	3	1
COMPUTER SCIENCE AND ENGINEEERING - -	M.E.	Computer Science and Engineering	2011	Provisional	-	Not Accreditated		- -	0	0	0	9	9	0	0	0	3	0
ELECTRONICS AND COMMUNICATION ENGINEERING - -	M.E.	Embedded System Technologies	2011	Provisional	-	Not Accreditated		- -	0	0	0	9	9	0	0	0	1	1

10(ii). Existing approved courses

Sl.No.	Degree	Name of the Course	Sanctioned intake in the academic year 2022 - 2023	Intake sought for the academic year 2023-2024	Remarks
1.	B.E.	Computer Science and Engineering	120	120	Continuous for approval
2.	B.E.	Computer Science and Engineering (Cyber Security)	60	60	Continuous for approval
3.	B.E.	Electrical and Electronics Engineering	30	30	Continuous for approval
4.	B.E.	Electronics and Communication Engineering	60	60	Continuous for approval
5.	B.E.	Mechanical Engineering	30	30	Continuous for approval
6.	B.Tech.	Artificial Intelligence and Data Science	120	120	Continuous for approval
7.	M.E.	CAD/CAM	18	18	Continuous for approval
8.	M.E.	Computer Science and Engineering	9	9	Continuous for approval
9.	M.E.	Embedded System Technologies	9	9	Continuous for approval

11. Additional Course(s) for which approval is sought for the academic year '2023-2024'

Sl.No.	Degree	Name of the Course	Intake Sought 2023-2024
1.	B.E.	Computer Science and Engineering	120
2.	B.E.	Computer Science and Engineering (Cyber Security)	60
3.	B.E.	Electrical and Electronics Engineering	30
4.	B.E.	Electronics and Communication Engineering	60
5.	B.E.	Mechanical Engineering	30
6.	B.Tech.	Artificial Intelligence and Data Science	120
7.	M.E.	CAD/CAM	18
8.	M.E.	Computer Science and Engineering	9
9.	M.E.	Embedded System Technologies	9

12(i). Details of students presently studying in all the years

Sl.No	Courses	Total Students B	Total Students G	Total Students T	Religion Hindus B	Religion Hindus G	Religion Muslims B	Religion Muslims G	Religion Christians B	Religion Christians G	Religion Others B	Religion Others G	Religion Total B	Religion Total G	Comm Hindus SC B	Comm Hindus SC G	Comm Hindus ST B	Comm Hindus ST G	Comm Hindus MBC B	Comm Hindus MBC G	Comm Hindus BC B	Comm Hindus BC G	Comm Hindus OC B	Comm Hindus OC G	Comm Muslims OBC B	Comm Muslims OBC G	Comm Christians OBC B	Comm Christians OBC G	Comm Total B	Comm Total G	Nat Indian B	Nat Indian G	Nat NRI B	Nat NRI G	Nat Foreign B	Nat Foreign G	Nat Total B	Nat Total G
1	B.E.-Electronics and Communication Engineering	176	77	253	168	75	7	2	1	0	0	0	176	77	13	10	0	1	28	11	42	21	85	32	7	2	1	0	176	77	176	77	0	0	0	0	176	77
2	B.E.-Electrical and Electronics Engineering	48	12	60	47	12	1	0	0	0	0	0	48	12	16	7	2	0	11	3	13	2	5	0	1	0	0	0	48	12	48	12	0	0	0	0	48	12
3	B.E.-Mechanical Engineering	93	0	93	85	0	2	0	6	0	0	0	93	0	25	0	1	0	17	0	29	0	14	0	2	0	5	0	93	0	93	0	0	0	0	0	93	0
4	B.E.-Computer Science and Engineering (Cyber Security)	28	10	38	24	8	2	0	2	2	0	0	28	10	4	0	0	0	6	4	14	4	0	0	2	0	2	2	28	10	28	10	0	0	0	0	28	10
5	B.E.-Computer Science and Engineering	324	115	439	307	106	12	0	5	9	0	0	324	115	32	15	0	0	52	17	96	34	128	40	11	0	5	9	324	115	324	115	0	0	0	0	324	115
6	B.Tech.-Artificial Intelligence and Data Science	156	76	232	141	70	9	1	6	5	0	0	156	76	20	11	0	0	31	14	57	29	33	16	9	1	6	5	156	76	156	76	0	0	0	0	156	76
7	M.E.-Embedded System Technologies	0	2	2	0	1	0	0	0	1	0	0	0	2	0	0	0	0	0	0	0	2	0	0	0	0	0	0	0	2	0	2	0	0	0	0	0	2
8	M.E.-Computer Science and Engineering	2	1	3	2	1	0	0	0	0	0	0	2	1	1	1	0	0	0	0	0	1	0	0	0	0	0	0	2	1	2	1	0	0	0	0	2	1
9	M.E.-CAD/CAM	4	0	4	4	0	0	0	0	0	0	0	4	0	0	0	0	0	2	0	2	0	0	0	0	0	0	0	4	0	4	0	0	0	0	0	4	0

Students Enrolled as per COE records

Department	Degree	Course	Sanctioned 2018-2019	Sanctioned 2019-2020	Sanctioned 2020-2021	Sanctioned 2021-2022	Sanctioned 2022-2023	Fifth Year	Fourth Year	Third Year	Second Year	First year	Enrollment Percentage
COMPUTER SCIENCE AND ENGINEEERING - -	B.E.	Computer Science and Engineering	0	120	120	120	120	0	122	77	121	111	89.79
COMPUTER SCIENCE AND ENGINEEERING - -	B.E.	Computer Science and Engineering (Cyber Security)	0	0	0	0	60	0	0	0	0	38	63.33
ELECTRICAL AND ELECTRONICS ENGINEERING - -	B.E.	Electrical and Electronics Engineering	0	60	30	30	30	0	20	12	8	7	31.33
ELECTRONICS AND COMMUNICATION ENGINEERING - -	B.E.	Electronics and Communication Engineering	0	120	120	120	60	0	115	21	69	33	56.67
MECHANICAL ENGINEERING - -	B.E.	Mechanical Engineering	0	60	30	30	30	0	43	28	11	5	58
OTHERS - artificial intelligence and data science	B.Tech.	Artificial Intelligence and Data Science	0	0	60	120	120	0	0	23	110	94	75.67
MECHANICAL ENGINEERING - -	M.E.	CAD/CAM	0	0	0	18	18	0	0	0	3	1	11.11
COMPUTER SCIENCE AND ENGINEEERING - -	M.E.	Computer Science and Engineering	0	0	0	9	9	0	0	0	3	0	16.67
ELECTRONICS AND COMMUNICATION ENGINEERING - -	M.E.	Embedded System Technologies	0	0	0	9	9	0	0	0	1	1	11.11
COMPUTER SCIENCE AND ENGINEEERING - -	B.E.	Computer Science and Engineering	0	120	120	120	120	0	122	77	121	111	89.79
COMPUTER SCIENCE AND ENGINEEERING - -	B.E.	Computer Science and Engineering (Cyber Security)	0	0	0	0	60	0	0	0	0	38	63.33
ELECTRICAL AND ELECTRONICS ENGINEERING - -	B.E.	Electrical and Electronics Engineering	0	60	30	30	30	0	20	12	8	7	31.33
ELECTRONICS AND COMMUNICATION ENGINEERING - -	B.E.	Electronics and Communication Engineering	0	120	120	120	60	0	115	21	69	33	56.67
MECHANICAL ENGINEERING - -	B.E.	Mechanical Engineering	0	60	30	30	30	0	43	28	11	5	58

Department	Degree	Course	Sanctioned 2018 - 2019	Sanctioned 2019 - 2020	Sanctioned 2020 - 2021	Sanctioned 2021 - 2022	Sanctioned 2022 - 2023	Fifth Year	Fourth Year	Third Year	Second Year	First year	Enrollment Percentage
OTHERS - artificial intelligence and data science	B.Tech.	Artificial Intelligence and Data Science	0	0	60	120	120	0	0	23	110	94	75.67
MECHANICAL ENGINEERING - -	M.E.	CAD/CAM	0	0	0	18	18	0	0	0	3	1	11.11
COMPUTER SCIENCE AND ENGINEEERING - -	M.E.	Computer Science and Engineering	0	0	0	9	9	0	0	0	3	0	16.67
ELECTRONICS AND COMMUNICATION ENGINEERING - -	M.E.	Embedded System Technologies	0	0	0	9	9	0	0	0	1	1	11.11

12(ii). Students admitted under minority quota

Sl.No.	Course	Boys	Girls	Total

14(i). Consolidated details of faculty available for Science, Humanities & General Engineering

Designation	Maths	Physics	Chemistry	English	Gen. Engg.	Total
Professor	0	0	1	0	0	1
Associate Professor	0	2	1	1	1	5
Assistant Professor	7	1	2	3	5	18
Grand Total **(A)**						24
Total intake applied for the academic year 2023-2024 of all the B.E. & B.Tech. Courses **(S1)**						420
Total no. of faculty members required **(R) = (S1/20)**						21
% Deficiency **[(1-A/R)*100]**						0

14(ii). Consolidated details of faculty for all the courses except M.E. / M.Tech.

S.No	Degree	Course(s)	Total Sanctioned Strngth*(s)	professor				Asso.prof				Asst.prof				Total no.of faculty members available (T=A1+A2+A3)	SSR 1:S/T
				R	A1	D%	CD	R	A2	D%	CD	R	A3	D%	CD		
1	B.E.	Electronics and Communication Engineering	300	2	2	0	0	3	3	0	0	10	10	0	0	15	20
2	B.E.	Electrical and Electronics Engineering	90	1	1	0	0	1	1	0	0	3	3	0	0	5	18
3	B.E.	Mechanical Engineering	90	1	1	0	0	1	1	0	0	3	4	0	0	6	15
4	B.E.	Computer Science and Engineering (Cyber Security)	60	0	0	0	0	1	1	0	0	2	2	0	0	3	20
5	B.E.	Computer Science and Engineering	360	2	2	0	0	4	4	0	0	12	12	0	0	18	20
6	B.Tech.	Artificial Intelligence and Data Science	300	2	2	0	0	3	3	0	0	10	10	0	0	15	20

14(iii). Consolidated details of faculty for M.E. / M.Tech. only

Sl.No	Name of the Course(s)	Qualification(s)	Required	Available	Deficiency%	Cadre Deficient
1	M.E.-Embedded System Technologies	Ph.D	0	0	0	0
		M.E./M.Tech.	1	1	0	0
		Total	1	1	0	0
2	M.E.-Computer Science and Engineering	Ph.D	0	0	0	0
		M.E./M.Tech.	1	1	0	0
		Total	1	1	0	0
3	M.E.-CAD/CAM	Ph.D	1	1	0	0
		M.E./M.Tech.	1	1	0	0
		Total	2	2	0	0

15. Non-teaching staff

SL.No	Category	Department	Name of the staff	Designation	Qualification	Date of joining the present post	Previous experience	Date of Birth	Age	Scale of pay	Basic Pay	Total emoluments
1	Library and Physical Education - -	OTHERS-Physical Education	Dr. Manoj Kumar R	Physical Education Director	M.Phil.	05-01-2009	0.00	10-11-1982	34	15600-39100	17610	32358
2	Library and Physical Education - -	OTHERS-Librarian	Mr. Suresh K	Librarian	M.Phil.	17-08-2001	0.00	05-06-1973	43	15600-39100	18320	27971
3	Library and Physical Education - -	OTHERS-Library Asst	Mr. Elango S	Others-library Asst	Others-hsc	04-09-2002	0.00	04-06-1965	51	5200-20200	6500	13659
4	Ministerial Staff - -	OTHERS-ADMIN	Mrs. Hepzi V	Others-Junior Asst	Bachelor	01-01-2012	11.00	05-12-1973	43	5200-20200	4500	8175
5	Ministerial Staff - -	OTHERS-ADMIN	Mr. Reghunathan MR	Others-Asst	Bachelor	03-09-2012	20.00	12-03-1967	49	5200-20200	8500	14825
6	Ministerial Staff - -	OTHERS-ADMIN	Mr. Baskar RR	Others-Site Supervisor	Others-Hsc	16-07-2013	2.00	07-05-1989	27	5200-20200	4500	11360
7	Ministerial Staff - -	OTHERS-ADMIN	Mrs. Saraswathi S	Others-Hoste Warden	Masters	12-05-2007	0.00	11-03-1964	52	5200-20200	6500	12683
8	Ministerial Staff - -	OTHERS-ADMIN	Mr. Thirunavukarassua	Others-Office Asst	Others-ITI	26-06-2008	3.00	15-07-1961	55	4800-10000	4500	7419
9	Ministerial Staff - -	OTHERS-ADMIN	Mrs. Padma A	Others-PA	Bachelor	07-01-2009	12.00	19-05-1966	50	5200-20200	6500	13729
10	Ministerial Staff - -	OTHERS-ADMIN	Mrs. Vasuki R	Others-Junior Asst	Bachelor	21-01-2009	4.40	26-01-1979	37	5200-20200	6500	11269
11	Ministerial Staff - -	OTHERS-ADMIN	Mr. Udhyakumar L	Others-Block Incharge	Bachelor	21-07-2009	18.00	12-05-1962	54	4800-10000	4500	9155
12	Ministerial Staff - -	OTHERS-ADMIN	Mr. Rajkumar NK	Others-Block Incharge	Bachelor	21-07-2009	25.00	11-01-1963	53	4800-10000	4500	9391
13	Ministerial Staff - -	OTHERS-ADMIN	Mrs. Dhanalakshmi R	Others-Asst	Bachelor	11-02-2015	12.00	04-06-1982	34	5200-20200	12000	26625
14	Ministerial Staff - -	OTHERS-Admin	Mr. Arul Jothi S	Others-Block Incharge	Others-SSLC	01-02-2010	22.00	27-03-1962	54	5200-20200	4500	10269
15	Ministerial Staff - -	OTHERS-Exam Cell	Mr. Senthil kumar r	Others-exam cell	Bachelor	01-12-2016	6.00	12-05-1991	29	6000-15000	8500	10000
16	Ministerial Staff - -	OTHERS-ADMIN	Mr. Natarajan MS	Others-Hostel Warden	Others-sslc	16-08-2010	28.40	27-08-1949	6	5200-20200	8500	16638
17	Ministerial Staff - -	OTHERS-ADMIN	Mr. Shanmuganathan V	Others-Attender	Others-Hsc	20-07-2011	10.00	09-04-1969	47	Consolidated	4000	6375
18	Ministerial Staff - -	OTHERS-ADMIN	Mrs. Shenbagam S	Others-Attender	Others-Hsc	06-09-2011	0.00	12-06-1988	28	4800-10000	3500	6974
19	Ministerial Staff - -	OTHERS-ADMIN	Mrs. Julie Francis J	Others-Junior Asst	Bachelor	20-09-2012	5.00	01-08-1976	40	5200-20200	4500	9780
20	Ministerial Staff - -	OTHERS-ADMIN	Mrs. Amsavathi Jayakumari j	Others-Junior Asst	Bachelor	01-03-2014	10.00	23-05-1973	43	5200-20200	4500	8226
21	Ministerial Staff - -	OTHERS-ADMIN	Mr. Venkatesan S	Others-Junior Asst	Masters	01-04-2014	10.00	12-06-1990	26	5200-20200	2500	8520
22	Ministerial Staff - -	OTHERS-Admin	Mr. Mohan Kumar R	Others-PRO	Diploma	01-03-2000	0.00	31-05-1971	45	15600-39100	16500	46450
23	Ministerial Staff - -	OTHERS-adMIN	Mr. Rajkumar n	Others-ao	Bachelor	07-11-2013	32.00	10-01-1955	3	15600-39100	8500	22000
24	Ministerial Staff - -	OTHERS-Admin	Mr. Boopathy G	Others-Supervisor	Others-hsc	03-10-2001	0.00	25-11-1982	34	5200-20200	8600	18131
25	Ministerial Staff - -	OTHERS-ADMIN	Mr. Muraili A	Others-Office Asst	Others-viii	25-06-2008	1.00	04-05-1982	34	4800-10000	4500	7419
26	Ministerial Staff - -	OTHERS-Admin	Mr. Vivekanadan G	Others-AAO	Bachelor	20-04-2007	27.00	17-07-1962	54	15600-39100	12000	20280
27	Ministerial Staff - -	OTHERS-ADMIN	Mr. Palani V	Others-Store iincharge	Others-ix	09-11-2006	7.00	16-08-1973	43	5200-20200	6500	13386
28	Ministerial Staff - -	OTHERS-Admin	Mr. Saravanan KN	Others-Supervisor	Bachelor	18-02-2001	0.00	06-04-1973	43	5200-20200	8500	16840
29	Ministerial Staff - -	OTHERS-Admin	Mrs. Thilagavathy B	Others-PA	Masters	26-03-2003	0.00	05-07-1959	57	5200-20200	9500	18400
30	Ministerial Staff - -	OTHERS-Admin	Mrs. Kokila M	Others-Asst	Others-hsc	12-09-2007	9.20	13-10-1968	48	5200-20200	7400	12912
31	Others - admin	OTHERS-accounts	Mr. balaji nr	Others-asst account	Masters	09-05-2022	15.00	13-10-1971	52	15200-39200	15000	15000

