ವಿವೇಕಾನಂದ ತಾಂತ್ರಿಕ ಮಹಾ ವಿದ್ಯಾಲಯ

VIVEKANANDA INSTITUTE OF TECHNOLOGY

AN INSTITUTE OF JANATHA EDUCATION SOCIETY

Recognised by GOK, Affiliated to VTU, Approved by AICTE, New Delhi & Accredited by NAAC

AICTE MANDATORY DISCLOSURE

NAME ANDADDRESSOFTHEINSTITUTION

Name	**VIVEKANANDAINSTITUTEOFTECHNOLOGY**
Address	GUDIMAVU,KENGERIHOBLI,KUMBALAGODU
City	BENGALURU
State	KARNATAKA
Website	www.vitb.ac.in
PhoneNo	+918028437036,7625013435
FaxNo	080-28437944
Email	vkitprincipal@gmail.com
AICTE PermanentID	1-12176161
Date	16.07.2023
PeriodofLast Approval	2023-24
Longitude& Latitude	77.45407128020378,12.857224027622449
Collegehours	8.30AMto 4.30 PM

NAMEANDADDRESSOFTHETRUST/SOCIETY/COMPANYANDTHE TRUSTEES

Name	JANATHAEDUCATIONSOCIETY
Address	VivekanandaCollegePremises,NexttoOrionMall,Dr.Rajkumar Road, Rajajinagar II Stage
City	Bangalore-560055.
State	KARNATAKA
PhoneNo	08023371952
Email	jesmanager@gmail.com

Janatha Education Society
Details of Trustees

Sl. No.	NameoftheTrustee&Address	Designation	Mobile No.	Email
1	**Sri. BALAKRISHNA H. C** AmmaNilaya,No.21,(22) 1st Cross, 1st Stage MIG KHB Colony, BasaveshwaraNagara Bengaluru-560079	President	9448066939 9448050192 9663146939	jesmanager@gmail.com
2	**Sri. S.T.NarayanaGowda** No.463/1, 7th Cross 12thMainRoad, RMV Extension SadashivaNagar Bengaluru-560080.	Vice-President	9845165280	jesmanager@gmail.com
3	**Sri. H.G.Balagopal** ShobhaShree,No.893, West of Chord Road, II Stage, Bengaluru-560086	Secretary	9845047495	hgbalagopal@gmail.com
4	**Sri I Narayana Reddy** No.23/1, 1st'A'Main Road 5th Cross, Yeshwanthpur Bengaluru - 560 022	Joint Secretary	9342868296	-
5	**Sri. N.Nagaraj** #.19/7,MysoreDeviationRoad Gopalapuram Magadi Road, Bengaluru-560032	Treasurer	7338081732	-
6	**Sri. Harish Appa Reddy** #. K5/2,10thCross RMVExtension,LakeRoad Sadashiva Nagar Bengaluru-560080	Internal Auditor	9845042747	haagindia@gmail.com
7	**Sri C.N.Manche Gowda** No.51,HIG,1st'A'MainRoad 1st Stage, KHB Colony Basaveshwara Nagar Bengaluru-560079	Member MC	9972017176	manche1938@gmail.com
8	**Sri. K.Shyamaraju** No.150/B, 10th Main Road, RajmahalVilasExtension Sadashivanagara Bengaluru-560080,	Member	9844013391	-

9	**Sri. M. R.Lakshmi Manohar** No.169, 1st Floor LowerPalaceOrchard Bengaluru - 560 003	Member	7829748937	Lmanohar26@gmail.com
10	**Sri. K.L Avinash** 31/8, 16th Cross, 6th Main Narayanappa Farm, Sanjayanagar, R.M.V2nd Stage Bengaluru-560094	Member	9845153715	-
11	**Sri. K.P.Manju** No.95,1stFloor, 4thCross,2ndStage AGB Layout, Mahalaksmipuram Bengaluru-560096	Member	9844565861	-
12	**Sri. G.V.Anil** No11,1st Floor 1stCross, "Shanthivana" SahakarnagaraPost Bengaluru 560092	Member	9448663752	-
13	**Smt. B.H. Pankaja** No.38,9thCross,8thMain, 1st Floor S.B.M. Colony, Brundavan Nagar Mathikere Extension Bengaluru-560054	Member	9742818256	-
14	**Prof. G.K. Narayana Reddy** No.622/93, Dr.Rajkumar Road Rajajinagar,2ndBlock, Bengaluru - 560 010	Mentor	9448713712	kn_reddy@hotmail.com
15	**Dr. A.C Raghuram** # 98, 5A Cross Dollar's Colony, RMV 2nd Stage Bengaluru-560094	Advisor	9945560104	raghuram@scientist.com
16	**Sri. K.P.Muthaiah** No.12, 1st Main, 3rd Stage, Vinayaka Layout Vijayanagar, Bengaluru-560040	Invitee	9902144188	muthaiah@yahoo.com
17	**Sri. H.TNarayana** 20,3rdCrossRoad Srirampuram Bengaluru-560021	Invitee	-	-
18	**Sri. A.M.Umashankar** #5/106,SriRamaNilaya	Invitee		ammresidency@gmail.com

	10thMain,11thACross Malleshwaram Bengaluru-560003		9845017319	
19	**Smt. Indira Gopala Krishna** #474, Jalvayu Towers NGEF Layout, Sadananda Nagara Indiranagara, post Bengaluru-560038	Invitee	9845666495	Indira1411@yahoo.com
20	**Sri. G.K. Sathyakeerthi** No.402/1, First Floor 13th Cross, Sadashivanagar, Bengaluru -560 080	Invitee	9986577036	-
21	**Sri K. B. Jayaram** No.33,6th.MainRoad Malleswaram Bengaluru - 560 003	Special Invite	9880195274	21
22	**Smt. H.R Aruna Kumari** No. 222, 8th Cross, 3rd Block D Group Employee Layout Andhrahalli Main Road Vishwanidam Post, Bengaluru -560091	Special Invite	9945079877	22
23	**Dr. R Ravindra** Chairman-Suguna Hospital 1A/87, Dr. Rajkumar Rd, 4thN' Block, Udayam Nagar, Rajajinagar, Bengaluru-560010	Special Invite	9845034546	23

NAMEAND ADDRESS OF THE PRINCIPAL

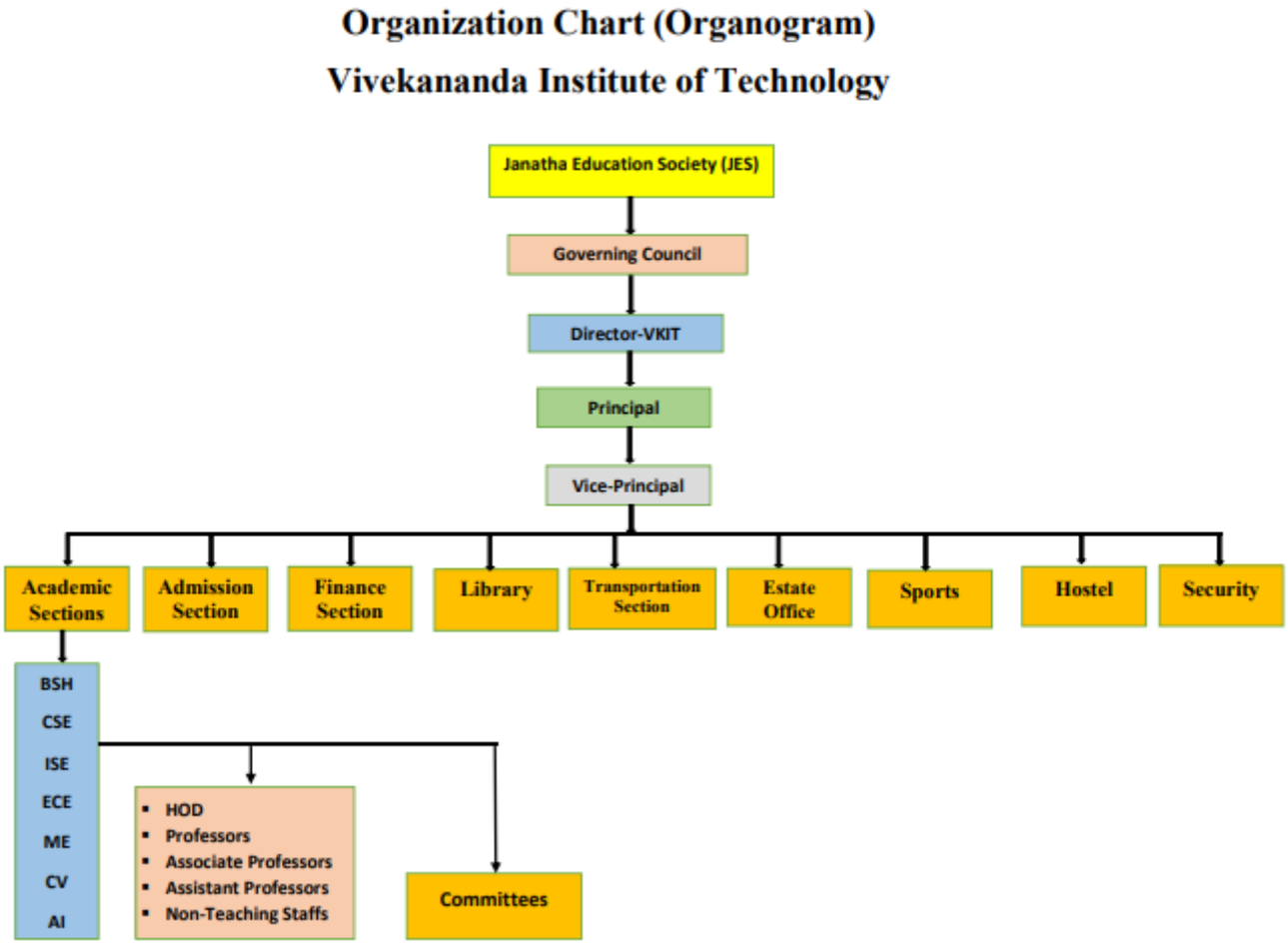
Name	**Dr. K.M. Ravikumar** Principal
Address	GUDIMAVU,KENGERIHOBLI
City	BENGALURU
State	KARNATAKA
Website	www.vitb.ac.in
PhoneNo	080-28437696,7625013435
FaxNo	080-28437696
Email	vkitprincipal@gmail.com

NAMEOFTHEAFFILIATINGUNIVERSITY

Nameofthe University	VisvesvarayaTechnologicalUniversity,Belagavi-590 018, Karnataka
Nameof Registrar	Dr.B.E.Rangaswamy
Address	JnanaSangama, Belagavi,Karnataka-590018
City	Belagavi,
State	Karnataka
Website	https://vtu.ac.in
PhoneNo	0831-2498100
FaxNo	0831-2405467
Email	registrar@vtu.ac.in

GOVERNANCE

ORGANIZATIONALCHARTANDPROCESSES



Establishment of Anti-Ragging Committee

Sl. No.	Committee Members	Designation	Phone No's
1	Dr. K.M. Ravikumar Principal	President	9880373629
2	Dr. D.V.Chandrasekhar, Vice-Principal, Professor & HOD	Member	9448394326
3	Dr. Vidya A Professor & HOD, Dept. of CSE	Member	9986011084
4	Dr. Bhagyalakshmi N Professor & HOD, Dept. of ECE	Member	9480261129
5	Dr. Vanajakshi P Prof & HOD, Dept. of ISE	Member	8884050005
6	Dr. Shaila K Professor & HOD, Dept. of AI & ML	Member	9964579958
7	Dr. Shivaraj B.W. Associate Professor & HOD, ME	Member	7338614265
8	Prof. Harish T S Professor&HOD,CE	Member	8197942065
9	Mrs. Rekha H P (PED)	Member	
10	Jyothi Girls Hostel Warden	Member	9901641513
11	Mr. Girish Boys Hostel Warden	Member	6363481767
13	Police Sub Inspector, Kaggalipura Kanakpura Road, Bangalore	Member	080-28435250
Student Members			
14	Mr. Hemanth D.P. V Sem ECE	Member	6363610472
15	Miss. Bhoomika R V Sem AI & ML	Member	8073086624
16	Mr. Akash M V Sem ME	Member	9845702287
17	Mr. Deepak, VII Sem CSE	Member	9353146340
18	Miss. Niharika P, V Sem ISE	Member	6362711022
19	Mr. Manoj G.N.., VI Sem ISE	Member	7411841511
20	Mr. Dev Bupendra, V Sem ISE	Member	8884014759

21	Mr. Nithin Gowda M.S. V Sem AI & ML	Member	8310790963
22	Mr. Sumukh R, VII Sem CSE	Member	9036731099
23	Miss. Meghana R, VII Sem CSE	Member	9353168362

Grievance Redressal Committee

Sl. No	Name	Designation
1.	Dr.K.M. Ravikumar Principal	Chairman
2.	Dr.D.V. Chandrashekar Vice-Principal	Vice-Chairman
3	Dr. VidyaA, Prof. & Head, Dept. of CSE	Member(Female)
4.	Prof. Anisha Asst. Prof.Dept. of ECE	Member(OBC)
5.	Prof.Anitha Asst.Prof.Dept.of ISE	Member
6.	Nithin Gowda M.S Third year AI & ML	Student member

Establishment of Online Grievance Redressal Mechanism

Online link for grievances of staff and Students:

grievancesvkit@gmail.com

Internal Complaint Committee

Sl. No	Position	Position in CICC	Gender	Mobile Number and E-Mail ID	Official Number
1	Dr.P Vanajakshi Prof. Dept. ofISE	Chairperson	F	8884050005 vpgowda.cpt@gmail.com	080-28437696/28437036
2	Prof. PavitraS Assistant Prof. Dept. of Civil	Faculty Member	F	8344330879 pavithracivilian@gmail.com	
3	Prof. B.V.Shilpa Assistant Prof. Dept. ofBSH	Faculty Member	F	9945959777 shilpabv@gmail.com	
4	Prof.Sathyavathi E.V AssistantProf. Dept. of AI&ML	Faculty Member	F	7899589186 sathyavathievs727@gmail.com	
5	Mrs. Sunitha SDA-Office	Non-Teaching Member	F	9886659442 anandsunitha2004@gmail.com	
6	Mrs. Ramya S Account Assistant-Office	Non-Teaching Member	F	7338262882 ramya.gagamna05@gmail.com	
7	Kavana C.V. Dept. of ISE	Student	F	8050186545 kavanacv21@gmail,com	
8	Samridhi Raj Lakshmi Dept. of ISE	Student	F	7858063043 samridhirajlakshmi@gmail.com	
9	Srusti S Deshmukh, Dept. of AI &ML	Student	F	9113226365 srustipurana321@gmail.com	
10	Radhika, Dept. of ISE	Student	F	8073277175 radhikakumavat666@gmial.com	
11	Kusuma L Dept. of ECE	Student	F	7625028082 kusumanjali151@gmail.com	
12	Smt.Dr.Padmakshi Lokesh	NGO Member	F	9901926919 drpadmakshi@gmail.com	