32	Others - admin	OTHERS-accountant	Mrs. mini r	Others-accontant	Masters	07-05-2022	17.00	14-09-1980	43	15200-39500	16000	16000
33	Others - admin	OTHERS-admin	Mrs. parameshaari a	Others-asst accountant	Bachelor	10-10-2022	8.00	28-08-1984	39	4200-15200	12000	12000
34	Others - admin	OTHERS-admin	Mr. srihari sl	Others-erp head	Masters	11-02-2017	12.00	19-08-1982	41	15200-32500	20500	20500
35	Others - admin	OTHERS-deputy warden	Mr. tamilselvan s	Others-deputy	Diploma	30-08-2022	15.00	28-04-1983	40	15200-32500	20000	20000
36	Technical Staff - -	ELECTRICAL AND ELECTRONICS ENGINEERING--	Mr. Rajesh kumar d	Lab Assistant	Others-iti	05-09-2006	2.00	13-05-1987	29	5200-20200	6500	12023
37	Technical Staff - -	ELECTRICAL AND ELECTRONICS ENGINEERING--	Mr. saravanan p	Lab Assistant	Others-iti	15-09-2006	5.00	03-08-1983	33	5200-20200	6500	12023
38	Technical Staff - -	ELECTRICAL AND ELECTRONICS ENGINEERING--	Mr. muthuraman d	Lab Assistant	Others-eighth	30-06-2009	1.00	01-06-1975	41	5201-20200	4500	12485
39	Technical Staff - -	ELECTRICAL AND ELECTRONICS ENGINEERING--	Mr. manivannan s	Lab Assistant	Diploma	11-02-2015	1.00	20-07-1991	25	5202-20200	4500	12000
40	Technical Staff - -	ELECTRICAL AND ELECTRONICS ENGINEERING--	Mr. velmurugan t	Lab Assistant	Diploma	08-07-2015	0.00	20-04-1994	22	5203-20200	4500	7600
41	Technical Staff - -	SCIENCE AND HUMANITIES--	Mr. Sivaraman M	Lab Assistant	Bachelor	27-07-2006	9.00	05-04-1985	31	5200-20200	5450	10856
42	Technical Staff - -	SCIENCE AND HUMANITIES--	Mr. Nagappan MN	Lab Assistant	Others-iti	12-07-2003	25.00	18-02-1948	13	5200-20200	6500	13821
43	Technical Staff - -	SCIENCE AND HUMANITIES--	Mr. Sakthi R	Others-Sysadmin	Bachelor	01-08-2014	0.00	21-05-1990	26	5200-20200	6700	9504
44	Technical Staff - -	SCIENCE AND HUMANITIES--	Mr. Issac I	Lab Instructor	Others-SSLC	11-08-2014	40.00	24-05-1951	2	5200-20200	4500	10000
45	Technical Staff - -	SCIENCE AND HUMANITIES--	Mr. Sekar A	Lab Assistant	Others-sslc	05-01-2010	12.00	10-04-1975	41	5200-20200	5600	10620
46	Technical Staff - -	SCIENCE AND HUMANITIES--	Mr. Prasanth KS	Lab Assistant	Diploma	30-09-2011	0.00	05-06-1989	27	5200-20200	4500	8654
47	Technical Staff - -	ELECTRONICS AND COMMUNICATION ENGINEERING--	Mr. Karthikeyan G	Lab Assistant	Diploma	30-01-2014	0.00	22-05-1989	27	5200-20200	700	10600
48	Technical Staff - -	ELECTRONICS AND COMMUNICATION ENGINEERING--	Mr. Ravidran M	Lab Assistant	Diploma	16-06-2014	3.00	02-06-1985	31	5200-20200	4500	10500
49	Technical Staff - -	ELECTRONICS AND COMMUNICATION ENGINEERING--	Mr. Pushpanantham M	Lab Assistant	Diploma	17-08-2015	1.00	02-06-1996	1	5200-20200	4500	6600
50	Technical Staff - -	COMPUTER SCIENCE AND ENGINEEERING--	Mr. Selladurai M	Others-Sys Admin	Masters	15-07-2013	0.00	19-05-1988	28	5200-20200	7400	10103
51	Technical Staff - -	COMPUTER SCIENCE AND ENGINEEERING--	Mrs. Muthumari L	Lab Instructor	Bachelor	10-08-2015	0.00	12-09-1990	26	5200-20200	4500	12000
52	Technical Staff - -	ELECTRONICS AND COMMUNICATION ENGINEERING--	Mrs. Bhuvaneswari J	Lab Assistant	Others-ITI	13-03-2013	0.00	10-02-1985	31	5200-20200	4500	9294
53	Technical Staff - -	CIVIL ENGINEERING--	Mr. Jagan David R	Lab Instructor	Others-iti	03-09-2013	9.00	21-07-1979	37	5200-20200	4500	12445
54	Technical Staff - -	COMPUTER SCIENCE AND ENGINEEERING--	Mr. Sabari Padmanabhan B	Others-Sys Admin	Diploma	15-11-2008	4.00	04-08-1985	31	5200-20200	10000	24100
55	Technical Staff - -	COMPUTER SCIENCE AND ENGINEEERING--	Mr. Arun K	Others-Sys Admin	Diploma	15-11-2008	4.00	08-07-1982	34	5200-20200	10000	24100
56	Technical Staff - -	COMPUTER SCIENCE AND ENGINEEERING--	Mr. Krishan D	Others-Sys Admin	Others-Sys Admin	29-10-2012	2.20	04-05-1984	32	5200-20200	7500	10313
57	Technical Staff - -	MECHANICAL ENGINEERING--	Mr. Krishnamoorthy V	Lab Assistant	Diploma	01-08-2012	15.00	17-06-1973	43	5200-20200	6500	13535
58	Technical Staff - -	MECHANICAL ENGINEERING--	Mr. Kumaresh VR	Lab Instructor	Diploma	27-04-2012	25.00	11-07-1970	46	5200-20200	5500	16048
59	Technical Staff - -	MECHANICAL ENGINEERING--	Mr. Murugan R	Lab Assistant	Others-iti	13-03-2013	5.00	10-06-1984	32	5200-20200	4500	12607
60	Technical Staff - -	MECHANICAL ENGINEERING--	Mr. Elumalai R	Lab Assistant	Diploma	01-06-2013	3.00	02-06-1990	26	5200-20200	4500	11892
61	Technical Staff - -	MECHANICAL ENGINEERING--	Mr. Pandurangan A	Lab Assistant	Others-ITI	21-06-2013	7.00	29-05-1985	31	5200-20200	4500	11892
62	Technical Staff - -	MECHANICAL ENGINEERING--	Mr. Sathiyamoorthy PJ	Lab Assistant	Diploma	23-09-2014	1.00	02-04-1992	24	5200-20200	4500	10000
63	Technical Staff - -	INFORMATION TECHNOLOGY--	Mr. arjeeth kumar js	Others-cctv	Bachelor	01-10-2019	0.00	27-07-1990	30	5200-20200	11828	12000

64	Technical Staff - -	ELECTRICAL AND ELECTRONICS ENGINEERING--	Mr. selvarajan a	Others-electrician	Others-sslc	01-07-2008	10.00	01-04-1980	36	5200-20200	6500	13575
65	Technical Staff - -	COMPUTER SCIENCE AND ENGINEEERING--	Mr. ramkumar k	Lab Assistant	Diploma	25-03-2022	4.00	12-06-1991	32	5200-20200	10000	10000
66	Technical Staff - -	COMPUTER SCIENCE AND ENGINEEERING--	Mr. vinoth a	Lab Assistant	Bachelor	03-12-2022	5.00	01-07-1987	36	5200-20200	10000	10000
67	Technical Staff - -	ELECTRICAL AND ELECTRONICS ENGINEERING--	Mr. Vijayaraghavan N	Lab Assistant	Diploma	25-08-2003	5.00	13-01-1973	43	5200-20200	10000	22099

16(i). Space Requirement

SL.No	Degree & Course	Laboratory/Workshop/Studio	Name of the Laboratory	Area of the Laboratory required(sq.m.)	Area of the Laboratory available(sq.m.)	Deficiency %
1	B.E.-Mechanical Engineering	Engg. & Tech. Laboratory	CE3481 STRENGTH OF MATERIALS AND FLUID MACHINERY LABORATORY	66	100	0
2	B.E.-Mechanical Engineering	Engg. & Tech. Laboratory	ME3611 HEAT TRANSFER LABORATORY	66	100	0
3	B.E.-Mechanical Engineering	Engg. & Tech. Laboratory	ME3581 METROLOGY AND DYNAMICS LABORATORY	66	101	0
4	B.E.-Mechanical Engineering	Engg. & Tech. Laboratory	BE3271 BASIC ELECTRICAL AND ELECTRONICS ENGINEERING LABORATORY	66	101	0
5	B.E.-Mechanical Engineering	Engg. & Tech. Laboratory	ME3681 CAD/CAM LABORATORY	66	100	0
6	B.E.-Mechanical Engineering	Engg. & Tech. Laboratory	ME3382 MANUFACTURING TECHNOLOGY LABORATORY	66	100	0
7	B.E.-Mechanical Engineering	Engg. & Tech. Laboratory	ME3381 COMPUTER AIDED MACHINE DRAWING	66	100	0
8	B.E.-Mechanical Engineering	Engg. & Tech. Laboratory	ME3461 THERMAL ENGINEERING LABORATORY	66	100	0
9	B.E.-Computer Science and Engineering	Engg. & Tech. Laboratory	CS3481 DATABASE MANAGEMENT SYSTEMS LABORATORY	66	66	0
10	B.E.-Computer Science and Engineering	Engg. & Tech. Laboratory	CS3361 Data Science Laboratory	66	66	0
11	B.E.-Computer Science and Engineering	Engg. & Tech. Laboratory	CS3461 Operating Systems Laboratory	66	66	0
12	B.E.-Computer Science and Engineering	Engg. & Tech. Laboratory	CS3311 Data Structures Laboratory	66	66	0
13	B.E.-Computer Science and Engineering	Engg. & Tech. Laboratory	CS3271 PROGRAMMING IN C LABORATORY	66	66	0
14	B.E.-Electronics and Communication Engineering	Engg. & Tech. Laboratory	EC3462 Linear Integrated Circuits Laboratory	66	66	0
15	B.E.-Electronics and Communication Engineering	Engg. & Tech. Laboratory	EC3561 VLSI Laboratory	66	66	0
16	B.E.-Electronics and Communication Engineering	Engg. & Tech. Laboratory	EC3461 Communication Systems Laboratory	66	66	0

17	B.E.-Electronics and Communication Engineering	Engg. & Tech. Laboratory	EC3271 CIRCUIT ANALYSIS LABORATORY	66	66	0
18	B.E.-Electronics and Communication Engineering	Engg. & Tech. Laboratory	EC3361 Electronic Devices and Circuits Laboratory	66	66	0
19	B.E.-Electronics and Communication Engineering	Engg. & Tech. Laboratory	CS3362 C Programming and Data Structures Laboratory	66	66	0
20	B.E.-Electrical and Electronics Engineering	Engg. & Tech. Laboratory	EE3271 ELECTRIC CIRCUITS LABORATORY	66	66	0
21	B.E.-Electrical and Electronics Engineering	Engg. & Tech. Laboratory	EE3511 POWER ELECTRONICS LABORATORY	66	66	0
22	B.E.-Electrical and Electronics Engineering	Engg. & Tech. Laboratory	EE3413 MICROPROCESSOR AND MICROCONTROLLER	66	66	0
23	B.E.-Electrical and Electronics Engineering	Engg. & Tech. Laboratory	EC3311 ELECTRONIC DEVICES AND CIRCUITS LABORATORY	66	66	0
24	B.E.-Electrical and Electronics Engineering	Engg. & Tech. Laboratory	EE3311 ELECTRICAL MACHINES LABORATORY - I	66	101	0
25	B.E.-Electrical and Electronics Engineering	Engg. & Tech. Laboratory	EE3611 POWER SYSTEM LABORATORY	66	66	0
26	B.E.-Electrical and Electronics Engineering	Engg. & Tech. Laboratory	EE3412 LINEAR AND DIGITAL CIRCUITS LABORATORY	66	66	0
27	B.E.-Electrical and Electronics Engineering	Engg. & Tech. Laboratory	EE3512 CONTROL AND INSTRUMENTATION LABORATORY	66	66	0
28	B.E.-Electrical and Electronics Engineering	Engg. & Tech. Laboratory	EE3411 ELECTRICAL MACHINES LABORATORY – II	66	101	0
29	B.E.-Electrical and Electronics Engineering	Engg. & Tech. Laboratory	CS3362 C PROGRAMMING AND DATA STRUCTURES LABORATORY	66	66	0
30	B.E.-Computer Science and Engineering (Cyber Security)	Engg. & Tech. Laboratory	CB3411 Cryptography and Cyber Security Laboratory	66	66	0
31	B.E.-Computer Science and Engineering (Cyber Security)	Engg. & Tech. Laboratory	CB3412 Database Management Systems and Security Laboratory	66	66	0
32	B.E.-Computer Science and Engineering (Cyber Security)	Engg. & Tech. Laboratory	CD3281 Data Structures and Algorithms Laboratory	66	66	0
33	B.E.-Computer Science and Engineering (Cyber Security)	Engg. & Tech. Laboratory	CS3361 Data Science Laboratory	66	66	0

34	B.E.- General Engineering	Engg. & Tech. Laboratory	BS3171 PHYSICS & CHEMISTRY LABORATORY	66	66	0
35	B.E.- General Engineering	Engg. & Tech. Workshop	GE3271 ENGINEERING PRACTICES LABORATORY	200	337	0
36	B.E.- General Engineering	Engg. & Tech. Laboratory	GE3171 PROBLEM SOLVING AND PYTHON PROGRAMMING LABORATORY	66	66	0
37	B.Tech.-Artificial Intelligence and Data Science	Engg. & Tech. Laboratory	AD3271 DATA STRUCTURES DESIGN LABORATORY	66	66	0
38	B.Tech.-Artificial Intelligence and Data Science	Engg. & Tech. Laboratory	AD3411 Data Science and Analytics Laboratory	66	66	0
39	B.Tech.-Artificial Intelligence and Data Science	Engg. & Tech. Laboratory	AD3511 DEEP LEARNING LABORATORY	66	66	0
40	B.Tech.-Artificial Intelligence and Data Science	Engg. & Tech. Laboratory	AL3461 MACHINE LEARNING LABORATORY	66	66	0
41	B.Tech.-Artificial Intelligence and Data Science	Engg. & Tech. Laboratory	AD3381 Database Design and Management Laboratory	66	66	0
42	B.Tech.-Artificial Intelligence and Data Science	Engg. & Tech. Laboratory	AD3311 Artificial Intelligence Laboratory	66	66	0
43	M.E.-Embedded System Technologies	Engg. & Tech. Laboratory	ET4212 EMBEDDED PROGRAMMING LABORATORY - II	66	66	0
44	M.E.-Embedded System Technologies	Engg. & Tech. Laboratory	ET4211 EMBEDDED SYSTEM LABORATORY II	66	66	0
45	M.E.-Embedded System Technologies	Engg. & Tech. Laboratory	ET4111 Embedded System Laboratory I	66	66	0
46	M.E.-Embedded System Technologies	Engg. & Tech. Laboratory	ET4112 Embedded Programming Laboratory I	66	66	0
47	M.E.-Computer Science and Engineering	Engg. & Tech. Laboratory	CP4212 Software Engineering Laboratory	66	66	0
48	M.E.-Computer Science and Engineering	Engg. & Tech. Laboratory	CP4161 ADVANCED DATA STRUCTURES AND ALGORITHMS LABORATORY	66	66	0
49	M.E.-CAD/CAM	Engg. & Tech. Laboratory	CD4161 COMPUTER AIDED DESIGN LABORATORY	66	100	0
50	M.E.-CAD/CAM	Engg. & Tech. Laboratory	CC4211 RAPID PROTOTYPING LABORATORY	66	100	0
51	M.E.-CAD/CAM	Engg. & Tech. Laboratory	CM4161 COMPUTER AIDED MANUFACTURING LABORATORY	66	101	0

16(ii). Equipments

SL.No	Degree	Course	Semester	Regulation	Name of the Laboratory subject	Name of the Equipments / Software	Required	Available	Deficiency %
1	B.E.	General Engineering	1	2021	GE3171 PROBLEM SOLVING AND PYTHON PROGRAMMING LABORATORY	Server with Python (3 interpreter for Windows/Linux)	1	1	0
2	B.E.	General Engineering	1	2021	GE3171 PROBLEM SOLVING AND PYTHON PROGRAMMING LABORATORY	Stand alone desktops (Windows/Linux) with Python 3 interpreter	30	30	0
3	B.E.	General Engineering	2	2021	GE3271 ENGINEERING PRACTICES LABORATORY	Wood Cutting Machine	2	2	0
4	B.E.	General Engineering	2	2021	GE3271 ENGINEERING PRACTICES LABORATORY	Wige gauges	2	2	0
5	B.E.	General Engineering	2	2021	GE3271 ENGINEERING PRACTICES LABORATORY	Used LED TV	2	2	0
6	B.E.	General Engineering	2	2021	GE3271 ENGINEERING PRACTICES LABORATORY	Used Laptop	2	2	0
7	B.E.	General Engineering	2	2021	GE3271 ENGINEERING PRACTICES LABORATORY	Used desktop computer	2	2	0
8	B.E.	General Engineering	2	2021	GE3271 ENGINEERING PRACTICES LABORATORY	Trowel	5	5	0
9	B.E.	General Engineering	2	2021	GE3271 ENGINEERING PRACTICES LABORATORY	Tri Square	15	15	0
10	B.E.	General Engineering	2	2021	GE3271 ENGINEERING PRACTICES LABORATORY	Transistors	200	250	0
11	B.E.	General Engineering	2	2021	GE3271 ENGINEERING PRACTICES LABORATORY	Trammel	5	5	0
12	B.E.	General Engineering	2	2021	GE3271 ENGINEERING PRACTICES LABORATORY	Three phase house wiring setup	2	2	0
13	B.E.	General Engineering	2	2021	GE3271 ENGINEERING PRACTICES LABORATORY	Swage block	3	3	0
14	B.E.	General Engineering	2	2021	GE3271 ENGINEERING PRACTICES LABORATORY	Straight snips	5	5	0
15	B.E.	General Engineering	2	2021	GE3271 ENGINEERING PRACTICES LABORATORY	Steel rule	2	2	0
16	B.E.	General Engineering	2	2021	GE3271 ENGINEERING PRACTICES LABORATORY	Staircase wiring setup	2	2	0
17	B.E.	General Engineering	2	2021	GE3271 ENGINEERING PRACTICES LABORATORY	Square free hammer	5	5	0
18	B.E.	General Engineering	2	2021	GE3271 ENGINEERING PRACTICES LABORATORY	Sprue	5	5	0