SC/ST Committee

SL No	Name	Designation
1	SiddarajuN	Chairman
2	Gangadharaiah H.N	Member
3	Mohan Babu V	Member
4	Suresh Kadenayankanahalli	Member

6.Programs

Name of the Programs approved by AICTE Under Graduate Programs

Sl. No	Course	Year of Est.	Approval Intake for the year (2024-25)
1	Electronics & Communication Engineering	1997	120
2	Computer Science and Engineering	1997	180
3	Information Science and Engineering	1998	120
4	Mechanical Engineering	2013	30
5	Civil Engineering	2013	30
6	Artificial Intelligence and Machine Learning	2020	90
Total Intake			**570**

Name of the Programs Accredited by NBA Under Graduate Programs

-NIL-

ACCREDITATIONSTATUSOFVARIOUS COURSES

Under Graduate Programs

Sl. No	Name of the Department	AccreditationStatus			
		NBA		NAAC	
		From	To	From	To
1	Electronics& Communication Engineering	No		NAAC Accreditation B+	
2	Computer Science and Engineering				
3	Information Science and Engineering				
4	Mechanical Engineering				
5	Civil Engineering				
6	Artificial Intelligence & Machine Learning				

For each Programs the following details are to be given Under Graduate Programs

Sl. No.	Course	Intake	Duration (Years)	Cut off marks/rank of admission during the last three years			Fees (As Approved by state Govt.)
				2024-25	2023-24	2022-23	
1	Electronics& Communication Engineering	60	4	L-52959 H-185095	L-58833 H-158760	L-49491 H-203584	As per the Norms of State Government
2	Computer Science and Engineering	90	4	L-33376 H-162917	L-34233 H-109691	L-21694 H-142792	
3	Information Science and Engineering	60	4	L-62118 H-154990	L-45801 H-134039	L-41765 H-158755	
4	Mechanical Engineering	30	4	L-518907 H-268642	L- H-197111	L-11423 H-131760	
5	Civil Engineering	60	4	L-199971 H-271117	L- H-202830	L-98970 H-136476	
6	Artificial Intelligence& Machine Learning	60	4	L-51980 H-271336	L-40443 H-133301	L-44960 H-173047	

Placement DetailsforLastAcademicYear

Year	Name of student who hasbeenplaced	Program graduated from	Year of graduation	Name of the employer with contact details	Pay package at appointment (In INR per annum)
2023-24	Akshatha H.V.	B.E.	2024	NTT Data	8 L
2023-24	Manjunath R Gowda	B.E.	2024	N Uvento Systems Pvt. Ltd.	3
2023-24	Jhanavi	B.E	2024	TCS	3.35LPA
2023-24	Prajwal	B.E	2024	Appmocx Pvt. Ltd.	3
2023-24	Rohan	B.E	2024	TCS	3.36
2023-24	Aariz N Asser	B.E	2024	Glow Touch	3.2
2023-24	Amruth M	B.E	2024	Glow Touch	3.2
2023-24	Ramya	B.E	2024	Glow Touch	3.2
2023-24	Deekshitha R	B.E	2024	SKF India Ltd.	3.35
2023-24	Deshwanth	B.E	2024	SAP PI	3
2023-24	Gunasheela S	B.E	2024	SKF India Ltd.	3.35
2023-24	Keerthana C.L.	B.E	2024	SKF India Ltd.	3.35
2023-24	Nayana V	B.E	2024	SKF India Ltd.	3.35
2023-24	Lavanya M	B.E	2024	Voya Global Services Pvt. Ltd.	3.2
2023-24	Jaidev Singh	B.E	2024	TCS	3.36
2023-24	Kavya B.R	B.E	2024	Keylynk Business Consulting Pvt. Ltd.	1.8
2023-24	Gopi A.K.	B.E	2024	Keylynk Business Consulting Pvt. Ltd	1.8
2023-24	Bhagyamma	B.E	2024	Fox Conn	2.97
2023-24	Likith K	B.E	2024	Fox Conn	2.97
2023-24	Sahana Baby	B.E	2024	Fox Conn	2.97
2023-24	Inchara	B.E	2024	Max Eye	3
2023-24	Sumanth	B.E	2024	Fox Con	2.97
2023-24	Usha	B.E	2024	TCS	3.36
2023-24	Bhagavi	B.E	2024	Siterio	5

Name and duration of Program(s)having Twinning and Collaboration with Foreign University(s) and being run in the same Campus along with the status of their AICTE approval.

Sl. No.	Name of the University	Address	Website	Accreditation status of the University in its Home Country	RankingoftheUniversityintheHomeCountry	Whetherthe degree offered is equivalent to an Indian Degree	NatureofCollaboration	Conditionsof Collaboration	Complete details of payment a student has to make to get the full benefit of Collaboration
1	NIL								

FACULTY

VIVEKANANDA INSTITUTE OF TECHNOLOGY. BANGALORE - 74.

Faculty list-2024

Department of Electronics and Communication Engineering

Sl. No	Name of the Faculty	Designation	D O J	Mobile Number
1	Dr.K.M.Ravikumar	Prof & Principal	19.10.2023	7625013435
2	Dr.Bhagyalakshmi. N	Prof & HOD	10.10.2002	9480261129
3	Dr.Kishoremohan K. B	Porfessor	19.08.2024	7010755452
4	Dr. N.Udaya Kumar	Asst. Prof	06.10.2023	9849858667
5	Kavitha. K .S	Asst. Prof	16.10.2023	9964614067
6	Mamatha. M	Asst. Prof	16.10.2023	8971555340
7	Monica. N.P	Asst. Prof	30.10.2023	01.03.1991
8	NaveenKumar. N	Asst. Prof	08.04.2024	8073914632
9	Arpitha. K.S	Asst. Prof	22.04.2024	8884357785
10	Anisha A.	Asst. Prof	19.08.2024	7411743121

Department of Computer Science and Engineering

1	Dr.Vidya. A	Prof & HOD	22.09.2003	9986011084
2	Dr.Harshawardhan. D	Professor	27.08.2024	9480104221
3	Sijin. P	Asst. Prof	13.06.2022	9535610990
4	Deepthi. T.K	Asst. Prof	06.02.2023	9591376119
5	Vishwanath. P	Asst. Prof	23.03.2023	7989727205
6	Hanumantharayappa. T.A	Asst. Prof	26.06.2023	9448722407
7	Sowmya. M.Y	Asst. Prof	05.07.2023	8971995109
9	Shalaja. S	Asst. Prof	26.02.2024	9591029162
10	Mamatha C. G.	Asst. Prof	07.10.2024	9591989440
11	Harshitha H.S	Asst. Prof	07.10.2024	9845680510
12	Kathyaini L.V	Asst. Prof	23.10.24	7892776182

Artificial Intelligence and Machine Learning (AI & ML)

1	Dr.Shaila. K	Prof & HOD	22.09.2003	9964579958
2	Dr.Shalesh. M.L	Assoc Prof	14.03.2024	9886414140
3	Jamuna. H.G	Asst. Prof	04.11.2022 .	9591981924
4	Sathyavathi. E.V	Asst. Prof	01.09.2023	7899589186
5	Bhanumathi H.P	Asst. Prof	05.04.2024	8123436408

6	Anushree M.K	Asst. Prof	01.08.2024	9535985590
7	Darshan T.G	Asst. Prof	23.09.2024	7337739913
8	Vachana C	Asst. Prof	23.09.2024	9738684667
8	Girija R.	Asst. Prof	27.09.2024	8095043026

Department of Information Science Engineering				
1	Dr.P.Vanajakshi	Prof & HOD	**08.07.2000**	**8884050005**
2	Anitha. K .R	Asst. Prof	01.06.2023	8722933859
3	Bharathi.L .Rathod	Asst. Prof	05.09.2024	9743996000
4	Basvaraju. B.C	Asst. Prof	25.03.2024	9902599484
5	Suma N.	Asst. Prof	03.10.2024	9611091144
6	Rahul. J	Asst. Prof	21.11.2024	9535816505
7	Vidyashree K	Asst. Prof	03.12.2024	7090609386
Department of Mechanical Engineering				
1	Dr.Shivaraj. B.W	Assoc Prof & HOD	05.01.2024	7338614265`
2	Suresh M.P	Professor R&D	08.07.2024	9886756991
3	Dr.Manjunatha. R	Asst. Prof	25.07.2016	8123675064
4	Harsha.R .N	Asst. Prof	10.08.2015	9742023715
5	Devaraju. G.P	Asst. Prof	11.09.2017	9741260625
6	Sudindra. S	Asst. Prof	23.11.2021	9894562301
Department of Civil Engineering				
1	T.S.Harish	Asst. Prof	21.07.2014	8197942065
2	Siddaraju.N	Asst. Prof	18.08.2015	9742254612
3	Pavithra. S	Asst. Prof	02.12.2021	8344330879
4	SoubhagyaS.Bagojikoppa	Asst. Prof	18.12.2023	7022635777
Department of Basic Science and Humanities				
1	Dr. D.V.Chandrashekar	Prof & HOD/ Vice-Principal	24.11.1997	9448394326
2	Dr.Shilpa. B.V	Asst. Prof	30.07.2010	9945959777
3	Dr.MohanBabu. V	Asst. Prof	02.02.2015	9902441286
4	Lakshmikantha.D.B	Asst. Prof	08.09.2014	8746898129
5	Dr.H.G .Bheemanna	Professor	05.12.1997	9353260804

6	DevikaSundar	Asst .Prof	28.09.2015	8105975619
7	Pooja. D.N	Asst .Prof	10.11.2023	990252283
8	Thrjaswini. R	Asst .Prof	01.12.2023	9880759685
9	Sangeetha. A.N	Asst Prof	29.04.2024	9380994072
10	Nishcitha . S	Asst Prof	29.04.2024	8197954468

Details of Non-Teaching Staff (Dept - Wise) 2024

Administrative & Accounts				
Sl-No	**Name of the Staff**	**Designation**	**D.O.J**	**Mobile Number**
1	Basavaraj Irappa Patted	Senior Accountant	01.06.2023	9902792912
2	Sunitha . H	S D A	22.11.2004	9886659442
4	Govindaraju. B	S D A	01.12.2015	8095281839
5	Gangadharaiah. H.N	Cashier	20.06.2017	9538550373
6	Suma. Y	S D A	11.01.2023	7019049975
7	Ramya. S	Accounts Assistant	01.01.2024	9844088997
8	Kamala . T.H	Sweeper	10.10.2002	9900477028
10	Narasimha R	Office Asst.	05.08.2024	6362124410
Department of Electronics & Communication Engineering				
1	Rajanna. H. M	Foreman	01.02.2000	9242088985
2	Madhu H.D	Lab Instructor	05.08.2024	8073274267
3	HaripriyaRai.N	Lab Instructor	08.08.2024	9481611391
4	Jaikumar . B	Lab Asst	04.09.2014	9538541825
5	M .Prashanth	Office Asst	21.06.2014	8050527267
Department of Computer Science & Engineering				
1	Suresh. K	Programmer	09.07.2007	8050209126
2	Manjunatha. B.M	System .Analyst	21.06.2021	7338388754
3	Lakshmi NarayanaGowda. M.D	Lab Asst	11.10.2023	9742181232

Sl-No	Name of the Staff	Designation	D.O.J	Mobile Number
4	Puneeth. D.J	Lab Instructor	25.10.2023	8123425552
5	Shweta S Swami	Lab Instructor	05.08.2024	9986063335
Department of Information Science Engineering				
1	Govardhan . G. R	Lab Instructor	03.02.1999	9611345358
2	Krishanaveni	Lab Instructor	04.10.2024	7349390430
3	Babyshalini D	Lab Instructor	11.11.2024	7899426094
Department of AI&ML				
1	Ravi Kumar.Reddy V	Lab Instructor	01.07.2024	9632272182
2	PushpaS.Gotagunaki	Lab Instructor	16.10.2023	9980474100
Department of Mechanical Engineering				
1	D .Mohan Kumar	Lab Instructor	21.07.2014	9663042889
2	K Kumar	Lab Asst.	23.01.1998	9380946088
3	K C. Chandrashekar	Lab Asst.	06.06.2019	9901039904
4	Nikhil Kumar. B	Asst. Instructor	01.09.2015	81977533625
5	Shivamma G	Sweeper	03.05.1999	-
Department of Civil Engineering				
1	Arun . M	Asst. Instructor	03.08.2015	9916420173
2	Shivappa. H.T	Lab Asst.	05.08.2015	8050904967
3	Rajmudi . B. P	Helper	02.12.2004	9900230702
Basic Science & Humanities				
1	PuttaswamyGowda. A.B	Lab Instructor	27.04.2021	92422058214
2	Shrunga. H.V	Lab Instructor	12.09.2022	9380642495
3	Kumar R.	Lab Technician	05.03.1998	9036143708

Library & Information Centre				
Sl. No	**Name of the Staff**	**Designation**	**D.O.J**	**Mobile Number**
1	Narayana. R.E	Librarian	25.09.1998	9538282067
2	Dr.Manjunatha. N	Asst Librarian	12.08.2009	9620209206
3	Gayathri. M	Library Asst	01.09.2004	984444463200
4	Manjunatha. B	Helper	23.12.2004	9902146971
5	Sarojamma .K . M	Sweeper	16.09.2003 .	-
Physical Education				
1	Rekha H. P.	PED	01.10.2024	9591385924
Boys Hostel - Girls hostel/placement				
1	Girish H.N	Warden	01.03.2024	6363481767
2	Jyothi J.V	Warden	18.06.2024	8618864809
3	Kavya N	Asst. Placement officer	02.12.2024	6362127931
Estate Office				
1	Sudarshan Singh. R	Junior Engineer	16.06.2023	8722697945
2	Dinakara K	Asst. Engineer	25.11.2024	9845404649
3	KapaneGowda K.B	Electrician	12.04.2003	9241693617
3	Guruprasad. S	Electrician	28.05.2018	9739189569
4	Ramesha. T	Horticulture Supervisor	15.09.2004	9242996607
5	Venkatachlamurthy. T. H	Helper	11.09.2004	9880884979
6	KrishnaMurthy. C.K	Attender	26.03.2005	9986830867
7	Mahalingaiah	Scavenger	10.04.2004	9972495564
8	Ramu	Gardener	07.12.2023	9900323602

Transportation

Sl. No	Name of the Staff	Designation	D.O.J	Mobile Number
1	Channaiah G Hiremath	Driver	20.08.2003	8553528952
2	Ramalinge Gowda R P	Driver	27.08.1999	9845823894
3	Raju K	Driver	31.07.2008	8073380028
4	Prakasha	Driver	12.03.2010	9972033910
5	Dinesha. V	Driver	06.10.2010	9620453379
6	Natesha M M	Driver	11.10.2010	9901780886
7	Putte Gowda	Driver	30.05.2012	8095859790
8	Govinda D	Driver	11.02.2016	9845208519
9	Gudda Chennaiah	Driver	05.03.2018	9880081896
10	Rangappa	Driver	21.12.2018	9591545028
11	Somashekara M	Driver	23.11.2019	9844839599
12	Ravi K	Driver	16.02.2023	9448215099
13	Krishanamurthy N	Driver	02.05.2024	7676110977