19	B.E.	General Engineering	2	2021	GE3271 ENGINEERING PRACTICES LABORATORY	Split pattern	5	5	0
20	B.E.	General Engineering	2	2021	GE3271 ENGINEERING PRACTICES LABORATORY	Solid pattern	5	5	0
21	B.E.	General Engineering	2	2021	GE3271 ENGINEERING PRACTICES LABORATORY	Soldering Iron, Lead	15	15	0
22	B.E.	General Engineering	2	2021	GE3271 ENGINEERING PRACTICES LABORATORY	Single phase house wiring setup	2	2	0
23	B.E.	General Engineering	2	2021	GE3271 ENGINEERING PRACTICES LABORATORY	Scriber	5	5	0
24	B.E.	General Engineering	2	2021	GE3271 ENGINEERING PRACTICES LABORATORY	Sand reamer	5	5	0
25	B.E.	General Engineering	2	2021	GE3271 ENGINEERING PRACTICES LABORATORY	Runner	5	5	0
26	B.E.	General Engineering	2	2021	GE3271 ENGINEERING PRACTICES LABORATORY	Riverting hammer	5	5	0
27	B.E.	General Engineering	2	2021	GE3271 ENGINEERING PRACTICES LABORATORY	Resistors	200	250	0
28	B.E.	General Engineering	2	2021	GE3271 ENGINEERING PRACTICES LABORATORY	Raising hammer	5	5	0
29	B.E.	General Engineering	2	2021	GE3271 ENGINEERING PRACTICES LABORATORY	Prick Punches	5	5	0
30	B.E.	General Engineering	2	2021	GE3271 ENGINEERING PRACTICES LABORATORY	Pliers	5	5	0
31	B.E.	General Engineering	2	2021	GE3271 ENGINEERING PRACTICES LABORATORY	Pipe Vice	15	15	0
32	B.E.	General Engineering	2	2021	GE3271 ENGINEERING PRACTICES LABORATORY	Pattern	5	5	0
33	B.E.	General Engineering	2	2021	GE3271 ENGINEERING PRACTICES LABORATORY	Multi meter	15	15	0
34	B.E.	General Engineering	2	2021	GE3271 ENGINEERING PRACTICES LABORATORY	Motrin Chisel	15	15	0
35	B.E.	General Engineering	2	2021	GE3271 ENGINEERING PRACTICES LABORATORY	Mallet	15	15	0
36	B.E.	General Engineering	2	2021	GE3271 ENGINEERING PRACTICES LABORATORY	Lathe Machines	5	5	0
37	B.E.	General Engineering	2	2021	GE3271 ENGINEERING PRACTICES LABORATORY	Iron Jack	15	15	0

38	B.E.	General Engineering	2	2021	GE3271 ENGINEERING PRACTICES LABORATORY	Iron box wiring setup	2	2	0
39	B.E.	General Engineering	2	2021	GE3271 ENGINEERING PRACTICES LABORATORY	Household mixer	2	2	0
40	B.E.	General Engineering	2	2021	GE3271 ENGINEERING PRACTICES LABORATORY	Hand Saw	15	15	0
41	B.E.	General Engineering	2	2021	GE3271 ENGINEERING PRACTICES LABORATORY	Gas welding unit	2	2	0
42	B.E.	General Engineering	2	2021	GE3271 ENGINEERING PRACTICES LABORATORY	Fluorescent lamp wiring setup	2	2	0
43	B.E.	General Engineering	2	2021	GE3271 ENGINEERING PRACTICES LABORATORY	Firmer Chisel	15	15	0
44	B.E.	General Engineering	2	2021	GE3271 ENGINEERING PRACTICES LABORATORY	Emergency lamp wiring setup	2	2	0
45	B.E.	General Engineering	2	2021	GE3271 ENGINEERING PRACTICES LABORATORY	Emergency lamp wiring setup	2	2	0
46	B.E.	General Engineering	2	2021	GE3271 ENGINEERING PRACTICES LABORATORY	Drilling Machines	5	5	0
47	B.E.	General Engineering	2	2021	GE3271 ENGINEERING PRACTICES LABORATORY	Divider	5	5	0
48	B.E.	General Engineering	2	2021	GE3271 ENGINEERING PRACTICES LABORATORY	Diodes	200	250	0
49	B.E.	General Engineering	2	2021	GE3271 ENGINEERING PRACTICES LABORATORY	Die Holder with Die set	15	15	0
50	B.E.	General Engineering	2	2021	GE3271 ENGINEERING PRACTICES LABORATORY	DC Multi-output power supply (0-5V),(0-30V)(+15V,-15V)	2	2	0
51	B.E.	General Engineering	2	2021	GE3271 ENGINEERING PRACTICES LABORATORY	Cope and Drag Box	5	5	0
52	B.E.	General Engineering	2	2021	GE3271 ENGINEERING PRACTICES LABORATORY	Continuity tester	15	15	0
53	B.E.	General Engineering	2	2021	GE3271 ENGINEERING PRACTICES LABORATORY	Centrifugal pump	2	2	0
54	B.E.	General Engineering	2	2021	GE3271 ENGINEERING PRACTICES LABORATORY	Centre punches	5	5	0
55	B.E.	General Engineering	2	2021	GE3271 ENGINEERING PRACTICES LABORATORY	Carpentry bench wise	15	15	0
56	B.E.	General Engineering	2	2021	GE3271 ENGINEERING PRACTICES LABORATORY	Capacitors	200	250	0

57	B.E.	General Engineering	2	2021	GE3271 ENGINEERING PRACTICES LABORATORY	Bend snips	5	5	0
58	B.E.	General Engineering	2	2021	GE3271 ENGINEERING PRACTICES LABORATORY	Bench hold fastens	15	15	0
59	B.E.	General Engineering	2	2021	GE3271 ENGINEERING PRACTICES LABORATORY	Ball pean hammer	5	5	0
60	B.E.	General Engineering	2	2021	GE3271 ENGINEERING PRACTICES LABORATORY	Arc welding unit	5	5	0
61	B.E.	General Engineering	2	2021	GE3271 ENGINEERING PRACTICES LABORATORY	Anvil	3	3	0
62	B.E.	General Engineering	2	2021	GE3271 ENGINEERING PRACTICES LABORATORY	Air-conditioner unit	2	2	0
63	B.E.	General Engineering	2	2021	GE3271 ENGINEERING PRACTICES LABORATORY	Riser	5	5	0
64	B.E.	General Engineering	2	2021	GE3271 ENGINEERING PRACTICES LABORATORY	Wooden Bench Hook	15	15	0
65	B.E.	General Engineering	1	2021	BS3171 PHYSICS & CHEMISTRY LABORATORY	Muffle furnace	1	1	0
66	B.E.	General Engineering	1	2021	BS3171 PHYSICS & CHEMISTRY LABORATORY	Uniform bending: 1 meter wooden scale, two-knife edges, travelling microscope, two weight hanger with slotted weights, screw gauge, Vernier calliper, pin	5	5	0
67	B.E.	General Engineering	1	2021	BS3171 PHYSICS & CHEMISTRY LABORATORY	Ultrasonic interferometer apparatus with high frequency wave generator, cell, micrometer, PZ crystal, water or other liquids	5	5	0
68	B.E.	General Engineering	1	2021	BS3171 PHYSICS & CHEMISTRY LABORATORY	Torsional Pendulum, stop clock, suspension metallic wire: two different thickness, two identical cylindrical mass, screw gauge, wooden scale	5	5	0
69	B.E.	General Engineering	1	2021	BS3171 PHYSICS & CHEMISTRY LABORATORY	Simple harmonic oscillations of cantilever: 1 meter wooden scale, G-clamp, weight hanger with slotted weights, Vernier calliper, Screw gauge, stop clock	5	5	0
70	B.E.	General Engineering	1	2021	BS3171 PHYSICS & CHEMISTRY LABORATORY	Potentiometer	15	15	0
71	B.E.	General Engineering	1	2021	BS3171 PHYSICS & CHEMISTRY LABORATORY	Post office box, 5V power supply, thermometer, galvanometer, semiconductor (thermistor), variable temperature bath set-up (oil, temperature controller, vessel, hot plate.	5	5	0
72	B.E.	General Engineering	1	2021	BS3171 PHYSICS & CHEMISTRY LABORATORY	Photoelectric effect apparatus with necessary accessories, tungsten-halogen lamp, Cesium-type vacuum photodiode.	5	5	0
73	B.E.	General Engineering	1	2021	BS3171 PHYSICS & CHEMISTRY LABORATORY	PH meter	15	15	0
74	B.E.	General Engineering	1	2021	BS3171 PHYSICS & CHEMISTRY LABORATORY	Non-uniform bending: 1 meter wooden scale, two-knife edges, travelling microscope, weight hanger with slotted weights, screw gauge, Vernier calliper, pin	5	5	0
75	B.E.	General Engineering	1	2021	BS3171 PHYSICS & CHEMISTRY LABORATORY	Michelson interferometer set-up, sodium vapour lamp and accessories	5	5	0

76	B.E.	General Engineering	1	2021	BS3171 PHYSICS & CHEMISTRY LABORATORY	Melde's string apparatus, thread and weight pan, weight hanger and slotted weights.	5	5	0
77	B.E.	General Engineering	1	2021	BS3171 PHYSICS & CHEMISTRY LABORATORY	Magnetic stirrer	2	2	0
78	B.E.	General Engineering	1	2021	BS3171 PHYSICS & CHEMISTRY LABORATORY	Lattice dynamics kit with built-in audio oscillator and electrical transmission line(for mono and di-atomic lattices), general purpose CRO having XY mode.	5	5	0
79	B.E.	General Engineering	1	2021	BS3171 PHYSICS & CHEMISTRY LABORATORY	Hotplate with temperature controller	5	5	0
80	B.E.	General Engineering	1	2021	BS3171 PHYSICS & CHEMISTRY LABORATORY	Hot Air Oven	1	1	0
81	B.E.	General Engineering	1	2021	BS3171 PHYSICS & CHEMISTRY LABORATORY	He-Ne laser, CCl4 liquid or Benzene liquid, Glass cell with sample liquid (kerosene/Toluene/Turpentine/Benzene or CCl4 liquid), RF oscillator fitted with a frequency meter, Piezoelectric crystal, Electrodes (crystal holder), Screen, iron stand (two numbers), 1m wooden scale, thread.	5	5	0
82	B.E.	General Engineering	1	2021	BS3171 PHYSICS & CHEMISTRY LABORATORY	He-Ne/Diode laser (red), Green diode laser, Grating, Screen, Iron stand (3 Nos), 1m wooden scale, thread.	5	5	0
83	B.E.	General Engineering	1	2021	BS3171 PHYSICS & CHEMISTRY LABORATORY	Flame photometer	4	4	0
84	B.E.	General Engineering	1	2021	BS3171 PHYSICS & CHEMISTRY LABORATORY	Electronic Balance (Four digit)	1	1	0
85	B.E.	General Engineering	1	2021	BS3171 PHYSICS & CHEMISTRY LABORATORY	Diode laser (green or red), iron stand, compact disc, 1m-wooden scale, screen, stand	5	5	0
86	B.E.	General Engineering	1	2021	BS3171 PHYSICS & CHEMISTRY LABORATORY	Diode laser (green or red), fiber optic cable, movable arrangement with a screen for measuring spot size (zig), meter scale, stand	5	5	0
87	B.E.	General Engineering	1	2021	BS3171 PHYSICS & CHEMISTRY LABORATORY	Conductivity meter	15	15	0
88	B.E.	General Engineering	1	2021	BS3171 PHYSICS & CHEMISTRY LABORATORY	45 inclined glass plate set-up, two optically plane glass plates, sodium vapour lamp, travelling microscope, thin wire/thin strip of paper	5	5	0
89	B.E.	Computer Science and Engineering	2	2021	CS3271 PROGRAMMING IN C LABORATORY	Systems with Linux Operating System with GNU compiler	30	30	0
90	B.E.	Mechanical Engineering	3	2021	ME3381 COMPUTER AIDED MACHINE DRAWING	Intel Octa core i9 processor (6 GHz, 16 GB Ram, 600 s8D HD- 50)	30	0	100
91	B.E.	Mechanical Engineering	3	2021	ME3381 COMPUTER AIDED MACHINE DRAWING	Windows 11, Creo 9.0, Solid Works 2023, Autodesk Inventor 2023.1.1, Auto CAD 2023 (50 S7D Acad License)	30	0	100
92	B.E.	Mechanical Engineering	3	2021	ME3382 MANUFACTURING TECHNOLOGY LABORATORY	Shaper	1	2	0
93	B.E.	Mechanical Engineering	3	2021	ME3382 MANUFACTURING TECHNOLOGY LABORATORY	Radial Drilling Machine	1	1	0
94	B.E.	Mechanical Engineering	3	2021	ME3382 MANUFACTURING TECHNOLOGY LABORATORY	Oxygen and Acetylene gas cylinders, blow pipe and other welding outfit	1	1	0
95	B.E.	Mechanical Engineering	3	2021	ME3382 MANUFACTURING TECHNOLOGY LABORATORY	Moulding table, Moulding equipments	2	2	0
96	B.E.	Mechanical Engineering	3	2021	ME3382 MANUFACTURING TECHNOLOGY LABORATORY	Milling Tool Dynamometer	1	1	0

97	B.E.	Mechanical Engineering	3	2021	ME3382 MANUFACTURING TECHNOLOGY LABORATORY	Lathe Tool Dynamometer	1	1	0
98	B.E.	Mechanical Engineering	3	2021	ME3382 MANUFACTURING TECHNOLOGY LABORATORY	Horizontal Milling Machine	1	1	0
99	B.E.	Mechanical Engineering	3	2021	ME3382 MANUFACTURING TECHNOLOGY LABORATORY	Gear Shaping Machine	1	1	0
100	B.E.	Mechanical Engineering	3	2021	ME3382 MANUFACTURING TECHNOLOGY LABORATORY	Gear Hobbing Machine	1	1	0
101	B.E.	Mechanical Engineering	3	2021	ME3382 MANUFACTURING TECHNOLOGY LABORATORY	Cylindrical Grinding Machine	1	1	0
102	B.E.	Mechanical Engineering	3	2021	ME3382 MANUFACTURING TECHNOLOGY LABORATORY	Centre Lathes	7	15	0
103	B.E.	Mechanical Engineering	3	2021	ME3382 MANUFACTURING TECHNOLOGY LABORATORY	Arc welding transformer with cables and holders	2	2	0
104	B.E.	Mechanical Engineering	3	2021	ME3382 MANUFACTURING TECHNOLOGY LABORATORY	Vertical Milling Machine	1	1	0
105	B.E.	Mechanical Engineering	3	2021	ME3382 MANUFACTURING TECHNOLOGY LABORATORY	Surface Grinding Machine	1	1	0
106	B.E.	Mechanical Engineering	4	2021	CE3481 STRENGTH OF MATERIALS AND FLUID MACHINERY LABORATORY	Metacentric Height apparatus setup	1	1	0
107	B.E.	Mechanical Engineering	4	2021	CE3481 STRENGTH OF MATERIALS AND FLUID MACHINERY LABORATORY	Venturimeter setup	1	1	0
108	B.E.	Mechanical Engineering	4	2021	CE3481 STRENGTH OF MATERIALS AND FLUID MACHINERY LABORATORY	Tachometer	1	1	0
109	B.E.	Mechanical Engineering	4	2021	CE3481 STRENGTH OF MATERIALS AND FLUID MACHINERY LABORATORY	Stop watch	15	15	0
110	B.E.	Mechanical Engineering	4	2021	CE3481 STRENGTH OF MATERIALS AND FLUID MACHINERY LABORATORY	Reciprocation pump set up	1	1	0
111	B.E.	Mechanical Engineering	4	2021	CE3481 STRENGTH OF MATERIALS AND FLUID MACHINERY LABORATORY	Pelton Wheel turbine set up	1	1	0
112	B.E.	Mechanical Engineering	4	2021	CE3481 STRENGTH OF MATERIALS AND FLUID MACHINERY LABORATORY	IM wooden seal	15	0	100
113	B.E.	Mechanical Engineering	4	2021	CE3481 STRENGTH OF MATERIALS AND FLUID MACHINERY LABORATORY	Impact of jet setup	1	1	0
114	B.E.	Mechanical Engineering	4	2021	CE3481 STRENGTH OF MATERIALS AND FLUID MACHINERY LABORATORY	Friction Apparatus setup	1	1	0
115	B.E.	Mechanical Engineering	4	2021	CE3481 STRENGTH OF MATERIALS AND FLUID MACHINERY LABORATORY	Centrifugal pump set up	1	1	0

116	B.E.	Mechanical Engineering	4	2021	ME3461 THERMAL ENGINEERING LABORATORY	4-stroke Diesel Engine with mechanical loading	1	1	0
117	B.E.	Mechanical Engineering	4	2021	ME3461 THERMAL ENGINEERING LABORATORY	Apparatus for Flash and Fire point	1	1	0
118	B.E.	Mechanical Engineering	4	2021	ME3461 THERMAL ENGINEERING LABORATORY	Data Acquisition system with any one of the above engines	1	1	0
119	B.E.	Mechanical Engineering	4	2021	ME3461 THERMAL ENGINEERING LABORATORY	Steam Boiler with turbine setup	1	1	0
120	B.E.	Mechanical Engineering	4	2021	ME3461 THERMAL ENGINEERING LABORATORY	Single Cylinder Petrol Engine	1	1	0
121	B.E.	Mechanical Engineering	4	2021	ME3461 THERMAL ENGINEERING LABORATORY	Multi-Cylinder Petrol Engine	1	1	0
122	B.E.	Mechanical Engineering	4	2021	ME3461 THERMAL ENGINEERING LABORATORY	I.C Engine – 2 stroke and 4 stroke model	1	1	0
123	B.E.	Mechanical Engineering	4	2021	ME3461 THERMAL ENGINEERING LABORATORY	4-stroke Diesel Engine with electrical loading	1	1	0
124	B.E.	Mechanical Engineering	4	2021	ME3461 THERMAL ENGINEERING LABORATORY	4-stroke Diesel Engine with hydraulic loading	1	1	0
125	B.E.	Mechanical Engineering	5	2021	ME3581 METROLOGY AND DYNAMICS LABORATORY	Two rotor vibration setup	1	1	0
126	B.E.	Mechanical Engineering	5	2021	ME3581 METROLOGY AND DYNAMICS LABORATORY	Dynamic balancing machine	1	1	0
127	B.E.	Mechanical Engineering	5	2021	ME3581 METROLOGY AND DYNAMICS LABORATORY	Coordinator Measuring Machine	1	1	0
128	B.E.	Mechanical Engineering	5	2021	ME3581 METROLOGY AND DYNAMICS LABORATORY	Cam follower setup	1	1	0
129	B.E.	Mechanical Engineering	5	2021	ME3581 METROLOGY AND DYNAMICS LABORATORY	Bore Gauge	1	1	0
130	B.E.	Mechanical Engineering	5	2021	ME3581 METROLOGY AND DYNAMICS LABORATORY	Autocollimator	1	1	0
131	B.E.	Mechanical Engineering	5	2021	ME3581 METROLOGY AND DYNAMICS LABORATORY	Vernier Height Gauge	2	2	0
132	B.E.	Mechanical Engineering	5	2021	ME3581 METROLOGY AND DYNAMICS LABORATORY	Vernier Depth Gauge	2	2	0
133	B.E.	Mechanical Engineering	5	2021	ME3581 METROLOGY AND DYNAMICS LABORATORY	Vernier Caliper	5	5	0
134	B.E.	Mechanical Engineering	5	2021	ME3581 METROLOGY AND DYNAMICS LABORATORY	Turn table apparatus	1	1	0
135	B.E.	Mechanical Engineering	5	2021	ME3581 METROLOGY AND DYNAMICS LABORATORY	Transverse vibration setup of a)cantilever	1	1	0
136	B.E.	Mechanical Engineering	5	2021	ME3581 METROLOGY AND DYNAMICS LABORATORY	Torsional Vibration of single rotor system setup	1	1	0

137	B.E.	Mechanical Engineering	5	2021	ME3581 METROLOGY AND DYNAMICS LABORATORY	Telescope Gauge	1	1	0
138	B.E.	Mechanical Engineering	5	2021	ME3581 METROLOGY AND DYNAMICS LABORATORY	Surface finish Measuring Equipment	1	1	0
139	B.E.	Mechanical Engineering	5	2021	ME3581 METROLOGY AND DYNAMICS LABORATORY	Spring mass vibration system	1	1	0
140	B.E.	Mechanical Engineering	5	2021	ME3581 METROLOGY AND DYNAMICS LABORATORY	Slip Gauge Set	1	1	0
141	B.E.	Mechanical Engineering	5	2021	ME3581 METROLOGY AND DYNAMICS LABORATORY	Floating Carriage Micrometer	1	1	0
142	B.E.	Mechanical Engineering	5	2021	ME3581 METROLOGY AND DYNAMICS LABORATORY	Gear Models	1	1	0
143	B.E.	Mechanical Engineering	5	2021	ME3581 METROLOGY AND DYNAMICS LABORATORY	Gear Tooth Vernier	1	1	0
144	B.E.	Mechanical Engineering	5	2021	ME3581 METROLOGY AND DYNAMICS LABORATORY	Govenor apparatus – Watt, Porter, Proell and Hartnell governors	1	1	0
145	B.E.	Mechanical Engineering	5	2021	ME3581 METROLOGY AND DYNAMICS LABORATORY	Kinematic Models to study various mechanisms	1	1	0
146	B.E.	Mechanical Engineering	5	2021	ME3581 METROLOGY AND DYNAMICS LABORATORY	Sine Bar	1	1	0
147	B.E.	Mechanical Engineering	5	2021	ME3581 METROLOGY AND DYNAMICS LABORATORY	Mechanical / Electrical / Pneumatic Comparator	1	1	0
148	B.E.	Mechanical Engineering	5	2021	ME3581 METROLOGY AND DYNAMICS LABORATORY	Micrometer	5	5	0
149	B.E.	Mechanical Engineering	5	2021	ME3581 METROLOGY AND DYNAMICS LABORATORY	Motorised gyroscope	1	1	0
150	B.E.	Mechanical Engineering	5	2021	ME3581 METROLOGY AND DYNAMICS LABORATORY	Profile Projector / Tool Makers Microscope	1	1	0
151	B.E.	Mechanical Engineering	5	2021	ME3581 METROLOGY AND DYNAMICS LABORATORY	Whirling of shaft apparatus	1	1	0
152	B.E.	Mechanical Engineering	6	2021	ME3681 CAD/CAM LABORATORY	Laser Printer	1	1	0
153	B.E.	Mechanical Engineering	6	2021	ME3681 CAD/CAM LABORATORY	Computer Server	1	1	0
154	B.E.	Mechanical Engineering	6	2021	ME3681 CAD/CAM LABORATORY	Computer nodes or systems (High end CPU with atleast 1 GB main memory) networked to the server	30	30	0
155	B.E.	Mechanical Engineering	6	2021	ME3681 CAD/CAM LABORATORY	CNC Milling Machine	1	1	0
156	B.E.	Mechanical Engineering	6	2021	ME3681 CAD/CAM LABORATORY	CNC Lathe	1	1	0
157	B.E.	Mechanical Engineering	6	2021	ME3681 CAD/CAM LABORATORY	CAM Software for machining centre and turning centre (CNC Programming and tool path simulation for FANUC / Sinumeric and Heidenhain controller)	15	15	0

158	B.E.	Mechanical Engineering	6	2021	ME3681 CAD/CAM LABORATORY	Licensed operating system	1	1	0
159	B.E.	Mechanical Engineering	6	2021	ME3681 CAD/CAM LABORATORY	Support for CAPP	1	1	0
160	B.E.	Mechanical Engineering	6	2021	ME3681 CAD/CAM LABORATORY	Any High end integrated modeling and manufacturing CAD / CAM software	15	15	0
161	B.E.	Mechanical Engineering	6	2021	ME3681 CAD/CAM LABORATORY	A3 size plotter	1	1	0
162	B.E.	Mechanical Engineering	6	2021	ME3611 HEAT TRANSFER LABORATORY	Thermal conductivity of insulating powder apparatus	1	1	0
163	B.E.	Mechanical Engineering	6	2021	ME3611 HEAT TRANSFER LABORATORY	Single / two stage reciprocating air compressor	1	1	0
164	B.E.	Mechanical Engineering	6	2021	ME3611 HEAT TRANSFER LABORATORY	Refrigeration test rig	1	1	0
165	B.E.	Mechanical Engineering	6	2021	ME3611 HEAT TRANSFER LABORATORY	Pin-fin apparatus	1	1	0
166	B.E.	Mechanical Engineering	6	2021	ME3611 HEAT TRANSFER LABORATORY	Parallel/counter flow heat exchanger apparatus	1	1	0
167	B.E.	Mechanical Engineering	6	2021	ME3611 HEAT TRANSFER LABORATORY	Natural convection – vertical cylinder apparatus	1	1	0
168	B.E.	Mechanical Engineering	6	2021	ME3611 HEAT TRANSFER LABORATORY	Lagged pipe apparatus	1	1	0
169	B.E.	Mechanical Engineering	6	2021	ME3611 HEAT TRANSFER LABORATORY	Guarded plate apparatus	1	1	0
170	B.E.	Mechanical Engineering	6	2021	ME3611 HEAT TRANSFER LABORATORY	Forced convection inside tube apparatus	1	1	0
171	B.E.	Mechanical Engineering	6	2021	ME3611 HEAT TRANSFER LABORATORY	Emissivity measurement apparatus	1	1	0
172	B.E.	Mechanical Engineering	6	2021	ME3611 HEAT TRANSFER LABORATORY	Composite wall apparatus	1	1	0
173	B.E.	Mechanical Engineering	6	2021	ME3611 HEAT TRANSFER LABORATORY	Air-conditioning test rig	1	1	0
174	B.E.	Mechanical Engineering	6	2021	ME3611 HEAT TRANSFER LABORATORY	Stefan-Boltzmann apparatus	1	1	0
175	B.E.	Mechanical Engineering	7	2021	ME3781 MECHATRONICS AND IOT LABORATORY	Six-Axis Articulated Robot	1	1	0
176	B.E.	Mechanical Engineering	7	2021	ME3781 MECHATRONICS AND IOT LABORATORY	Quadcopter	1	1	0
177	B.E.	Mechanical Engineering	7	2021	ME3781 MECHATRONICS AND IOT LABORATORY	MT Connect , Production Monitoring System	1	1	0
178	B.E.	Mechanical Engineering	7	2021	ME3781 MECHATRONICS AND IOT LABORATORY	Machine Vision Kit	1	1	0
179	B.E.	Mechanical Engineering	7	2021	ME3781 MECHATRONICS AND IOT LABORATORY	IoT based Home Automation kit	1	1	0
180	B.E.	Mechanical Engineering	7	2021	ME3781 MECHATRONICS AND IOT LABORATORY	Image processing system with hardware & software	1	1	0

181	B.E.	Mechanical Engineering	7	2021	ME3781 MECHATRONICS AND IOT LABORATORY	Hydraulic and Pneumatics Systems Simulation Software	10	10	0
182	B.E.	Mechanical Engineering	7	2021	ME3781 MECHATRONICS AND IOT LABORATORY	GPS- and GSM-Based Vehicle Tracking Kit	1	1	0
183	B.E.	Mechanical Engineering	7	2021	ME3781 MECHATRONICS AND IOT LABORATORY	Electric Vehicle	1	1	0
184	B.E.	Mechanical Engineering	7	2021	ME3781 MECHATRONICS AND IOT LABORATORY	Basic Pneumatic Trainer Kit with manual and electrical controls / PLC Control each	1	1	0
185	B.E.	Mechanical Engineering	7	2021	ME3781 MECHATRONICS AND IOT LABORATORY	Basic Hydraulic Trainer Kit	1	1	0
186	B.E.	Mechanical Engineering	7	2021	ME3781 MECHATRONICS AND IOT LABORATORY	8051 – Microcontroller kit with stepper motor and drive circuit sets	2	10	0
187	B.E.	Mechanical Engineering	7	2021	ME3781 MECHATRONICS AND IOT LABORATORY	3D Printer	1	5	0
188	B.E.	Mechanical Engineering	7	2021	ME3781 MECHATRONICS AND IOT LABORATORY	Solar-powered surveillance mobile robot	1	1	0
189	B.E.	Computer Science and Engineering	3	2021	CS3311 Data Structures Laboratory	Dev C++ / Eclipse CDT / Code Blocks / CodeLite / equivalent open source IDE	1	1	0
190	B.E.	Computer Science and Engineering	3	2021	CS3311 Data Structures Laboratory	INTEL based desktop PC with min. 8GB RAM and 500 GB HDD, 17" or higher TFT Monitor, Keyboard and mouse	30	30	0
191	B.E.	Computer Science and Engineering	3	2021	CS3311 Data Structures Laboratory	Windows 10 or higher operating system / Linux Ubuntu 20 or higher	30	30	0
192	B.E.	Computer Science and Engineering	3	2021	CS3361 Data Science Laboratory	Python 3.9 or later, Anaconda Distribution	1	1	0
193	B.E.	Computer Science and Engineering	3	2021	CS3361 Data Science Laboratory	INTEL based desktop PC with min. 8GB RAM and 500 GB HDD, 17" or higher TFT Monitor, Keyboard and mouse	30	30	0
194	B.E.	Computer Science and Engineering	3	2021	CS3361 Data Science Laboratory	Windows 10 or higher operating system / Linux Ubuntu 20 or higher	30	30	0
195	B.E.	Computer Science and Engineering	3	2021	CS3361 Data Science Laboratory	Scipy, statmodels, seaborn, plotly	1	1	0
196	B.E.	Computer Science and Engineering	4	2021	CS3461 Operating Systems Laboratory	Windows 10 or higher operating system / Linux Ubuntu 20 or higher	30	30	0
197	B.E.	Computer Science and Engineering	4	2021	CS3461 Operating Systems Laboratory	DevC++ / Eclipse CDT / Code Blocks / CodeLite / equivalent open source IDE	1	1	0
198	B.E.	Computer Science and Engineering	4	2021	CS3461 Operating Systems Laboratory	INTEL based desktop PC with min. 8GB RAM and 500 GB HDD, 17" or higher TFT Monitor, Keyboard and mouse	30	30	0
199	B.E.	Computer Science and Engineering	4	2021	CS3461 Operating Systems Laboratory	Linux Ubuntu 20 or higher	30	30	0
200	B.E.	Computer Science and Engineering	4	2021	CS3481 DATABASE MANAGEMENT SYSTEMS LABORATORY	Oracle Database 12 or higher, MySQL 5.7 or higher versions, SQL Server 2022(16.x)	1	1	0
201	B.E.	Computer Science and Engineering	4	2021	CS3481 DATABASE MANAGEMENT SYSTEMS LABORATORY	Windows 10 or higher operating system / Linux Ubuntu 20 or higher	30	30	0

202	B.E.	Computer Science and Engineering	4	2021	CS3481 DATABASE MANAGEMENT SYSTEMS LABORATORY	INTEL based desktop PC with min. 8GB RAM and 500 GB HDD, 17" or higher TFT Monitor, Keyboard and mouse	30	30	0
203	B.E.	Electronics and Communication Engineering	2	2021	EC3271 CIRCUIT ANALYSIS LABORATORY	Function Generators (3MHz)	10	10	0
204	B.E.	Electronics and Communication Engineering	2	2021	EC3271 CIRCUIT ANALYSIS LABORATORY	Dual Regulated Power Supplies (0 – 30V)	10	10	0
205	B.E.	Electronics and Communication Engineering	2	2021	EC3271 CIRCUIT ANALYSIS LABORATORY	Decade Resistance Box	10	10	0
206	B.E.	Electronics and Communication Engineering	2	2021	EC3271 CIRCUIT ANALYSIS LABORATORY	CRO (30MHz)	10	10	0
207	B.E.	Electronics and Communication Engineering	2	2021	EC3271 CIRCUIT ANALYSIS LABORATORY	Ammeter(0-30mA)	30	30	0
208	B.E.	Electronics and Communication Engineering	2	2021	EC3271 CIRCUIT ANALYSIS LABORATORY	Resistors, Capacitors, Inductors – sufficient quantities. Bread Boards	15	15	0
209	B.E.	Electronics and Communication Engineering	2	2021	EC3271 CIRCUIT ANALYSIS LABORATORY	Voltmeter(0-30v)	30	30	0
210	B.E.	Electronics and Communication Engineering	3	2021	EC3361 Electronic Devices and Circuits Laboratory	Standalone desktops PC	15	15	0
211	B.E.	Electronics and Communication Engineering	3	2021	EC3361 Electronic Devices and Circuits Laboratory	BC107, BC547, BF195C, BFW10, IN4001, IN4007	25	25	0
212	B.E.	Electronics and Communication Engineering	3	2021	EC3361 Electronic Devices and Circuits Laboratory	Bread Boards	15	15	0
213	B.E.	Electronics and Communication Engineering	3	2021	EC3361 Electronic Devices and Circuits Laboratory	CRO/DSO (30 MHz)	15	15	0
214	B.E.	Electronics and Communication Engineering	3	2021	EC3361 Electronic Devices and Circuits Laboratory	Dual Regulated Power Supplies (0-30 v)	15	15	0
215	B.E.	Electronics and Communication Engineering	3	2021	EC3361 Electronic Devices and Circuits Laboratory	Signal Generators / Function Generators (3 MHz)	15	15	0
216	B.E.	Electronics and Communication Engineering	3	2021	EC3361 Electronic Devices and Circuits Laboratory	SPICE Simulator	15	15	0
217	B.E.	Electronics and Communication Engineering	3	2021	CS3362 C Programming and Data Structures Laboratory	Windows 10 or higher operating system / Linux Ubuntu 20 or higher	30	30	0
218	B.E.	Electronics and Communication Engineering	3	2021	CS3362 C Programming and Data Structures Laboratory	INTEL based desktop PC with min. 8GB RAM and 500 GB HDD, 17" or higher TFT Monitor, Keyboard and mouse	30	30	0
219	B.E.	Electronics and Communication Engineering	3	2021	CS3362 C Programming and Data Structures Laboratory	Standalone desktops PC	15	15	0
220	B.E.	Electronics and Communication Engineering	4	2021	EC3461 Communication Systems Laboratory	Trainer Kits for ASK, FSK and PSK (Each 2)	2	2	0
221	B.E.	Electronics and Communication Engineering	4	2021	EC3461 Communication Systems Laboratory	CRO/DSO (30 MHz)	15	15	0
222	B.E.	Electronics and Communication Engineering	4	2021	EC3461 Communication Systems Laboratory	Signal Generators / Function Generators (3 MHz)	15	15	0
223	B.E.	Electronics and Communication Engineering	4	2021	EC3461 Communication Systems Laboratory	MATLAB or equivalent open source software package for simulation Experiments	15	15	0
224	B.E.	Electronics and Communication Engineering	4	2021	EC3461 Communication Systems Laboratory	Standalone desktops PC	15	15	0