PERMANENTFACULTY:STUDENT-RATIO

SL NO.	Department	No. of Faculty	No. Of Students (II,III,IV Year)	Ratio
1	Electronics &Communication Engineering	10	151	1:11
2	ComputerScience and Engineering	12	287	1:26
3	Information Scienceand Engineering	7	188	1:39
4	Mechanical Engineering	6	14	1:4
5	Civil Engineering	4	15	1:5
6	Artificial Intelligence and Machine Learning	9	28	1:51
7	Physics	3	-	
8	Chemistry	2	-	
9	Mathematics	5	-	
	Total	58	791	

Profile of Principal

Name	Dr. K.M. Ravikumar
DateofBirth	19-06-1975
UniqueID	1SJEC0003124
WorkingExperience	Teaching:24yrs Research Industry
Others	-
AreaofSpecialization	Electronics & Communication Engg.
Courses taught at Diploma/ Post Diploma/Under Graduate/Post Graduate/PostGraduateDiploma Level	Digital Signal Processing Microprocessor Digital Communication Signals & Systems
ResearchGuidance(No.OfStudents):	10Students
No. OfPaperspublished:inNational /International/Journals/Conferences	Journal National : 23 InternationalConferences-23 NationalConferences-8
No.OfBooksPublishedwithdetails (Name of the Book, Publisher with ISBN, Year of Publication Etc.	Automatic Detection of Syllable Repetition in Read Speech for Objective Assessment of Stuttered Disfluencies", PWASET, International Journal on Signal Processing, Vol.36, October 2008, pp. 270-273. "An Approach for Objective Assessment of Stuttered Speech Using MFCC Features", ICGST, International Journal on Digital Signal Processing, Vol.9, June 2009,Issue.1,pp.19-24. "*Temporal Dynamics of Repetitions during the Early Stage of Stuttering: An Acoustic Study*" International Journal on Advanced Networking and Applications, IJANA, Vol.02, November 2010, Issue: 04, pp. 784-787. "Comparison of Multidimensional MFCC Feature Vectors forObjective Assessment of StutteredDisfluencies"InternationalJournalon Advanced Networking and Applications, IJANA,Vol.02,April2011,Issue:05,pp.854-860. "Stuttered Speech: An Acoustic Study" International Journal of Computer

	EngineeringScience,IJCES,Vol.02,March 2012, Issue:01,pp.17-23, ISSN:2250:3439. "Analysisofinfantcrysignal:Basicapproach", Midas Touch International Journal of Commerce, Management and Technology, Volume 2, No. 1, January- 2014, pp.56-61, ISSN:2320-7787. "Stutteredspeechanalysis usingclassification for objective assessment of early stutter", Midas Touch International Journal of Commerce, Management and Technology, Volume2, No. 1, January-2014, pp.62-66, ISSN:2320 -7787. "Efficient Comparator based Sum of AbsoluteDifferencesArchitectureforDigital Image Processing Applications", International Journal of Computer Applications, Volume 96, No. 4, June2014, pp.16781-6365, ISSN:973-93-80882-24-0. "Acoustic Noise Classification and Characterization Using Statistical Properties", International journal of Emerging Technology and Advanced Engg,. ISSN 2250-2459, ISO9001:2008, vol. 4 ,Issue6, June2014 . "Intelligibility Of Speech Using ShortTime Fourier Transform Phase Spectrum" International Journal of Applied Engineering Research ISSN 0973-4562 Volume 10, Number18 , pp 39550-39557 , 2015 (ScopusIndexed Journal). "EEG Based Patient Monitoring System for Mental Alertness Using Adaptive Neuro- Fuzzy Approach," Journal of Medical and Bioengineering,Vol.4,No.1,pp.59-66, February2015.Doi:10.12720/jomb.4.1.59-66. "Effectof0dBand20dBVehicleNoiseon

	StutteredSpeech:AStudy,"*International Journal of* Computer Application,2 015(1):19-23, May2015. http://www.ijcaonline.org/proceedings/icctac2015/number1/20920-2007 **"DecodingBabyTalk:BasicApproachfor NormalClassification of InfantCrySignal," *International Journal of* Computer Application, 2015(1): 24-26, May 2015. http://www.ijcaonline.org/proceedings/icctac2015/number1/20921-2008** "**Energy Efficient VLSI Architecture for Image Enhancement Application"** International Journal of Applied Engineering ResearchISSN0973-4562Volume10,Number 20 (2015) pp 41413-41418 © Research India Publications. http://www.ripublication.com,**IJAER, SCOPUS INDEXED JOURNAL.** **"IMAGETRANSMISSIONINOFDM USING M-ARY PSK MODULATIONSCHEMES –A COMPARITIVE STUDY," International Journal of Research in EngineeringandTechnology,e-ISSN 2319-1163,** **" EEG Based Emotion Recognition Using Wavelets andNeuralNetworks Classifier", In: Cognitive Science and Artificial Intelligence. Springer Briefs in Applied Sciencesand Technology. Springer, Singapore, 23 December 2017 .PP 101 -112 https://link.springer.com/chapter/10.1007/978-981-10-6698-6_10** **" AnAlgorithmto Detect EmotionStates and Stress Levels Using EEG Signals", International Journal of Latest Research inEngineeringandTechnology(IJLRET) ISSN:2454-5031www.ijlret.com‖PP.05-12,**

	December2017. **http://www.ijlret.com/Papers/NC3PS2017/2.pdf** **"Region of interest based selective medical imageencryptionusing multichaoticsystem"** International Conference on Electrical, Electronics, Communication, Computer Technologies and Optimization Techniques (ICEECCOT-2017) in association with IEEE Bangalore section organized by GSSS Institute ofEngineeringTechnologyforWomen,Mysuru held on 15th-16thDecember 2017. **"DetectionofHumanemotionsusingfeatures based on discrete wavelet transform of EEG signals"** InternationalConference onEmerging Trends in Science & Technologies for Engineering Systems, Dept. of ECE/TCE/EEE, SJCIT, Chickballapur, 11th& 12t January 2018. (**Scopus Indexed Journal)** **"Impulse Noise Cancellation in an OFDM system transmitting Medical Images using dual transform& geometric adaptive filter**" InternationalConferenceonemergingTrendsin Science&technologiesforEngineeringSystems (IJARTET) held on 11th& 12th January2018. **"Real Time implementation of Alertin and Tracking System for Chain Snatching"** Published in e-journal-International Journal for Science and Advance Research in Technology (IJSART), May 2019. **"Studentriskidentificationlearningmodel using machine learning approach"** PublishedinInternationalJournalofElectrical and Computer Engineering,October2019. **"StudentRiskIdentificationModelUsing Random Forest Algorithm"** Published in European Journal of Molecular & Clinical Medicine (ISSN 2515-8260 Volume 07, Issue08)December 2020
Master	Completed
Ph.D	Completed

Projects Carried Out	01
Patents(Filled &Granted)	01
Technology Transfer	-

FEE

DETAILSOFFEE,ASAPPROVEDBYSTATEFEECOMMITTEE,FORTHE INSTITUTION

TimescheduleforpaymentofFeefortheentireProgramme

A.Y	Duration(Inmonths)
2024-25	Course Duration: 4 years , 8 Semesters (Fee will be collected every year during startingofAcademicyear.Permissibleto pay within one month of starting of Academicyearinspecialcases
2023-24	Course Duration: 4 years , 8 Semesters (Fee will be collected every year during startingofAcademicyear.Permissibleto pay within one month of starting of Academic year inspecialcases
2022-23	Course Duration : 4 years , 8 Semesters (Fee will be collected every year during startingofAcademicyear.Permissibleto pay within one month of starting of Academicyearinspecialcases
2021-22	Course Duration4 years , 8 Semesters (Fee will be collected every year during startingofAcademicyear.Permissibleto pay within one month of starting of Academicyearinspecialcases

No.of Fee waivers granted with amount and name of students

A.Y	No. Of Students	Sanctioned Amount
2020-21	24	2,35,000
2021-22	11	1,40,000
2022-23	20	1,40,000/-
2023-24	23	2,84,000/-

Academic Year:2020-21					
Sl. No.	**NameoftheStudent**	**USN**	**Total demand**	**Concession Amount**	**Concession Given by**
1	SRIVATSAR	1VK20CV017	55000	10000	JES
2	NITHIND	1VK20CV011	75000	10000	JES
3	ARCHANAB	1VK20AI004	90000	10000	JES
4	JAHNAVIGOWDAAM	1VK20AI012	80000	10000	JES
5	GRACEMARYBK	1VK20AI008	80000	10000	JES
6	INCHARA P	1VK20AI010	80000	10000	JES
7	DEEPASHREE R	1VK20IS010	80000	10,000	JES
8	ABHILASHAC	1VK20CS003	80000	10000	JES
9	TEJASV	1VK20EC015	90000	10000	JES
10	VINUTHAV	1VK20IS039	90000	10000	JES
11	SUNILBK	1VK20EC023	90000	10000	JES
12	SAHANAN	1VK19CS040	90000	10,000	JES
13	GAGAN N	1VK19CS017	115000	10,000	JES
14	DARSHANC GOWDA	1VK19CS013	115000	10000	JES
15	UDAYHS	1VK18CS054	90000	10000	JES
16	KEERTHIBHATM	1VK20CV400	95340	10,000	JES
17	SAGARN	1VK16EC401	61000	10,000	JES
18	PAVANRV	1VK16ME027	71000	10000	JES
19	ANILKUMARSK	1VK17CS004	101000	10,000	JES
20	HARSHITHAH N	1VK17CS018	81000	10,000	JES
21	SUMA KS	1VK17CS062	91000	10,000	JES
22	NITISHREDDY	1VK16CS045	102000	10000	JES
23	SHASHANKBSHETTY	1VK16ME037	75000	5000	JES
24	POOJABR	1VK16CS050	100000	10000	JES
			Total	**235000**	

Academic Year:2021-22					
Sl. No.	**Name of the Student**	**USN**	**Total demand**	**Concession Amount**	**Concession Given by**
1	HARSHITHKUMARH	1VK21EC012	80000	10000	JES
2	VARSHINIBN	1VK21EC023	90000	10000	JES
3	VARUNV	1VK21CS087	140000	40000	JES
4	KUSHALV	1VK21CS035	140000	10000	JES
5	MANOJV	1VK21IS025	110000	10000	JES
6	AMRUTHAS	1VK21CS003	90000	10000	JES
7	ARCHANAB	1VK20AI004	100000	10000	JES
8	DEEPASHREE R	1VK20IS010	100000	10000	JES
9	SAHANAN	1VK19CS040	90000	10000	JES
10	DARSHANC GOWDA	1VK19CS013	115000	10000	JES
11	SONUKCHRISTY	1VK18CS048	101500	10000	JES
Total				**1,40,000/-**	

Academic Year: 2022-23					
Sl. No.	**Name of the Student**	**USN**	**Total demand**	**Concession Amount**	**Concession Given by**
1	SHALINITR	1VK22EC043	80000	10000	JES
2	SOWMYASJIDAGI	1VK22EC047	80000	10000	JES
3	GAGANAKEERTHIG	1VK22CS024	170000	10000	JES
4	TEJASGOWDAM	1VK22IS057	70000	10000	JES
5	JAYANTHBV	1VK22IS021	150000	10000	JES
6	NIHARIKA P	1VK22IS038	150000	10000	JES
7	KEERTHANAKR	1VK22IS026	150000	10000	JES
8	NITHINGOWDAMS	1VK22AI025	120000	10000	JES
9	GOWTHAMS	1VK22AI013	120000	10000	JES
10	NAGENDRAM	1VK22ME005	55000	10000	JES
11	AKASHMP	1VK22ME004	55000	10000	JES
12	VARSHINIBN	1VK21EC023	80000	10000	JES
13	KUSHALV	1VK21CS035	140000	10000	JES
14	PALLAVIR	1VK21IS032	110000	10000	JES
Total				**140000**	

AcademicYear:2023-24					
Sl. No.	**Name of the Student**	**USN**	**Total demand**	**Concession Amount**	**Concession Given by**
1	ANANDA B H	1VK23EC005	120000	10000	SECRETARY, JES
2	ARJUN P	1VK23EC009 (CET)	123265	10000	SECRETARY, JES
3	ANUSHA V	1VK23CS008	210000	10000	PRINCIPAL
4	ANANYA H	1VK23CS006 (CET)	123265	19000	JES
5	SHASHANK K N	1VK23IS047	175000	10000	PRINCIPAL
6	YASHASHWINI R	1VK23IS062	175000	10000	PRINCIPAL
7	MANASA N	1VK23IS029	160000	10000	PRESIDENT,JES
8	KISHORE S	1VK23IS026	160000	10000	SECRETARY, JES
9	HEMANTH ARADHYA	1VK23IS018	160000	10000	SECRETARY, JES
10	VARSHINI M C	1VK23IS059 (CET)	123265	10000	PRINCIPAL
11	NISARGA P	1VK23AI035	130000	10000	PRINCIPAL
12	POOJITHA U	1VK23AI037	130000	10000	PRINCIPAL
13	ULLAS R GOWDA	1VK23AI056	130000	10000	SECRETARY, JES
14	HARIDRA A V	1VK23AI013	150000	10000	PRINCIPAL
15	SHALINI T R	1VK22EC043	80000	10000	PRESIDENT,JES
16	SOWMYA S JIDAGI	1VK22EC047	80000	10000	PRESIDENT,JES
17	NIRANJAN N	1VK22CS049	180000	10000	PRESIDENT,JES
18	HARSHITHA K C	1VK22IS018	150000	10000	PRESIDENT,JES
19	KUSHAL V	1VK21CS035	140000	10000	SECRETARY, JES
20	VARUN V	1VK21CS087	100000	50000	SECRETARY, JES
21	PALLAVI R	1VK21IS032	100000	10000	SECRETARY, JES
22	SUNIL N	1VK18CV021	91500	5000	SECRETARY, JES
23	ARCHANA B	1VK20AI004	101500	20000	SECRETARY, JES
	TOTAL in Rs.			**2,84,000**	

Number of scholarships offered by the Institution, duration and amount

A.Y	Number of Scholarship offered	Duration(In Years)	Amount(Rs)
2020-21	-	-	-
2021-22	21	1	3,15,000/-
2022-23	20	1	3,15,000/-
2023-24	26	1	3,90,000/-

Estimated cost of boarding and Lodging in Hostels

A.Y	Estimated cost of boarding and Lodging (Rs)
2021-22	Boy'sHostel–Rs.60,000/-P.A Girl'sHostel-Rs.55,000/P.A
2022-23	Boy's Hostel –Rs. 65,000/-P.A Girl's Hostel-Rs. 60,000/ P.A
2023-24	Boy's Hostel –Rs. 65,000/-P.A Girl's Hostel-Rs. 60,000/ P.A
2024-25	Boy's Hostel –Rs. 85,000/-P.A Girl's Hostel-Rs. 65,000/ P.A