225	B.E.	Electronics and Communication Engineering	4	2021	EC3461 Communication Systems Laboratory	Trainer Kits for AM, FM, Signal Sampling, TDM, PCM, PAM, PPM,PWM, DM and Line Coding Schemes (Each 2)	2	2	0
226	B.E.	Electronics and Communication Engineering	4	2021	EC3462 Linear Integrated Circuits Laboratory	IC741, IC565, AD620 (Each 15)	15	15	0
227	B.E.	Electronics and Communication Engineering	4	2021	EC3462 Linear Integrated Circuits Laboratory	Transistor/MOSFET (BJT-NPN-PNP and NMOS/PMOS)	50	50	0
228	B.E.	Electronics and Communication Engineering	4	2021	EC3462 Linear Integrated Circuits Laboratory	Standalone desktops PC	15	15	0
229	B.E.	Electronics and Communication Engineering	4	2021	EC3462 Linear Integrated Circuits Laboratory	Resistors, Capacitors, Inductors	1	1	0
230	B.E.	Electronics and Communication Engineering	4	2021	EC3462 Linear Integrated Circuits Laboratory	Power Supplies (0 – 30V/3A)(0-30V/3A)(0-5V/3A) (+/-15V)	15	15	0
231	B.E.	Electronics and Communication Engineering	4	2021	EC3462 Linear Integrated Circuits Laboratory	IC Tester	5	5	0
232	B.E.	Electronics and Communication Engineering	4	2021	EC3462 Linear Integrated Circuits Laboratory	Digital Multimeter	15	15	0
233	B.E.	Electronics and Communication Engineering	4	2021	EC3462 Linear Integrated Circuits Laboratory	Digital LCR Meter	2	2	0
234	B.E.	Electronics and Communication Engineering	4	2021	EC3462 Linear Integrated Circuits Laboratory	Bread Boards	15	15	0
235	B.E.	Electronics and Communication Engineering	4	2021	EC3462 Linear Integrated Circuits Laboratory	70MHz DSO and 50 MHz Arbitrary Function Generator/ signal generator	15	15	0
236	B.E.	Electronics and Communication Engineering	5	2021	EC3561 VLSI Laboratory	70MHz DSO and 50 MHz Arbitrary Function Generator/ signal generator	15	15	0
237	B.E.	Electronics and Communication Engineering	5	2021	EC3561 VLSI Laboratory	Xilinx ISE/Altera Quartus/ equivalent EDA Tools (User License)	15	15	0
238	B.E.	Electronics and Communication Engineering	5	2021	EC3561 VLSI Laboratory	Personal Computer	15	15	0
239	B.E.	Electronics and Communication Engineering	5	2021	EC3561 VLSI Laboratory	Xilinx/Altera/equivalent FPGA Boards	15	15	0
240	B.E.	Electronics and Communication Engineering	5	2021	EC3561 VLSI Laboratory	Power Supplies (0 – 30V/3A)(0-30V/3A)(0-5V/3A) (+/-15V)	15	15	0
241	B.E.	Electronics and Communication Engineering	5	2021	EC3561 VLSI Laboratory	Cadence/ Mentor Graphics/Open Source equivalent CAD VLSI design tool	5	5	0
242	B.E.	Electronics and Communication Engineering	5	2021	EC3561 VLSI Laboratory	70MHz DSO and 50 MHz Arbitrary Function Generator/ signal generator	15	15	0
243	B.E.	Computer Science and Engineering (Cyber Security)	3	2021	CS3361 Data Science Laboratory	Windows 10 or higher operating system / Linux Ubuntu 20 or higher	30	30	0
244	B.E.	Computer Science and Engineering (Cyber Security)	3	2021	CS3361 Data Science Laboratory	INTEL based desktop PC with min. 8GB RAM and 500 GB HDD, 17" or higher TFT Monitor, Keyboard and mouse	30	30	0
245	B.E.	Computer Science and Engineering (Cyber Security)	3	2021	CS3361 Data Science Laboratory	Scipy, statmodels, seaborn, plotly	1	1	0
246	B.E.	Computer Science and Engineering (Cyber Security)	3	2021	CS3361 Data Science Laboratory	Python 3.9 or later, Anaconda Distribution	1	1	0

247	B.E.	Computer Science and Engineering (Cyber Security)	3	2021	CD3281 Data Structures and Algorithms Laboratory	Windows 10 or higher operating system / Linux Ubuntu 20 or higher	30	30	0
248	B.E.	Computer Science and Engineering (Cyber Security)	3	2021	CD3281 Data Structures and Algorithms Laboratory	INTEL based desktop PC with min. 8GB RAM and 500 GB HDD, 17" or higher TFT Monitor, Keyboard and mouse	30	30	0
249	B.E.	Computer Science and Engineering (Cyber Security)	3	2021	CD3281 Data Structures and Algorithms Laboratory	Dev C++ / Eclipse CDT / Code Blocks / CodeLite / equivalent open source IDE	1	1	0
250	B.E.	Computer Science and Engineering (Cyber Security)	4	2021	CB3411 Cryptography and Cyber Security Laboratory	INTEL based desktop PC with min. 8GB RAM and 500 GB HDD, 17" or higher TFT Monitor, Keyboard and mouse	30	30	0
251	B.E.	Computer Science and Engineering (Cyber Security)	4	2021	CB3411 Cryptography and Cyber Security Laboratory	DevC++ / NetBeans / Eclipse IDEs / Java or equivalent compiler	1	1	0
252	B.E.	Computer Science and Engineering (Cyber Security)	4	2021	CB3411 Cryptography and Cyber Security Laboratory	Network simulator like NS2/Glomosim/OPNET/ Packet Tracer / Equivalent	1	1	0
253	B.E.	Computer Science and Engineering (Cyber Security)	4	2021	CB3411 Cryptography and Cyber Security Laboratory	Windows 10 or higher operating system / Linux Ubuntu 20 or higher	30	30	0
254	B.E.	Electrical and Electronics Engineering	2	2021	EE3271 ELECTRIC CIRCUITS LABORATORY	Single Phase Wattmeter of suitable rating	5	5	0
255	B.E.	Electrical and Electronics Engineering	2	2021	EE3271 ELECTRIC CIRCUITS LABORATORY	AC/DC -Ammeters of required rating	10	10	0
256	B.E.	Electrical and Electronics Engineering	2	2021	EE3271 ELECTRIC CIRCUITS LABORATORY	AC/DC – Voltmeters of required rating	10	10	0
257	B.E.	Electrical and Electronics Engineering	2	2021	EE3271 ELECTRIC CIRCUITS LABORATORY	Circuit Connection Boards	20	20	0
258	B.E.	Electrical and Electronics Engineering	2	2021	EE3271 ELECTRIC CIRCUITS LABORATORY	Connecting Wires	1	1	0
259	B.E.	Electrical and Electronics Engineering	2	2021	EE3271 ELECTRIC CIRCUITS LABORATORY	Decade Capacitance Box	6	6	0
260	B.E.	Electrical and Electronics Engineering	2	2021	EE3271 ELECTRIC CIRCUITS LABORATORY	Decade Inductance Box	6	6	0
261	B.E.	Electrical and Electronics Engineering	2	2021	EE3271 ELECTRIC CIRCUITS LABORATORY	Decade Resistance Box	6	6	0
262	B.E.	Electrical and Electronics Engineering	2	2021	EE3271 ELECTRIC CIRCUITS LABORATORY	Digital Storage Oscilloscope (20 MHz)	2	2	0
263	B.E.	Electrical and Electronics Engineering	2	2021	EE3271 ELECTRIC CIRCUITS LABORATORY	Function Generator (MHz Range)	5	5	0
264	B.E.	Electrical and Electronics Engineering	2	2021	EE3271 ELECTRIC CIRCUITS LABORATORY	Multimeters	10	10	0
265	B.E.	Electrical and Electronics Engineering	2	2021	EE3271 ELECTRIC CIRCUITS LABORATORY	Necessary Quantities of Resistors, Inductors, Capacitors of various capacities (Quarter Watt to 10 Watt)	1	1	0
266	B.E.	Electrical and Electronics Engineering	2	2021	EE3271 ELECTRIC CIRCUITS LABORATORY	Oscilloscope (20 MHz)	10	10	0
267	B.E.	Electrical and Electronics Engineering	2	2021	EE3271 ELECTRIC CIRCUITS LABORATORY	Printer	1	1	0

268	B.E.	Electrical and Electronics Engineering	2	2021	EE3271 ELECTRIC CIRCUITS LABORATORY	Regulated Power Supply (0-30V)	15	15	0
269	B.E.	Electrical and Electronics Engineering	2	2021	EE3271 ELECTRIC CIRCUITS LABORATORY	Three phase star & delta connected load / Single phase load bank of suitable rating	3	3	0
270	B.E.	Electrical and Electronics Engineering	2	2021	EE3271 ELECTRIC CIRCUITS LABORATORY	10 Nos of PC loaded with Pspice/ Matlab/e-Sim / Scilab/Equivalent Software Package	10	10	0
271	B.E.	Electrical and Electronics Engineering	3	2017	AE3712 AIRCRAFT SYSTEMS LABORATORY	Adjustable Spirit Level	1	1	0
272	B.E.	Electrical and Electronics Engineering	3	2017	AE3712 AIRCRAFT SYSTEMS LABORATORY	Serviceable aircraft with all above systems	10	10	0
273	B.E.	Electrical and Electronics Engineering	3	2017	AE3712 AIRCRAFT SYSTEMS LABORATORY	Hydraulic Jacks (Screw Jack)	10	10	0
274	B.E.	Electrical and Electronics Engineering	3	2017	AE3712 AIRCRAFT SYSTEMS LABORATORY	Levelling Boards	10	10	0
275	B.E.	Electrical and Electronics Engineering	3	2017	AE3712 AIRCRAFT SYSTEMS LABORATORY	Trestle adjustable	10	10	0
276	B.E.	Electrical and Electronics Engineering	3	2017	AE3712 AIRCRAFT SYSTEMS LABORATORY	Spirit Level	10	10	0
277	B.E.	Electrical and Electronics Engineering	3	2017	AE3712 AIRCRAFT SYSTEMS LABORATORY	Plumb Bob	10	10	0
278	B.E.	Electrical and Electronics Engineering	3	2017	AE3712 AIRCRAFT SYSTEMS LABORATORY	Cable Tensiometer	10	10	0
279	B.E.	Electrical and Electronics Engineering	4	2017	AE3781 COMPUTATIONAL ANALYSIS LABORATORY	b) Double rotor system	10	10	0
280	B.E.	Electrical and Electronics Engineering	4	2017	AE3781 COMPUTATIONAL ANALYSIS LABORATORY	Modelling and CFD & FE Analysis packages with Licence	9	9	0
281	B.E.	Electrical and Electronics Engineering	4	2017	AE3781 COMPUTATIONAL ANALYSIS LABORATORY	Cam analysis apparatus	1	1	0
282	B.E.	Electrical and Electronics Engineering	4	2017	AE3781 COMPUTATIONAL ANALYSIS LABORATORY	Arc welding transformer with cables and holders	10	10	0
283	B.E.	Electrical and Electronics Engineering	4	2017	AE3781 COMPUTATIONAL ANALYSIS LABORATORY	Universal Governor apparatus – Watt, Porter, Proell and Hartnell governors	10	10	0
284	B.E.	Electrical and Electronics Engineering	4	2017	AE3781 COMPUTATIONAL ANALYSIS LABORATORY	Vibrating table apparatus setup	10	10	0
285	B.E.	Electrical and Electronics Engineering	4	2017	AE3781 COMPUTATIONAL ANALYSIS LABORATORY	Reciprocating balancing apparatus	10	10	0
286	B.E.	Electrical and Electronics Engineering	4	2017	AE3781 COMPUTATIONAL ANALYSIS LABORATORY	Gear Shaping Machine	10	10	0
287	B.E.	Electrical and Electronics Engineering	4	2017	AE3781 COMPUTATIONAL ANALYSIS LABORATORY	Moulding table, Moulding equipments	10	10	0
288	B.E.	Electrical and Electronics Engineering	4	2017	AE3781 COMPUTATIONAL ANALYSIS LABORATORY	Oxygen and Acetylene gas cylinders, blow pipe and other welding outfit	10	10	0

289	B.E.	Electrical and Electronics Engineering	4	2017	AE3781 COMPUTATIONAL ANALYSIS LABORATORY	Gear Hobbing Machine	10	10	0
290	B.E.	Electrical and Electronics Engineering	4	2017	AE3781 COMPUTATIONAL ANALYSIS LABORATORY	Whirling of shaft apparatus	10	10	0
291	B.E.	Electrical and Electronics Engineering	4	2017	AE3781 COMPUTATIONAL ANALYSIS LABORATORY	c) Damped torsional vibration setup	10	10	0
292	B.E.	Electrical and Electronics Engineering	4	2017	AE3781 COMPUTATIONAL ANALYSIS LABORATORY	Motorized gyroscope apparatus	2	2	0
293	B.E.	Electrical and Electronics Engineering	4	2017	AE3781 COMPUTATIONAL ANALYSIS LABORATORY	Static and Dynamic balancing apparatus	10	10	0
294	B.E.	Electrical and Electronics Engineering	4	2017	AE3781 COMPUTATIONAL ANALYSIS LABORATORY	Spring mass vibration system setup	10	10	0
295	B.E.	Electrical and Electronics Engineering	4	2017	AE3781 COMPUTATIONAL ANALYSIS LABORATORY	Printer	8	8	0
296	B.E.	Electrical and Electronics Engineering	4	2017	AE3781 COMPUTATIONAL ANALYSIS LABORATORY	High End system/Work station with necessary storage system	10	10	0
297	B.E.	Electrical and Electronics Engineering	4	2017	AE3781 COMPUTATIONAL ANALYSIS LABORATORY	Universal vibration apparatus setup	10	10	0
298	B.E.	Electrical and Electronics Engineering	4	2017	AE3781 COMPUTATIONAL ANALYSIS LABORATORY	UPS	10	10	0
299	B.E.	Electrical and Electronics Engineering	4	2017	AE3781 COMPUTATIONAL ANALYSIS LABORATORY	Torsional Vibration setup a) Single rotor system	10	10	0
300	B.E.	Electrical and Electronics Engineering	3	2021	EC3311 ELECTRONIC DEVICES AND CIRCUITS LABORATORY	Storage Oscilloscope	1	1	0
301	B.E.	Electrical and Electronics Engineering	3	2021	EC3311 ELECTRONIC DEVICES AND CIRCUITS LABORATORY	Bread boards	10	10	0
302	B.E.	Electrical and Electronics Engineering	3	2021	EC3311 ELECTRONIC DEVICES AND CIRCUITS LABORATORY	Semiconductor devices like Diode, Zener Diode, NPN Transistors, JFET, UJT, Photo diode, Photo Transistor	10	10	0
303	B.E.	Electrical and Electronics Engineering	3	2021	EC3311 ELECTRONIC DEVICES AND CIRCUITS LABORATORY	Resistors, Capacitors and inductors	10	10	0
304	B.E.	Electrical and Electronics Engineering	3	2021	EC3311 ELECTRONIC DEVICES AND CIRCUITS LABORATORY	Regulated 3 output Power Supply 5, ± 15V	10	10	0
305	B.E.	Electrical and Electronics Engineering	3	2021	EC3311 ELECTRONIC DEVICES AND CIRCUITS LABORATORY	Necessary digital IC 8	10	10	0
306	B.E.	Electrical and Electronics Engineering	3	2021	EC3311 ELECTRONIC DEVICES AND CIRCUITS LABORATORY	Function Generators	10	10	0

307	B.E.	Electrical and Electronics Engineering	3	2021	EC3311 ELECTRONIC DEVICES AND CIRCUITS LABORATORY	CRO	10	10	0
308	B.E.	Electrical and Electronics Engineering	3	2021	EE3311 ELECTRICAL MACHINES LABORATORY - I	DC Shunt Motor Coupled With DC Shunt Generator	1	1	0
309	B.E.	Electrical and Electronics Engineering	3	2021	EE3311 ELECTRICAL MACHINES LABORATORY - I	DC Shunt Motor Coupled With Three phase Alternator	1	1	0
310	B.E.	Electrical and Electronics Engineering	3	2021	EE3311 ELECTRICAL MACHINES LABORATORY - I	DC Shunt Motor with Loading Arrangement	3	3	0
311	B.E.	Electrical and Electronics Engineering	3	2021	EE3311 ELECTRICAL MACHINES LABORATORY - I	Rheostats	1	1	0
312	B.E.	Electrical and Electronics Engineering	3	2021	EE3311 ELECTRICAL MACHINES LABORATORY - I	Single Phase Resistive Loading Bank	2	2	0
313	B.E.	Electrical and Electronics Engineering	3	2021	EE3311 ELECTRICAL MACHINES LABORATORY - I	Single Phase Auto Transformer	2	2	0
314	B.E.	Electrical and Electronics Engineering	3	2021	EE3311 ELECTRICAL MACHINES LABORATORY - I	Single Phase Transformer	4	4	0
315	B.E.	Electrical and Electronics Engineering	3	2021	EE3311 ELECTRICAL MACHINES LABORATORY - I	Tachometer -Digital/Analog	8	8	0
316	B.E.	Electrical and Electronics Engineering	3	2021	EE3311 ELECTRICAL MACHINES LABORATORY - I	Three Phase Auto Transformer	1	1	0
317	B.E.	Electrical and Electronics Engineering	3	2021	EE3311 ELECTRICAL MACHINES LABORATORY - I	Three Phase Resistive Loading Bank	2	2	0
318	B.E.	Electrical and Electronics Engineering	3	2021	EE3311 ELECTRICAL MACHINES LABORATORY - I	DC Compound motor with loading arrangement	1	1	0
319	B.E.	Electrical and Electronics Engineering	3	2021	EE3311 ELECTRICAL MACHINES LABORATORY - I	DC Series Motor with Loading Arrangement	1	1	0
320	B.E.	Electrical and Electronics Engineering	3	2021	EE3311 ELECTRICAL MACHINES LABORATORY - I	DC Shunt Motor Coupled With DC Compound Generator	2	2	0
321	B.E.	Electrical and Electronics Engineering	4	2021	EE3411 ELECTRICAL MACHINES LABORATORY – II	Single Phase Auto Transformer	2	2	0
322	B.E.	Electrical and Electronics Engineering	4	2021	EE3411 ELECTRICAL MACHINES LABORATORY – II	Single Phase Resistive Loading Bank	2	2	0
323	B.E.	Electrical and Electronics Engineering	4	2021	EE3411 ELECTRICAL MACHINES LABORATORY – II	Three Phase Resistive Loading Bank	2	2	0
324	B.E.	Electrical and Electronics Engineering	4	2021	EE3411 ELECTRICAL MACHINES LABORATORY – II	Three phase inductive load	1	1	0
325	B.E.	Electrical and Electronics Engineering	4	2021	EE3411 ELECTRICAL MACHINES LABORATORY – II	Three Phase Induction Motor with Loading Arrangement	2	2	0
326	B.E.	Electrical and Electronics Engineering	4	2021	EE3411 ELECTRICAL MACHINES LABORATORY – II	Three Phase Auto Transformer	3	3	0
327	B.E.	Electrical and Electronics Engineering	4	2021	EE3411 ELECTRICAL MACHINES LABORATORY – II	Rheostats	1	1	0
328	B.E.	Electrical and Electronics Engineering	4	2021	EE3411 ELECTRICAL MACHINES LABORATORY – II	Single Phase Induction Motor with Loading Arrangement	2	2	0
329	B.E.	Electrical and Electronics Engineering	4	2021	EE3411 ELECTRICAL MACHINES LABORATORY – II	Tachometer -Digital/Analog	8	8	0
330	B.E.	Electrical and Electronics Engineering	4	2021	EE3411 ELECTRICAL MACHINES LABORATORY – II	Capacitor Bank	1	1	0