Admission

Numberofseatssanctionedwiththeyearofapproval&No.ofStudentsadmittedunder various Categories each year in the last three years

Programme Level	NameofProgramme/ Course	No.OfSeats Sanctioned For2023-24	No. of students admitted		
			2024-25	2023-24	2022-23
UG	Electronics& CommunicationEngineering	60	57+06	57+1(SNQ)	58+1(SNQ)
	ComputerScienceand Engineering	90	115+08	75+4(SNQ)	90+4(SNQ)
	InformationScienceand Engineering	60	44+06	59+3(SNQ)	60+3(SNQ)
	MechanicalEngineering	30	07+01	3+1(SNQ)	4+2(SNQ)
	CivilEngineering	60	06+01	1+2(SNQ)	-
	ArtificialIntelligence& MachineLearning	60	75+05	58+3(SNQ)	41+3(SNQ)
	Total	360	304+27	267	266
Ph.D	Electronics& Communication Engineering			0	0
	ComputerScienceand Engineering	-		-	2
	Mechanical Engineering	-		-	1
	CivilEngineering	-		-	-
	Mathematics	-		-	
	Chemistry	-		-	-

NumberofapplicationsreceiveddueringlastyearforadmissionunderManagementQuota and Number ofStudents admitted

ApplicationReceived:85

Admitted:71

AdmissionProcedure

Mentiontheadmissiontestbeingfollowed,nameandaddressoftheTestAgency/State Admission Authorities and its URL(website).

Admission test Name	Address	URL
KEA/CET	Karnataka Examination Authority, Sampige Road, 18thCross, Malleshwaram, Bengaluru -560 012Phone No. 080 - 23460460	https://cetonline.karnataka.gov.in/kea/
COMED-K	#132,SecondFloor,11thMain, 17thCross, Malleswaram, Bangalore-560 055	https://www.comedk.org/

No. Of Students allotted different Test qualified Candidate separately (AIEEE/JEE/CET/State Conducted Test/University Test (CMAT)/Association conducted Test etc.

AdmissionsCurrentAcademicyear2024-25

Branch	**KEA**	**Comed-K**	**Total**
Electronics&Communication Engineering	46	-	46
ComputerScience&Engineering	111	-	111
Information Science & Engineering	29	-	29
ArtificialIntelligence&Machine Learning	40	-	40
CivilEngineering	04	-	04
MechanicalEngineering	02	-	02
Total	**232**	**-**	**232**

CalendarforadmissionagainstManagementQuotaSeats

The probable date is from July to October (Based ontheAvailability ofSeats)

Last Date of Request for Applications

21-10-2024(AsperAICTE)forthe year2024-25

Last Date for Submission of applicants

21-10-2023(As Per AICTE) for the year2024-25

Datesforannouncingfinalresults–**Asperthepresprescribeddateannouncedfrom Competent Authority**

Release of admission list: **Main list and waiting list shall be announced on the same day**

Date of Acceptanceby the candidate-**As per date announced by Approval authorities from time to time.**

Last date for Closing of Admission:AsPrescribedbyAICTE/VTU/GOK starting of

the academic session: As Prescribed by AICTE/ VTU

CriteriaandWeightages for Admission

Describeeachcriterionwithitsrespectiveweightagei.e.AdmissionTest,marksinqualifying examination, etc.,

As per Govt. Norms

Mention the minimum Level of Acceptance, if any

As pe rGovt. Norms

Results of Admission under Management Seats/Vacant Seats

List of Candidates who have been offered admission

Electronics & Communication Engineering

1	AHMED PASHA
2	AKASH N
3	AKSHAY KUMAR S
4	ARCHANA R J
5	B VISHNU
6	DHANUSHREE B V
7	HARSHA V
8	HINDHUJA K
9	KARTHIKEYA G U

10	KIRAN M N
11	KUSHVANTH M G
12	M BHAGYASHREE
13	MINCHANA B A
14	NANDINI K
15	PAVITRA K V
16	RAJESH VISHWANATH HEGDE
17	SUMUKH R
18	HINDHUJA K
19	KARTHIKEYA G U
20	KIRAN M N

Computer Science & Engineering

1	CHANDAN GOWDA
2	CHANDANA H R
3	CHANDRIKA G
4	DEEPAK
5	ESHAN GOWDA C
6	GANESHA N
7	NANJUNDA SWAMY
8	NAVEEN KUMAR
9	PRAGATHI N D
10	VISHWAS KILERI E
11	VYSHANVI P
12	YEDOTI VAMSI KRISHNA

Information Science & Engineering

1	ABHILASH M S
2	AISHWARYA J S
3	ANKITHA G K
4	BADARI BATI
5	BHAGYASHREE
6	BHOOMIKA B S
7	CHINMAYEE M
8	GAUTHAM D DIXITH
9	HITHA S
10	JEEVAN S
11	LIKHITH M A
12	NAVYA P
13	NITHIN H S
14	PRAJWAL C M
15	PRIYADARSHINI R
16	RADHIKA KUMAWAT
17	RAJESHWARI S
18	SUKANTH M
19	SWAROOP
20	TARUN KUMAR M
21	VARSHINI M L
22	ABHILASH M S

Artificial Intelligence & Machine Learning

1	ADARSH R
2	ANUGRAHA JAYARAJ
3	BHARATH M
4	BHAVANA S G

5	BHUMESH RATHORE
6	DIVYA K S
7	GAGAN G Y
8	GAUTHAMI BHARADWAJ N
9	HAMSINI K N
10	HANSIKA JHA
11	HARRY JOSHUA R
12	HARSHITH BABU
13	JEESHNU Y
14	KARANAM LATHEESH
15	KEERTHANA R
16	KRISHNA PRASAD K G
17	KUSHAL SHANKAR U
18	M R ANUSHA
19	MAHENDRA SINGH D
20	MANUSHREE R
21	MEGHASHYAM V BHARADHWAJ
22	NAYANA H S
23	NIHARIKA H L
24	NIVEDHA S
25	PAVAN B J
26	PRAJWAL M IYER
27	PRANAV CHANDRA P
28	PUNEETH M
29	RAKESH G
30	ROHITH Y P
31	S RAKSHITHA
32	SAHANA H S

33	SANJANA S
34	SHIVASHANKAR C N
35	SINCHANA S
36	SREENIVASAA R
37	SWAPNA A M
38	THRISHA A
39	VENKATESH R
40	VIJAY D

Mechanical Engineering

Sl. No	Name of the Student
1	CHETAN K
2	DHUSHYANTH R REDDY
3	MAHADEVA PRASAD M
4	NIKHIL GOWDA N R
5	PAVAN NAIK C R

Civil Engineering

Sl. No	Name of the Student
1	DHANUSHREE R
2	SAMARTH N S
3	SANJANA

Information on Infrastructure and Other Resources Available No.Of Class Rooms, Laboratories, Tutorial Rooms, Drawing hall with carpet Area

Sl. No.	Block	Floor	Room No	BLOCK	Area	Description
			1	ADMINISTRATIONBLOCK	653	ADMN
			2	LIBRARYBLOCK	523	LIB
			3	SEMINARHALL	245	SMH

			4	ELECTRONICS ENGINEERINGBLOCK	1396	EC
			5	TELECOMMUNICATION ENGINEERING BLOCK	586	TE
			6	COMPUTER SCIENCE ENGINEERINGBLOCK	3356	CS
			7	CIVILENGINEERINGBLOCK	1686	CV
			8	MECHANICAL ENGINEERING BLOCK	2077	ME
			9	SPORTSCOMPLEX	464.68	SC