331	B.E.	Electrical and Electronics Engineering	4	2021	EE3411 ELECTRICAL MACHINES LABORATORY – II	DC Shunt Motor Coupled With Three phase non-salient pole Alternator	3	3	0
332	B.E.	Electrical and Electronics Engineering	4	2021	EE3411 ELECTRICAL MACHINES LABORATORY – II	DC Shunt Motor Coupled With Three phase Salient Pole Alternator	1	1	0
333	B.E.	Electrical and Electronics Engineering	4	2021	EE3411 ELECTRICAL MACHINES LABORATORY – II	DC Shunt Motor Coupled With Three phase Slip ring Induction motor	1	1	0
334	B.E.	Electrical and Electronics Engineering	5	2021	EE3512 CONTROL AND INSTRUMENTATION LABORATORY	Mat Lab Latest Version	30	30	0
335	B.E.	Electrical and Electronics Engineering	5	2021	EE3512 CONTROL AND INSTRUMENTATION LABORATORY	Desktop	30	30	0
336	B.E.	Electrical and Electronics Engineering	6	2021	EE3611 POWER SYSTEM LABORATORY	Software: EMTP / ETAP / CYME / MIPOWER / any Power system simulation software	5	5	0
337	B.E.	Electrical and Electronics Engineering	6	2021	EE3611 POWER SYSTEM LABORATORY	Server (Intel Core i7, 2 TB, 8 GB RAM or higher) (High Speed Processor)	1	1	0
338	B.E.	Electrical and Electronics Engineering	6	2021	EE3611 POWER SYSTEM LABORATORY	Compilers: C / C++ / Matlab	30	30	0
339	B.E.	Electrical and Electronics Engineering	6	2021	EE3611 POWER SYSTEM LABORATORY	Dot matrix Printer	1	1	0
340	B.E.	Electrical and Electronics Engineering	6	2021	EE3611 POWER SYSTEM LABORATORY	Laser Printer	1	1	0
341	B.E.	Electrical and Electronics Engineering	6	2021	EE3611 POWER SYSTEM LABORATORY	Personal Computers (Intel Core i5 or i7, 500 GB, 8 GB RAM)	30	30	0
342	B.E.	Electrical and Electronics Engineering	4	2021	EE3412 LINEAR AND DIGITAL CIRCUITS LABORATORY	Digital Multimeter	10	10	0
343	B.E.	Electrical and Electronics Engineering	4	2021	EE3412 LINEAR AND DIGITAL CIRCUITS LABORATORY	Digital IC Types	1	1	0
344	B.E.	Electrical and Electronics Engineering	4	2021	EE3412 LINEAR AND DIGITAL CIRCUITS LABORATORY	LM317	1	1	0
345	B.E.	Electrical and Electronics Engineering	4	2021	EE3412 LINEAR AND DIGITAL CIRCUITS LABORATORY	LM723	1	1	0
346	B.E.	Electrical and Electronics Engineering	4	2021	EE3412 LINEAR AND DIGITAL CIRCUITS LABORATORY	Regulated Power supply +12/-12V,5V	15	15	0
347	B.E.	Electrical and Electronics Engineering	4	2021	EE3412 LINEAR AND DIGITAL CIRCUITS LABORATORY	LED	1	1	0
348	B.E.	Electrical and Electronics Engineering	4	2021	EE3412 LINEAR AND DIGITAL CIRCUITS LABORATORY	Cathode Ray Oscilloscope (CRO) 50 Mhz	10	10	0
349	B.E.	Electrical and Electronics Engineering	4	2021	EE3412 LINEAR AND DIGITAL CIRCUITS LABORATORY	Potentiometer	1	1	0
350	B.E.	Electrical and Electronics Engineering	4	2021	EE3412 LINEAR AND DIGITAL CIRCUITS LABORATORY	Resistors ¼ Watt Assorted	1	1	0
351	B.E.	Electrical and Electronics Engineering	4	2021	EE3412 LINEAR AND DIGITAL CIRCUITS LABORATORY	Single strand wire	1	1	0
352	B.E.	Electrical and Electronics Engineering	4	2021	EE3412 LINEAR AND DIGITAL CIRCUITS LABORATORY	Step-down Transformer 230V/12-0-12V	1	1	0
353	B.E.	Electrical and Electronics Engineering	4	2021	EE3412 LINEAR AND DIGITAL CIRCUITS LABORATORY	Transistor	1	1	0
354	B.E.	Electrical and Electronics Engineering	4	2021	EE3412 LINEAR AND DIGITAL CIRCUITS LABORATORY	Zener diodes	1	1	0

355	B.E.	Electrical and Electronics Engineering	4	2021	EE3412 LINEAR AND DIGITAL CIRCUITS LABORATORY	Analog and Digital IC Tester (2 nos.each)	2	2	0
356	B.E.	Electrical and Electronics Engineering	4	2021	EE3412 LINEAR AND DIGITAL CIRCUITS LABORATORY	Bread Board	1	1	0
357	B.E.	Electrical and Electronics Engineering	4	2021	EE3412 LINEAR AND DIGITAL CIRCUITS LABORATORY	Capacitor	1	1	0
358	B.E.	Electrical and Electronics Engineering	4	2021	EE3412 LINEAR AND DIGITAL CIRCUITS LABORATORY	ICSG3524/SG3525	1	1	0
359	B.E.	Electrical and Electronics Engineering	4	2021	EE3412 LINEAR AND DIGITAL CIRCUITS LABORATORY	IC 741/ICNE555/566/565	1	1	0
360	B.E.	Electrical and Electronics Engineering	4	2021	EE3412 LINEAR AND DIGITAL CIRCUITS LABORATORY	Function Generator	5	5	0
361	B.E.	Electrical and Electronics Engineering	4	2021	EE3412 LINEAR AND DIGITAL CIRCUITS LABORATORY	Diodes, IN4001, BY126	1	1	0
362	M.E.	Embedded System Technologies	2	2021	ET4212 EMBEDDED PROGRAMMING LABORATORY - II	Desktop computer/Laptop	25	25	0
363	M.E.	Embedded System Technologies	2	2021	ET4212 EMBEDDED PROGRAMMING LABORATORY - II	Linux OS (Ubuntu/any other Linux OS)	25	25	0
364	M.E.	Embedded System Technologies	2	2021	ET4212 EMBEDDED PROGRAMMING LABORATORY - II	Labview/ any other software package /open source tools for instrumentation and control	5	5	0
365	M.E.	Embedded System Technologies	2	2021	ET4212 EMBEDDED PROGRAMMING LABORATORY - II	Any CAD package/open source	1	1	0
366	M.E.	Embedded System Technologies	2	2021	ET4212 EMBEDDED PROGRAMMING LABORATORY - II	Any MEMS simulation package /Open source	1	1	0
367	M.E.	Embedded System Technologies	2	2021	ET4212 EMBEDDED PROGRAMMING LABORATORY - II	Python compilers	25	25	0
368	M.E.	Embedded System Technologies	2	2021	ET4212 EMBEDDED PROGRAMMING LABORATORY - II	Open source IDE for programming (Visual Studio code/code blocks/any other IDE)	25	25	0
369	M.E.	Embedded System Technologies	2	2021	ET4212 EMBEDDED PROGRAMMING LABORATORY - II	NS2/NS3/optNet	25	25	0
370	B.E.	Computer Science and Engineering (Cyber Security)	4	2021	CB3412 Database Management Systems and Security Laboratory	SQL Map, JSQL Injection or equivalent	1	1	0
371	B.E.	Computer Science and Engineering (Cyber Security)	4	2021	CB3412 Database Management Systems and Security Laboratory	Oracle Database 12 or higher, MySQL 5.7 or higher, SQL Server 2022(16.x),PostgresQL	1	1	0
372	B.Tech.	Artificial Intelligence and Data Science	4	2021	AD3381 Database Design and Management Laboratory	Oracle Database 12 or higher, MySQL 5.7 or higher, SQL Server 2022(16.x)	1	1	0
373	B.Tech.	Artificial Intelligence and Data Science	4	2021	AD3381 Database Design and Management Laboratory	UMLLET Version 15 and above, JetUMl, version 8.0 and above, Star UML version v5.0 and above	1	1	0
374	B.Tech.	Artificial Intelligence and Data Science	4	2021	AD3381 Database Design and Management Laboratory	Windows 10 or higher operating system / Linux Ubuntu 20 or higher	30	30	0
375	B.Tech.	Artificial Intelligence and Data Science	4	2021	AD3381 Database Design and Management Laboratory	PostgreSQL, NetBeans / Visual Studio	1	1	0
376	B.Tech.	Artificial Intelligence and Data Science	4	2021	AD3381 Database Design and Management Laboratory	INTEL based desktop PC with min. 8GB RAM and 500 GB HDD, 17" or higher TFT Monitor, Keyboard and mouse	30	30	0

377	B.Tech.	Artificial Intelligence and Data Science	3	2021	AD3311 Artificial Intelligence Laboratory	Python3.9 and above	1	1	0
378	B.Tech.	Artificial Intelligence and Data Science	3	2021	AD3311 Artificial Intelligence Laboratory	INTEL based desktop PC with min. 8GB RAM and 500 GB HDD, 17" or higher TFT Monitor, Keyboard and mouse	30	30	0
379	B.Tech.	Artificial Intelligence and Data Science	3	2021	AD3311 Artificial Intelligence Laboratory	Windows 10 or higher operating system / Linux Ubuntu 20 or higher	30	30	0
380	B.Tech.	Artificial Intelligence and Data Science	3	2021	AD3311 Artificial Intelligence Laboratory	Python, Numpy, Scipy, Matplotlib, Pandas, seaborn	1	1	0
381	B.Tech.	Artificial Intelligence and Data Science	4	2021	AD3411 Data Science and Analytics Laboratory	Python , Numpy, Scipy ,Matplotlib, Pandas, seaborn, statmodels	1	1	0
382	B.Tech.	Artificial Intelligence and Data Science	4	2021	AD3411 Data Science and Analytics Laboratory	Windows 10 or higher operating system / Linux Ubuntu 20 or higher	30	30	0
383	B.Tech.	Artificial Intelligence and Data Science	4	2021	AD3411 Data Science and Analytics Laboratory	INTEL based desktop PC with min. 8GB RAM and 500 GB HDD, 17" or higher TFT Monitor, Keyboard and mouse	30	30	0
384	B.Tech.	Artificial Intelligence and Data Science	4	2021	AD3411 Data Science and Analytics Laboratory	Python3.9 and above	1	1	0
385	B.Tech.	Artificial Intelligence and Data Science	4	2021	AL3461 MACHINE LEARNING LABORATORY	The programs can be implemented in either Python or R	1	1	0
386	B.Tech.	Artificial Intelligence and Data Science	4	2021	AL3461 MACHINE LEARNING LABORATORY	Dev C++ / Eclipse CDT / Code Blocks / CodeLite / equivalent open source IDE	30	30	0
387	B.Tech.	Artificial Intelligence and Data Science	4	2021	AL3461 MACHINE LEARNING LABORATORY	Windows 10 or higher operating system / Linux Ubuntu 20 or higher	30	30	0
388	B.Tech.	Artificial Intelligence and Data Science	4	2021	AL3461 MACHINE LEARNING LABORATORY	Python , Numpy, Scipy ,Matplotlib, Pandas, seaborn, statsmodels Python3.9 and above, Anaconda Distribution	1	1	0
389	B.Tech.	Artificial Intelligence and Data Science	5	2021	AD3511 DEEP LEARNING LABORATORY	INTEL based desktop PC with min. 8GB RAM and 500 GB HDD, 17" or higher TFT Monitor, Keyboard and mouse	30	30	0
390	B.Tech.	Artificial Intelligence and Data Science	5	2021	AD3511 DEEP LEARNING LABORATORY	Python , Numpy, Scipy ,Matplotlib, Pandas, seaborn, statsmodels Python3.9 and above, Anaconda Distribution	1	1	0
391	B.Tech.	Artificial Intelligence and Data Science	5	2021	AD3511 DEEP LEARNING LABORATORY	Windows 10 or higher operating system / Linux Ubuntu 20 or higher	30	30	0
392	B.Tech.	Artificial Intelligence and Data Science	5	2021	AD3511 DEEP LEARNING LABORATORY	sci-kit learn	1	1	0
393	M.E.	Computer Science and Engineering	2	2021	CP4212 Software Engineering Laboratory	Windows 10 or higher operating system / Linux Ubuntu 20 or higher	1	1	0
394	M.E.	Computer Science and Engineering	2	2021	CP4212 Software Engineering Laboratory	ArgoUML/ STARUML/JetUML that supports UML 1.4 and higher Selenium, JUnit or Apache JMeter, Bugzilla, testDirector, TestLink	1	1	0
395	M.E.	Computer Science and Engineering	2	2021	CP4212 Software Engineering Laboratory	INTEL based desktop PC with min. 8GB RAM and 500 GB HDD, 17" or higher TFT Monitor, Keyboard and mouse and GPU as required	25	25	0

396	M.E.	Embedded System Technologies	1	2021	ET4111 Embedded System Laboratory I	Sensors and Interfacing (6 sets)	6	6	0
397	M.E.	Embedded System Technologies	1	2021	ET4111 Embedded System Laboratory I	Stepper Motors and Interface	3	3	0
398	M.E.	Embedded System Technologies	1	2021	ET4111 Embedded System Laboratory I	PIC Microcontrollers/ any other RISC 8 bit microcontroller with peripherals; IDE, Board Support Software Tools , Assembler , C Compiler/suitable open source software	6	6	0
399	M.E.	Embedded System Technologies	1	2021	ET4111 Embedded System Laboratory I	LCD interface	3	3	0
400	M.E.	Embedded System Technologies	1	2021	ET4111 Embedded System Laboratory I	Desktop computer/Laptop	10	10	0
401	M.E.	Embedded System Technologies	1	2021	ET4111 Embedded System Laboratory I	CRO	1	1	0
402	M.E.	Embedded System Technologies	1	2021	ET4111 Embedded System Laboratory I	BLDC motor & Interface	2	2	0
403	M.E.	Embedded System Technologies	1	2021	ET4111 Embedded System Laboratory I	8 Bit CISC/RISC microcontroller Compatible DAC interface Unit	3	3	0
404	M.E.	Embedded System Technologies	1	2021	ET4111 Embedded System Laboratory I	8 Bit CISC/RISC microcontroller Compatible ADC interface Unit	3	3	0
405	M.E.	Embedded System Technologies	1	2021	ET4111 Embedded System Laboratory I	8051 Microcontrollers/ any other CISC 8 bit microcontroller with peripherals; IDE, Board Support Software Tools , Assembler , C Compiler/suitable open source software	10	10	0
406	M.E.	Embedded System Technologies	2	2021	ET4211 EMBEDDED SYSTEM LABORATORY II	Rasperry Pi Boards with peripherals ;IDE, Board Support Software Tools /Compiler/others	5	5	0
407	M.E.	Embedded System Technologies	2	2021	ET4211 EMBEDDED SYSTEM LABORATORY II	LCD Interface	2	3	0
408	M.E.	Embedded System Technologies	2	2021	ET4211 EMBEDDED SYSTEM LABORATORY II	Arduino Boards with peripherals ;IDE, Board Support Software Tools /Compiler/others	10	10	0
409	M.E.	Embedded System Technologies	2	2021	ET4211 EMBEDDED SYSTEM LABORATORY II	ARM7 / ARM9/ARM Cortex/ any other ARM higher end processor with peripherals; IDE, Board Support Software Tools , Assembler , C Compiler/suitable open source software	5	5	0
410	M.E.	Embedded System Technologies	2	2021	ET4211 EMBEDDED SYSTEM LABORATORY II	BLDC motor & Interface	2	2	0
411	M.E.	Embedded System Technologies	2	2021	ET4211 EMBEDDED SYSTEM LABORATORY II	Desktop computer/Laptop	25	25	0
412	M.E.	Embedded System Technologies	2	2021	ET4211 EMBEDDED SYSTEM LABORATORY II	DSP Processor Boards with Board Support Tools & Interfaces	5	5	0
413	M.E.	Embedded System Technologies	2	2021	ET4211 EMBEDDED SYSTEM LABORATORY II	Stepper Motors and Interface	3	3	0
414	M.E.	Embedded System Technologies	2	2021	ET4211 EMBEDDED SYSTEM LABORATORY II	Sensors and Interfacing	6	6	0
415	M.E.	Embedded System Technologies	2	2021	ET4211 EMBEDDED SYSTEM LABORATORY II	Real Time Operating Systems (RTOS)- Any open source RTOS/ VXWorks/ Keil/ Android/Tiny OS/ RT Linux	1	1	0
416	M.E.	Computer Science and Engineering	1	2021	CP4161 ADVANCED DATA STRUCTURES AND ALGORITHMS LABORATORY	Open Source C++ Programming tool like G++/GCC	25	25	0
417	M.E.	Computer Science and Engineering	1	2021	CP4161 ADVANCED DATA STRUCTURES AND ALGORITHMS LABORATORY	64-bit Open source Linux or its derivative	25	25	0

418	M.E.	CAD/CAM	1	2021	CD4161 COMPUTER AIDED DESIGN LABORATORY	with 1 year Processor - Intel Core i7-10700 processor (2.90GHz, 16MB L3 cache); Memory -16 GB DDR4 SDRAM @ 2933 MHz Expandable up to 64 GB with one free slot; 2PCl/PCI Express Slots, Integrated Graphics Controller, 10/100/1000 Mbps Network Card, 6 USB Ports with at least two with 3.0, 2, RJ 45; Monitor - 19 inch (+/- 0.5) TFT/ Wide LED Color Monitor:Resolution 1366x768; Hard Disk Drive-1TB SATA HDD, 5400 RPM;USB Membrane keyboard; USB Optical Mouse; Operating System-Pre loaded Linux; OS Compatib	30	30	0
419	M.E.	CAD/CAM	2	2021	CC4211 RAPID PROTOTYPING LABORATORY	FDM RP Machine capable to print ABS,PLA (1 machine for each 3 students)	1	1	0
420	B.Tech.	Artificial Intelligence and Data Science	2	2021	AD3271 DATA STRUCTURES DESIGN LABORATORY	Python 3 interpreter for Windows/Linux	30	30	0
421	M.E.	CAD/CAM	1	2017	CM4161 COMPUTER AIDED MANUFACTURING LABORATORY	Computers	25	25	0
422	M.E.	CAD/CAM	1	2017	CM4161 COMPUTER AIDED MANUFACTURING LABORATORY	CAM Software for 3 axis machining or more	25	25	0
423	M.E.	CAD/CAM	1	2017	CM4161 COMPUTER AIDED MANUFACTURING LABORATORY	CNC Production type turning or Machining center	1	1	0
424	B.E.	Electrical and Electronics Engineering	4	2021	EE3413 MICROPROCESSOR AND MICROCONTROLLER	8085 Trainer kit with power supply	15	15	0
425	B.E.	Electrical and Electronics Engineering	4	2021	EE3413 MICROPROCESSOR AND MICROCONTROLLER	Software tool for 8085,8051,PIC assemblers loaded in computers (5 nos. PC with software license)	5	5	0
426	B.E.	Electrical and Electronics Engineering	4	2021	EE3413 MICROPROCESSOR AND MICROCONTROLLER	ADC and DAC Interface boards	5	5	0
427	B.E.	Electrical and Electronics Engineering	4	2021	EE3413 MICROPROCESSOR AND MICROCONTROLLER	8051 Microcontroller trainer kit with power supply	15	15	0
428	B.E.	Electrical and Electronics Engineering	4	2021	EE3413 MICROPROCESSOR AND MICROCONTROLLER	Traffic light interface board	5	5	0
429	B.E.	Electrical and Electronics Engineering	4	2021	EE3413 MICROPROCESSOR AND MICROCONTROLLER	Stepper motor interface board	5	5	0
430	B.E.	Electrical and Electronics Engineering	3	2021	CS3362 C PROGRAMMING AND DATA STRUCTURES LABORATORY	INTEL based desktop PC with min. 8GB RAM and 500 GB HDD, 17" or higher TFT Monitor, Keyboard and mouse	30	30	0
431	B.E.	Electrical and Electronics Engineering	3	2021	CS3362 C PROGRAMMING AND DATA STRUCTURES LABORATORY	Windows 10 or higher operating system / Linux Ubuntu 20 or higher	30	30	0
432	B.E.	Electrical and Electronics Engineering	3	2021	CS3362 C PROGRAMMING AND DATA STRUCTURES LABORATORY	Standalone desktops PC	15	15	0
433	B.E.	Electrical and Electronics Engineering	5	2021	EE3511 POWER ELECTRONICS LABORATORY	Single phase Full converter	2	2	0
434	B.E.	Electrical and Electronics Engineering	5	2021	EE3511 POWER ELECTRONICS LABORATORY	Voltmeter, Ammeter	10	10	0

435	B.E.	Electrical and Electronics Engineering	5	2021	EE3511 POWER ELECTRONICS LABORATORY	Three phase PWM Inverter	2	2	0
436	B.E.	Electrical and Electronics Engineering	5	2021	EE3511 POWER ELECTRONICS LABORATORY	Step up chopper	1	1	0
437	B.E.	Electrical and Electronics Engineering	5	2021	EE3511 POWER ELECTRONICS LABORATORY	Step down chopper	1	1	0
438	B.E.	Electrical and Electronics Engineering	5	2021	EE3511 POWER ELECTRONICS LABORATORY	Single phase Semi converter	2	2	0
439	B.E.	Electrical and Electronics Engineering	5	2021	EE3511 POWER ELECTRONICS LABORATORY	Single phase PWM Inverter	2	2	0
440	B.E.	Electrical and Electronics Engineering	5	2021	EE3511 POWER ELECTRONICS LABORATORY	SCR, TRIAC, IGBT, MOSFET (10 nos. Each)	10	10	0
441	B.E.	Electrical and Electronics Engineering	5	2021	EE3511 POWER ELECTRONICS LABORATORY	Regulated DC power supply	10	10	0
442	B.E.	Electrical and Electronics Engineering	5	2021	EE3511 POWER ELECTRONICS LABORATORY	Patchchords	20	20	0
443	B.E.	Electrical and Electronics Engineering	5	2021	EE3511 POWER ELECTRONICS LABORATORY	Multimeter	10	10	0
444	B.E.	Electrical and Electronics Engineering	5	2021	EE3511 POWER ELECTRONICS LABORATORY	CRO	10	10	0
445	B.E.	Electrical and Electronics Engineering	5	2021	EE3511 POWER ELECTRONICS LABORATORY	Computer	10	10	0
446	B.E.	Electrical and Electronics Engineering	5	2021	EE3511 POWER ELECTRONICS LABORATORY	Buck converter	1	1	0
447	B.E.	Electrical and Electronics Engineering	5	2021	EE3511 POWER ELECTRONICS LABORATORY	Buck Boost converter	1	1	0
448	B.E.	Electrical and Electronics Engineering	5	2021	EE3511 POWER ELECTRONICS LABORATORY	Bread board	15	15	0
449	B.E.	Electrical and Electronics Engineering	5	2021	EE3511 POWER ELECTRONICS LABORATORY	Boost Converter	1	1	0
450	B.E.	Electrical and Electronics Engineering	5	2021	EE3511 POWER ELECTRONICS LABORATORY	AC Voltage Controller	1	1	0
451	B.E.	Mechanical Engineering	2	2021	BE3271 BASIC ELECTRICAL AND ELECTRONICS ENGINEERING LABORATORY	Wattmeter – 300V, 30 A	1	1	0
452	B.E.	Mechanical Engineering	2	2021	BE3271 BASIC ELECTRICAL AND ELECTRONICS ENGINEERING LABORATORY	Transistor (No-BC548)	1	1	0
453	B.E.	Mechanical Engineering	2	2021	BE3271 BASIC ELECTRICAL AND ELECTRONICS ENGINEERING LABORATORY	Voltmeter (0-100V)	1	1	0
454	B.E.	Mechanical Engineering	2	2021	BE3271 BASIC ELECTRICAL AND ELECTRONICS ENGINEERING LABORATORY	Voltmeter (0-30V)	1	1	0
455	B.E.	Mechanical Engineering	2	2021	BE3271 BASIC ELECTRICAL AND ELECTRONICS ENGINEERING LABORATORY	Voltmeter MC (0-300)V	1	1	0

456	B.E.	Mechanical Engineering	2	2021	BE3271 BASIC ELECTRICAL AND ELECTRONICS ENGINEERING LABORATORY		1	1	0
457	B.E.	Mechanical Engineering	2	2021	BE3271 BASIC ELECTRICAL AND ELECTRONICS ENGINEERING LABORATORY	Voltmeter MI (0-300)V	1	1	0
458	B.E.	Mechanical Engineering	2	2021	BE3271 BASIC ELECTRICAL AND ELECTRONICS ENGINEERING LABORATORY	Ammeter (0-30 A), (0-2A)	1	1	0
459	B.E.	Mechanical Engineering	2	2021	BE3271 BASIC ELECTRICAL AND ELECTRONICS ENGINEERING LABORATORY	Ammeter MC (0-20A)	1	1	0
460	B.E.	Mechanical Engineering	2	2021	BE3271 BASIC ELECTRICAL AND ELECTRONICS ENGINEERING LABORATORY	Ammeter MI (0-20A)	1	1	0
461	B.E.	Mechanical Engineering	2	2021	BE3271 BASIC ELECTRICAL AND ELECTRONICS ENGINEERING LABORATORY	Ammeters (0-100mA, 0-25mA, 0-1mA)	1	1	0
462	B.E.	Mechanical Engineering	2	2021	BE3271 BASIC ELECTRICAL AND ELECTRONICS ENGINEERING LABORATORY		1	1	0
463	B.E.	Mechanical Engineering	2	2021	BE3271 BASIC ELECTRICAL AND ELECTRONICS ENGINEERING LABORATORY	Bread board	1	1	0
464	B.E.	Mechanical Engineering	2	2021	BE3271 BASIC ELECTRICAL AND ELECTRONICS ENGINEERING LABORATORY		1	1	0
465	B.E.	Mechanical Engineering	2	2021	BE3271 BASIC ELECTRICAL AND ELECTRONICS ENGINEERING LABORATORY	Bread board	1	1	0
466	B.E.	Mechanical Engineering	2	2021	BE3271 BASIC ELECTRICAL AND ELECTRONICS ENGINEERING LABORATORY	Bread Board	1	1	0
467	B.E.	Mechanical Engineering	2	2021	BE3271 BASIC ELECTRICAL AND ELECTRONICS ENGINEERING LABORATORY	Bread Board	1	1	0
468	B.E.	Mechanical Engineering	2	2021	BE3271 BASIC ELECTRICAL AND ELECTRONICS ENGINEERING LABORATORY	Bread Board	1	1	0
469	B.E.	Mechanical Engineering	2	2021	BE3271 BASIC ELECTRICAL AND ELECTRONICS ENGINEERING LABORATORY	Bread Board	1	1	0
470	B.E.	Mechanical Engineering	2	2021	BE3271 BASIC ELECTRICAL AND ELECTRONICS ENGINEERING LABORATORY	Capacitor 100μF	1	1	0
471	B.E.	Mechanical Engineering	2	2021	BE3271 BASIC ELECTRICAL AND ELECTRONICS ENGINEERING LABORATORY	Connecting wires	1	1	0

472	B.E.	Mechanical Engineering	2	2021	BE3271 BASIC ELECTRICAL AND ELECTRONICS ENGINEERING LABORATORY	Connecting wires	1	1	0
473	B.E.	Mechanical Engineering	2	2021	BE3271 BASIC ELECTRICAL AND ELECTRONICS ENGINEERING LABORATORY	Connecting wires	1	1	0
474	B.E.	Mechanical Engineering	2	2021	BE3271 BASIC ELECTRICAL AND ELECTRONICS ENGINEERING LABORATORY	Connecting wires	1	1	0
475	B.E.	Mechanical Engineering	2	2021	BE3271 BASIC ELECTRICAL AND ELECTRONICS ENGINEERING LABORATORY	Connecting Wires	1	1	0
476	B.E.	Mechanical Engineering	2	2021	BE3271 BASIC ELECTRICAL AND ELECTRONICS ENGINEERING LABORATORY	Connecting Wires	1	1	0
477	B.E.	Mechanical Engineering	2	2021	BE3271 BASIC ELECTRICAL AND ELECTRONICS ENGINEERING LABORATORY	Connecting Wires	1	1	0
478	B.E.	Mechanical Engineering	2	2021	BE3271 BASIC ELECTRICAL AND ELECTRONICS ENGINEERING LABORATORY	Connecting Wires	1	1	0
479	B.E.	Mechanical Engineering	2	2021	BE3271 BASIC ELECTRICAL AND ELECTRONICS ENGINEERING LABORATORY	Connecting Wires	1	1	0
480	B.E.	Mechanical Engineering	2	2021	BE3271 BASIC ELECTRICAL AND ELECTRONICS ENGINEERING LABORATORY	CRO	1	1	0
481	B.E.	Mechanical Engineering	2	2021	BE3271 BASIC ELECTRICAL AND ELECTRONICS ENGINEERING LABORATORY	D C Power Supply (0-128 V), (0-32V)	1	1	0
482	B.E.	Mechanical Engineering	2	2021	BE3271 BASIC ELECTRICAL AND ELECTRONICS ENGINEERING LABORATORY	DC power supply (0-30V)	1	1	0
483	B.E.	Mechanical Engineering	2	2021	BE3271 BASIC ELECTRICAL AND ELECTRONICS ENGINEERING LABORATORY	DC Regulated Power supply (0 - 30 V variable)	1	1	0
484	B.E.	Mechanical Engineering	2	2021	BE3271 BASIC ELECTRICAL AND ELECTRONICS ENGINEERING LABORATORY	DC Regulated Power supply (0 - 30 V variable)	1	1	0
485	B.E.	Mechanical Engineering	2	2021	BE3271 BASIC ELECTRICAL AND ELECTRONICS ENGINEERING LABORATORY	DC Regulated Power supply (0 - 30 V variable)	1	1	0
486	B.E.	Mechanical Engineering	2	2021	BE3271 BASIC ELECTRICAL AND ELECTRONICS ENGINEERING LABORATORY	DC shunt generator(0- 300V)	1	1	0
487	B.E.	Mechanical Engineering	2	2021	BE3271 BASIC ELECTRICAL AND ELECTRONICS ENGINEERING LABORATORY		1	1	0

488	B.E.	Mechanical Engineering	2	2021	BE3271 BASIC ELECTRICAL AND ELECTRONICS ENGINEERING LABORATORY	Digital multimeter	1	1	0
489	B.E.	Mechanical Engineering	2	2021	BE3271 BASIC ELECTRICAL AND ELECTRONICS ENGINEERING LABORATORY	Digital Multimeter	1	1	0
490	B.E.	Mechanical Engineering	2	2021	BE3271 BASIC ELECTRICAL AND ELECTRONICS ENGINEERING LABORATORY	Diodes (Si-1N4007) – 4	1	1	0
491	B.E.	Mechanical Engineering	2	2021	BE3271 BASIC ELECTRICAL AND ELECTRONICS ENGINEERING LABORATORY	Field Rheostat 175 Ω, 1.5 A	1	1	0
492	B.E.	Mechanical Engineering	2	2021	BE3271 BASIC ELECTRICAL AND ELECTRONICS ENGINEERING LABORATORY		1	1	0
493	B.E.	Mechanical Engineering	2	2021	BE3271 BASIC ELECTRICAL AND ELECTRONICS ENGINEERING LABORATORY		1	1	0
494	B.E.	Mechanical Engineering	2	2021	BE3271 BASIC ELECTRICAL AND ELECTRONICS ENGINEERING LABORATORY	MOSFET (2N7000)	1	1	0
495	B.E.	Mechanical Engineering	2	2021	BE3271 BASIC ELECTRICAL AND ELECTRONICS ENGINEERING LABORATORY	Multimeter	1	1	0
496	B.E.	Mechanical Engineering	2	2021	BE3271 BASIC ELECTRICAL AND ELECTRONICS ENGINEERING LABORATORY	Multimeter	1	1	0
497	B.E.	Mechanical Engineering	2	2021	BE3271 BASIC ELECTRICAL AND ELECTRONICS ENGINEERING LABORATORY	Multimeter	1	1	0
498	B.E.	Mechanical Engineering	2	2021	BE3271 BASIC ELECTRICAL AND ELECTRONICS ENGINEERING LABORATORY	Multimeter	1	1	0
499	B.E.	Mechanical Engineering	2	2021	BE3271 BASIC ELECTRICAL AND ELECTRONICS ENGINEERING LABORATORY		1	1	0
500	B.E.	Mechanical Engineering	2	2021	BE3271 BASIC ELECTRICAL AND ELECTRONICS ENGINEERING LABORATORY		1	1	0
501	B.E.	Mechanical Engineering	2	2021	BE3271 BASIC ELECTRICAL AND ELECTRONICS ENGINEERING LABORATORY		1	1	0
502	B.E.	Mechanical Engineering	2	2021	BE3271 BASIC ELECTRICAL AND ELECTRONICS ENGINEERING LABORATORY		1	1	0
503	B.E.	Mechanical Engineering	2	2021	BE3271 BASIC ELECTRICAL AND ELECTRONICS ENGINEERING LABORATORY	PN Diode (BY127, OA79), Zener diode (6.8V, 1A)	1	1	0

504	B.E.	Mechanical Engineering	2	2021	BE3271 BASIC ELECTRICAL AND ELECTRONICS ENGINEERING LABORATORY	Resistor 1KΩ	1	1	0
505	B.E.	Mechanical Engineering	2	2021	BE3271 BASIC ELECTRICAL AND ELECTRONICS ENGINEERING LABORATORY	Resistor 1 KΩ, 100Ω	1	1	0
506	B.E.	Mechanical Engineering	2	2021	BE3271 BASIC ELECTRICAL AND ELECTRONICS ENGINEERING LABORATORY	resistor (1KΩ, 100KΩ)	1	1	0
507	B.E.	Mechanical Engineering	2	2021	BE3271 BASIC ELECTRICAL AND ELECTRONICS ENGINEERING LABORATORY	Resistors	1	1	0
508	B.E.	Mechanical Engineering	2	2021	BE3271 BASIC ELECTRICAL AND ELECTRONICS ENGINEERING LABORATORY	Resistors 1KΩ, 1KΩ	1	1	0
509	B.E.	Mechanical Engineering	2	2021	BE3271 BASIC ELECTRICAL AND ELECTRONICS ENGINEERING LABORATORY	Resistors- 1kΩ, 470KΩ, 1MΩ	1	1	0
510	B.E.	Mechanical Engineering	2	2021	BE3271 BASIC ELECTRICAL AND ELECTRONICS ENGINEERING LABORATORY	Rheostat 175Ω, 250 Ω	1	1	0
511	B.E.	Mechanical Engineering	2	2021	BE3271 BASIC ELECTRICAL AND ELECTRONICS ENGINEERING LABORATORY	Rheostat 7.5 Ω, 10 A	1	1	0
512	B.E.	Mechanical Engineering	2	2021	BE3271 BASIC ELECTRICAL AND ELECTRONICS ENGINEERING LABORATORY	SCR TYN604	1	1	0
513	B.E.	Mechanical Engineering	2	2021	BE3271 BASIC ELECTRICAL AND ELECTRONICS ENGINEERING LABORATORY	Single phase Induction motor	1	1	0
514	B.E.	Mechanical Engineering	2	2021	BE3271 BASIC ELECTRICAL AND ELECTRONICS ENGINEERING LABORATORY	Tachometer	1	1	0
515	B.E.	Mechanical Engineering	2	2021	BE3271 BASIC ELECTRICAL AND ELECTRONICS ENGINEERING LABORATORY	Tachometer	1	1	0
516	B.E.	Mechanical Engineering	2	2021	BE3271 BASIC ELECTRICAL AND ELECTRONICS ENGINEERING LABORATORY	Tachometer – Digital	1	1	0
517	B.E.	Mechanical Engineering	2	2021	BE3271 BASIC ELECTRICAL AND ELECTRONICS ENGINEERING LABORATORY	Transformer (6-0-6)V	1	1	0
518	M.E.	Embedded System Technologies	1	2021	ET4112 Embedded Programming Laboratory I	Simulation Tools Proteus/ ORCAD	5	5	0
519	M.E.	Embedded System Technologies	1	2021	ET4112 Embedded Programming Laboratory I	Simulation Tools MATLAB /any other suitable Simulation software packages for programming/open source simulators	5	5	0
520	M.E.	Embedded System Technologies	1	2021	ET4112 Embedded Programming Laboratory I	FPGA Processor Boards with Board Support Tools & Interfaces	3	3	0

521	M.E.	Embedded System Technologies	1	2021	ET4112 Embedded Programming Laboratory I	Desktop computer/Laptop	20	20	0
522	M.E.	Embedded System Technologies	1	2021	ET4112 Embedded Programming Laboratory I	C/C++/Java/Embedded C/Embedded Java/ Compilers &Platforms/cloud	20	20	0
523	M.E.	Embedded System Technologies	1	2021	ET4112 Embedded Programming Laboratory I	Arduino Boards with peripherals ;IDE, Board Support Software Tools /Compiler/others	10	10	0

17(i). Central Computing Facility Area

Projected Area (sq.m)	150
Area available(sq.m)	150
Deficiency %	0.00

17.(ii) Terminals Lan Wan

Sl.No.	Course Type	Total Student	Number of Terminals with p4 processor or higher			Number of Terminals On LAN /WAN			Number of Printers		
			Required	Available	Deficiency	Required	Available	Deficiency	Required	Available	Deficiency
1	B.E.	1200	200	200	0.00	200	250	0.00	10	30	0.00
2	B.Tech.	420	70	200	0.00	70	250	0.00	4	10	0.00
3	M.E.	72	18	50	0.00	18	20	0.00	1	1	0.00

17.(iii) Softwares

Software required	Name of the software available
System software -(Three)	1. windows 10 2. ubundu 14.01 3. redhat linux
Application Software -(Twenty)	1. orcad 2. xilinx ise 3. iar work pench 4. kail 5. proteus 6. ccna 7. turbo c 8. oracle 9. madlab 10. ns2 11. rational rcse 12. android studio 13. java 14. autocad 15. creo 16. ansys 17. pro e 18. catia 19. solidworks 20. cnc

17.(iv) Network Connectivity

Network Connectivity	
Total Students	456
Required Bandwidth in Mbps	48
Available Bandwidth in Mbps	100
Number of nodes with internet connection	425
Deficiency %	0.00

18(i). Library Area

Type of Institution	Engineering Courses
Projected Area (sq.m)	400
Area available(sq.m)	1000
Deficiency %	0.00

Type of Institution | Engineering Courses

Projected Area (sq.m) | 400

18(ii).Library Books

	Required	Available	Deficiency %
Science & Humanities			
No.of volumes(M1)	1000	3064	0.00
No.of volumes added for the year 2023-2024(M3)	150	500	0.00
Total no.of volumes(M1+M2+M3)	11500	37787	0.00
Overall Deficiency			0.00
Engg./Tech.,Arch &plan., Management and Computer applications			
No.of titles(T)	1500	9364	0.00
No.of volumes(M2)	10350	34223	0.00

18(iii). Library Journals

Degree	Course	Required	Available	Deficiency %	Required	Available	Deficiency %
B.E.	Computer Science and Engineering (Cyber Security)	6	6	0.00	6	6	0.00
B.E.	Mechanical Engineering	6	6	0.00	6	6	0.00
B.E.	Electronics and Communication Engineering	6	6	0.00	6	6	0.00
B.E.	Electrical and Electronics Engineering	6	6	0.00	6	6	0.00
B.E.	Computer Science and Engineering	6	6	0.00	6	6	0.00
B.Tech.	Artificial Intelligence and Data Science	6	6	0.00	6	6	0.00
M.E.	Embedded System Technologies	6	6	0.00	6	6	0.00
M.E.	Computer Science and Engineering	6	6	0.00	6	6	0.00
M.E.	CAD/CAM	6	6	0.00	6	6	0.00

19(i). Class Rooms availability in the whole college

Sl.No.	Name of the Block	Area (Length * Width) in sq.m.	Number of Rooms	Type of roof	Capacity
1	6	90.3	66	Permanent	5418

Sl.No.	Name of the Block	Latitude	Longitude
1	6	36	27

19(ii). Summary of Class Rooms availability

Required	Available	Deficiency %
17	66	0

20. Number of Drawing halls / Conference halls

Degree	Number of Studios Required	Number Available	Deficiency %	Area of the each drawing hall required (sq.m.)	Area of the drawing hall available (sq.m.)	Deficiency %
B.E.	0	1	0	0	4	0

21(i). Administrative Area

SI.NO	Building space for	Carpet Area required (sq.m.)	Available (sq.m.)	Deficiency %
1	Principal	30	30	0 %
2	Director office	30	30	0 %
3	Board Room	20	20	0 %
4	Office all inclusive (One program)	150	150	0 %
5	Department offices	20	20	0 %
6	Cabins for Head of Departments	20	20	0 %
7	Faculty Rooms	5	5	0 %
8	Central Stores	30	30	0 %
9	Maintenance	10	10	0 %
10	Security	10	10	0 %
11	Housekeeping	10	10	0 %
12	Pantry for staff	10	10	0 %
13	Examinations Control office	30	30	0 %
14	Placement office	30	30	0 %

21(ii). Amenities

S.No.	Building space for	OneProgram required (sq.m.)	Available (sq.m.)	Deficiency %
1	**Gents Toilet / Ladies Toilet**	150	1960	0 %
2	**Boys Common Room**	75	125	0 %
3	**Girls Common Room**	75	125	0 %
4	**Cafeteria**	150	1905	0 %
5	**Stationery Store & Reprography**	10	50	0 %
6	**First Aid cum Sick room**	10	36	0 %
7	**Principal's quarters**	150	150	0 %
8	**Guest House**	30	30	0 %
9	**Sports Club / Gymnasium**	100	205	0 %
10	**Auditorium / Amphi Theater**	250	400	0 %
11	**Boys Hostel**	Adequate	4000	0 %
12	**Girls Hostel**	Adequate	2000	0 %

22(i). Boys Hostel Details

Hostel	Buildings	Location	Distance	Total Admitted Strength	Block Name	Room Type	Other Seated Room Type	Carpet area of room (sq.m.)	Number of rooms Required	Number of rooms Available	Room capacity Required (sq.m.)	Room capacity Available
Yes	Owned	Inside Campus	Within 20 KM	383	6	Triple Seated Room	0	20	128	136	2560	2720

22(ii). Boys hostel Summary

Room Type	Total hostel capacity required (sq.m.)	Total hostel capacity available (sq.m.)	Deficiency %
Triple Seated Room	2560	2720	0
Triple Seated Room			0

22(iii). Girls Hostel Details

Hostel	Buildings	Location	Distance	Total Admitted Strength	Block Name	Room Type	Other Seated Room Type	Carpet area of room (sq.m.)	Number of rooms Required	Number of rooms Available	Room capacity Required (sq.m.)	Room capacity Available
Yes	Owned	Inside Campus	Within 20 KM	383	6	Triple Seated Room	0	20	128	136	2560	2720
Yes	Owned	Inside Campus	Within 20 KM	134	BOYSHOSTEL	Triple Seated Room	0	20	45	65	900	1300

22(iv). Girls hostel Summary

Room Type	Total hostel capacity required (sq.m.)	Total hostel capacity available (sq.m.)	Deficiency %
Triple Seated Room	2560	2720	0
Triple Seated Room	900	1300	0

22(v). Other related building areas

Description of the area	Required carpet area (sq.m.) per hostel unit of 120 students	Available carpet area (sq.m.)	Deficiency %
Kitchen and Dining Hall	200	200	0 %
Indoor games cum Common hall	150	150	0 %
Medical room (for all hostels)	50	50	0 %
Canteen	50	50	0 %
Warden office	18	18	0 %
Warden office Additional 4 rooms of 9 (sq.m.) each within the blocks	36	36	0 %
Guest rooms (2 nos)	18	18	0 %
Guest rooms Additional 4 rooms of 9 (sq.m.) each within the blocks	36	36	0 %
Toilets	75	75	0 %

23. Physical Education

SL.No	Description	Details
1	**Total area of the play ground(sq.m)**	2000.00
2	**Details of the outdoor Games available**	1 HANDBALL 2 THROW BALL 3 Foot Ball Field 4 Kabaddi Court 5 Ball Badminton Court 6 Cricket Ground 7 Volly Ball Court 8 Hockey field 9 Basket Ball Court
3	**Details of the Indoor Games available**	1 Carrom Board 2 Chess Board 3 Table Tennis
4	**Details of gymnasium available**	1Separate Gym for Boys in Boys Hostel 2Separate Gym for Girls in Girls Hostel 3Body Solid Product 4Equipments Cover all the parts of the body
5	**Funds allotted to physical Education**	500000

24(i). Traning and Placement Cell

Sl.No.	Name	Designation	Department
1	Mr. Bharthiraja N	Assistant Professor	COMPUTER SCIENCE AND ENGINEEERING

24(ii). Facilities available

Sl.No	Item	Available (Yes/No)
1.	Conference Hall	YES
2.	Interview Room	YES
3.	OHP	YES
4.	LCD projector	YES
5.	Audio visual facilities	YES

25. Alumni Association

Sl.No	Alumni association	Available(YES/NO)
1.	Is alumni association functioning in the college?	YES

26(i). Health Centre

SL.No.	Name of the staff	Designation	Qualification		Experience
1	Mrs.KRISHNAVENI S	Nurse	Others - GNM	GENERAL NURSING	10
2	Dr.SENTHIL VELUKANTHAL N	Doctor	Others - BSMS. MS	GENERAL MEDICAL	10

26(ii). Other Amenities

Sl.No	Item	Available(Yes/No)
1.	Drinking Water facility	YES
2.	Electric Supply	YES
3.	Generator (min.25 KVA)	YES
4.	Sewage Disposal	YES
5.	Telephone facility	YES
6.	Vehicle Parking Stand	YES
7.	Website	YES
8.	Barrier free built environment for disable	YES
9.	Saftey Provisions(Fire and Others)	YES
10.	General Insurance for Assets	YES
11.	All Weather Approach road	YES
12.	Notice Boards	YES
13.	Public announcement System	YES
14.	ERP for student-institution,Parent interaction	YES
15.	Transport facilities for staff and students	YES
16.	Bank /extension counter facility / post	YES
17.	CCTV Security	YES
18.	LCD in Class Rooms	YES
19.	Group Insurance for Employee	YES
20.	Group Insurance for Students	YES
21.	Staff Quarters	NO
22.	Rain Water Harvesting Structures	YES

27. Registers and Records

Sl.No	Name of Register / Record	Is it Maintained properly Yes/No
1.	Department wise faculty profile	YES
2.	Department wise Non-Teaching Staff Profile	YES
3.	Register of Students attendance and assessment record	YES
4.	Attendence for Teaching and non-teaching staff	YES
5.	Advertisement for the recruitment of Faculty members	YES
6.	Minutes of the meeting of staff selection Committee	YES
7.	Appointment / offer letters issued to faculty members	YES
8.	Joining report of staff members	YES
9.	Record of students(course wise)	YES
10.	Academic performance record of students(course wise)	YES
11.	Record of student projects(UG,PG& PhD)	YES
12.	Register of attendance and assessment record(course wise)	YES
13.	Record of scholarships / fellowships / financial assistance for students	YES
14.	Books of Transfer certificate(including counterfoils)	YES
15.	Copy of Regulations, curriculum and syllabi(course wise)	YES
16.	Record of Research /Consultancy /Extension activites(Department wise)	YES
17.	Record of Achievements,Award and Recognition(Department wise)	YES
18.	Master time table and Academic calendar	YES
19.	Accession register for library	YES
20.	Stock register for equipment	YES
21.	Stock register for consumable	YES
22.	Stock register for furniture	YES
23.	Stock register for tools and plants	YES
24.	Minutes of the meetings of the Governing council of the college	YES
25.	Minutes of the meetings of the Planning and Monitoring Board	YES
26.	Minutes of the meetings of the Registered Socity /Trust of the college	YES

27.	Year-wise audited statement of the college and also in the format specified by the University	YES
28.	Cash book of the college	YES
29.	Acquaintance register	YES
30.	Fee receipt books(including counterfoils)	YES
31.	Funds position /Bank certificates/FDR copies to indicate financial stability	YES

28. Certificates

Sl.No	Certificate Names	Images
1.	Village field map / Field measurement book sketch	Certificate 1.1 Certificate 1.2
2.	College sitemap / plan	Certificate 2.1
3.	Existing building plan	Certificate 3.1
4.	Building sketch [details of Rooms, Laboratories, Stores, Library etc. for all the floors]	Certificate 4.1 Certificate 4.2 Certificate 4.3 Certificate 4.4 Certificate 4.5 Certificate 4.6 Certificate 4.7 Certificate 4.8 Certificate 4.9 Certificate 4.10 Certificate 4.11 Certificate 4.12 Certificate 4.13 Certificate 4.14 Certificate 4.15
5.	Building plan proposed.	Certificate 5.1 Certificate 5.2 Certificate 5.3 Certificate 5.4 Certificate 5.5 Certificate 5.6 Certificate 5.7 Certificate 5.8 Certificate 5.9 Certificate 5.10 Certificate 5.11 Certificate 5.12 Certificate 5.13 Certificate 5.14 Certificate 5.15 Certificate 5.16 Certificate 5.17 Certificate 5.18

6.	Irrevocable Trust Registration Deed.	Certificate 6.1 Certificate 6.2 Certificate 6.3 Certificate 6.4 Certificate 6.5 Certificate 6.6 Certificate 6.7 Certificate 6.8 Certificate 6.9 Certificate 6.10 Certificate 6.11 Certificate 6.12 Certificate 6.13 Certificate 6.14 Certificate 6.15 Certificate 6.16 Certificate 6.17 Certificate 6.18 Certificate 6.19 Certificate 6.20 Certificate 6.21 Certificate 6.22
7.	Documentary proof for ownership of lands exclusively earmarked for the College.	Certificate 7.1
8.	Legal opinion from not below the rank of the Govt. pleader on the ownership of land and extent of coverage.	Certificate 8.1 Certificate 8.2 Certificate 8.3 Certificate 8.4 Certificate 8.5 Certificate 8.6 Certificate 8.7 Certificate 8.8 Certificate 8.9 Certificate 8.10 Certificate 8.11 Certificate 8.12 Certificate 8.13 Certificate 8.14 Certificate 8.15 Certificate 8.16 Certificate 8.17 Certificate 8.18 Certificate 8.19 Certificate 8.20 Certificate 8.21 Certificate 8.22 Certificate 8.23 Certificate 8.24 Certificate 8.25 Certificate 8.26
9.	Land use Certificate from an appropriate authority (RDO) and Land conversion certificate form the Directorate of Town & Country planning.	Certificate 9.1 Certificate 9.2 Certificate 9.3

10.	# Certificate under Section 37 (B) of Tamil Nadu Land Reforms (Land fixation and Ceiling) Act, 1961.	Certificate 10.1 Certificate 10.2 Certificate 10.3 Certificate 10.4 Certificate 10.5 Certificate 10.6 Certificate 10.7 Certificate 10.8 Certificate 10.9 Certificate 10.10 Certificate 10.11 Certificate 10.12
11.	# State Government permission for starting the College.	Certificate 11.1 Certificate 11.2 Certificate 11.3 Certificate 11.4 Certificate 11.5 Certificate 11.6
12.	AICTE approval for the course(s) (copy to be enclosed).	Certificate 12.1 Certificate 12.2 Certificate 12.3 Certificate 12.4
13.	Documents showing the financial viability of the college [details of financial budgeted revenue and expenses statements (Current year)].	Certificate 13.1 Certificate 13.2 Certificate 13.3
14.	Composition of the Govening council.	Certificate 14.1 Certificate 14.2 Certificate 14.3 Certificate 14.4 Certificate 14.5 Certificate 14.6 Certificate 14.7 Certificate 14.8 Certificate 14.9
15.	Master Time - Table for all courses and all sections with classroom arrangements.	Certificate 15.1
16.	Audited statement of accounts of the college for the past three years.	Certificate 16.1 Certificate 16.2 Certificate 16.3
17.	Certificates for fire/boiler/electrical safety from competent authorities.	Certificate 17.1
18.	Certificate from Health Inspector.	Certificate 18.1
19.	Certificate from PWD Superintendent Engineer for the structual stability of the building.	Certificate 19.1 Certificate 19.2
20.	Building and equipment insurance certificate.	Certificate 20.1
21.	NIRF Certificate.	
22.	NBA Certificate for accredited Courses, if any	

| 23. | NAAC Certificate | Certificate 23.1 |

29. Processing Fee

SL.No	Courses for which affiliation is sought for the year	Number of course(s)	Inspection / Processing fee per course RS	Total Amount
1	No. of the existing Courses with existing/reduction intake	6	20000	120000
2	No. of the affiliated course with increase in intake	0	40000	0
3	No. of the Addtional academic courses	0	40000	0
4	Application Submission LATE FEE	0	50000	0
			Grand Total	120000

SI.NO	Amount (Rs)	RTGS/NEFT/IMPS/UTR No.	Date	Name of the Bank	Branch
1	120000	axsk230580003939	27-02-2023	AXIS BANK	tambaram

Affiliation stands cancelled if the Affiliation fee is not paid on or before 1st July 2023

30. Endorsement of the Principal

Endorsement of the Principal

I, Thiru. / Tmt. **Ramesh Babu Durai C** Son / Daughter of Thiru. **Chella Durai C** on behalf of the (**Dhanalakshmi College Of Engineering**) hereby declare that the particulars furnished in the application are correct to the best of my knowledge.

Principal

(DR. RAMESH BABU DURAI C)

Dr. C.RAMESH BABU DURAI, M.E.Ph.D,
PRINCIPAL
DHANALAKSHMI COLLEGE OF ENGINEERING
MANIMANGALAM, TAMBARAM, CHENNAI-601301

Seal

Place   : MANIMANGALAM

Date   : 30-03-2023

3/29/23, 3:51 AM
Centre for Affiliation of Institutions, Anna University, Chennai

Declaration by the Management

I, Thiru. / Tmt. **Ramamurthi VP** Son / Daughter of Thiru. **Perumaliah VR** on behalf of the Trust, viz., **Dhanalakshmi Educational Trust** hereby declare that the particulars furnished in the application are correct to the best of my knowledge. No programme(s) / course(s) will be started and students admitted without the prior approval/affiliation of AICTE / COA / DGS / Anna University, Chennai for the academic year Concerned and all the original documents related to the particulars given in the application will be produced at the time of inspection, and whenever called for.

Chairman / Secretary
(DR. RAMAMURTHI VP)

Place : MANIMANGALAM
Date : 29-03-2023

Seal