			10	ESTATEOFFICE	87	EO
			11	GUESTHOUSE	174	GH
			12	BOYSHOSTEL	13.31	BYH
			13	CANTEEN	307.47	CAN
			14	SECURITY	3	SE
Sl No	Block	Floor	**Room no**	DESCRIPTION	Type	CARPET AREA SQM
		FIRST	ADM-101	HALL-1	INSTRUCTIONAL	281
			ADM-102	HALL-2	INSTRUCTIONAL	294
			ADM-103	PLACEMENTOFFICE	INSTRUCTIONAL	87
			ADM-104	INTERVIEWCHAMBERS	INSTRUCTIONAL	50
		SECOND	ADM-201	PHYSICSLAB	INSTRUCTIONAL	160
			ADM-202	CHEMISTRYLAB	INSTRUCTIONAL	140
			ADM-203	ROOMR.DCENTER	INSTRUCTIONAL	20
			ADM-204	LECTURERHALL	INSTRUCTIONAL	66
			ADM-205	LECTURERHALL	INSTRUCTIONAL	66
			ADM-206	LECTURERHALL	INSTRUCTIONAL	66
			ADM-207	LECTURERHALL	INSTRUCTIONAL	86
			LIB-002	ACQUISITION /ISSUE COUNTER	INSTRUCTIONAL	22

			LIB-003	BOOK STORE	INSTRUCTIONAL	264
			LIB-004	DIGITALLIBRARY	INSTRUCTIONAL	86
			LIB-006	READINGROOM	INSTRUCTIONAL	62
			LIB-102	HALL-3	INSTRUCTIONAL	351
			LIB - 102A	ROOM	INSTRUCTIONAL	45
			LIB-101	TECHNICALJOURNALS	INSTRUCTIONAL	86
			LIB-203	LECTURERHALL	INSTRUCTIONAL	88
			LIB-204	LECTURERHALL	INSTRUCTIONAL	70
			LIB-205	LECTURERHALL	INSTRUCTIONAL	70
			LIB-202	LANGUAGELAB	INSTRUCTIONAL	70
		First	SMH-101	CADDLAB	INSTRUCTIONAL	123
			SMH-102	CCP/COMPUTERCENTER	INSTRUCTIONAL	123
			SMH-201	LECTURERHALL	INSTRUCTIONAL	66
			SMH-202	LECTURERHALL	INSTRUCTIONAL	66
			SMH-204	LECTURERHALL	INSTRUCTIONAL	66
			SMH-205	LECTURERHALL	INSTRUCTIONAL	66
	ECE	Ground	EC-001	LECTURERHALL	INSTRUCTIONAL	66

			EC-002	LECTURERHALL	INSTRUCTIONAL	66
			EC-005	LECTURERHALL	INSTRUCTIONAL	66
			EC-006	LECTURERHALL	INSTRUCTIONAL	66
			EC-103	ANALOG ELECTRONIC CIRCUIT/LOGIC DESIGN LAB	INSTRUCTIONAL	200
		Second	EC-202	LECTURERHALL	INSTRUCTIONAL	66
			EC-203	HDL/EMBEDDEDLAB	INSTRUCTIONAL	100
			EC - 203A	VLSI/CCNLAB	INSTRUCTIONAL	100
		Third	EC-302	LECTURERHALL	INSTRUCTIONAL	66
			EC-303	LECTURERHALL	INSTRUCTIONAL	66
			EC-304	LECTURERHALL	INSTRUCTIONAL	90
			EC-305	LECTURERHALL	INSTRUCTIONAL	66
	TE	Basement	TE-B-003	LAB	INSTRUCTIONAL	130
			TE - B002	LAB	INSTRUCTIONAL	66
		Ground	TE-001	LECTURERHALL	INSTRUCTIONAL	66
			TE-002	LECTURERHALL	INSTRUCTIONAL	66
			TE-005	LECTURERHALL	INSTRUCTIONAL	66
			TE-006	LECTURERHALL	INSTRUCTIONAL	66

		First	TE-104	DSP/MPLAB	INSTRUCTIONAL	66
			TE-102	LECTURERHALL	INSTRUCTIONAL	66
			TE-103	LECTURERHALL	INSTRUCTIONAL	66
			TE-104	LECTURERHALL	INSTRUCTIONAL	90
		Second	TE-202	LECTURERHALL	INSTRUCTIONAL	66
			TE-203	LAB	INSTRUCTIONAL	225
		Third	TE-302	LECTURERHALL	INSTRUCTIONAL	66
			TE-303	LECTURERHALL	INSTRUCTIONAL	66
			TE-304	LECTURERHALL	INSTRUCTIONAL	90
			TE-305	LECTURERHALL	INSTRUCTIONAL	66
			CS-004	MACHINE LEARNING / SYSTEM SOFTWARE AND OPERATINGSYSTEMLAB	INSTRUCTIONAL	85
			CS - 004A	COMPUTER NETWORK/ DESIGN AND ANALYSIS OF ALGORITHM LAB	INSTRUCTIONAL	85
			CS-006	WEB TECHNOLOGY/COMPUTER GRAPHICS LAB	INSTRUCTIONAL	85
			CS - 006A	DBMS/SOFTWARE TESTING LAB	INSTRUCTIONAL	85
			CS-007	DATASTRUCTURE/MPLAB	INSTRUCTIONAL	85
			CS - 007A	FS/PROJECTLAB	INSTRUCTIONAL	85

			CS-008	LECTURERHALL	INSTRUCTIONAL	66
		First	CS-101	LECTURERHALL	INSTRUCTIONAL	66
			CS-102	LECTURERHALL	INSTRUCTIONAL	66
			CS-103	TUTORIALROOM	INSTRUCTIONAL	33
			CS-104	LECTURERHALL	INSTRUCTIONAL	66
			CS-106	RESEARCHCENTER	INSTRUCTIONAL	170
			CS-107	VGSTLAB	INSTRUCTIONAL	170
			CS-108	ANALOG AND DIGITAL ELECTRONICS LAB	INSTRUCTIONAL	170
			CS-111	LECTURERHALL	INSTRUCTIONAL	66
			CS-112	LECTURERHALL	INSTRUCTIONAL	66
		Second	CS-201	LECTURERHALL	INSTRUCTIONAL	66
			CS-203	LECTURERHALL	INSTRUCTIONAL	66
			CS-204	LECTURERHALL	INSTRUCTIONAL	66
			CS-202	LADIESTOILETS	INSTRUCTIONAL	40
			CS-207	LECTURERHALL	INSTRUCTIONAL	85
			CS-208	EDUSAT	INSTRUCTIONAL	170
			CS-209	DEPARTMENTLIBRARY	INSTRUCTIONAL	85

			CS-211	LECTURERHALL	INSTRUCTIONAL	66
			CS-213	LECTURERHALL	INSTRUCTIONAL	66
			CS-214	LECTURERHALL	INSTRUCTIONAL	66
	CV	Basement	CV - B001	CADLAB	INSTRUCTIONAL	126
			CV - B002	FLUIDMECHANICSLAB	INSTRUCTIONAL	176
			CV - B003	CONCRETELAB	INSTRUCTIONAL	107
			CV - B004	HIGHWAYLAB	INSTRUCTIONAL	107
		Ground	CV-001	GEOLOGYLAB	INSTRUCTIONAL	83
			CV - 001A	SURVEYSTORE	INSTRUCTIONAL	83
			CV-002	ENVIRONMENTAL ENGG. LAB	INSTRUCTIONAL	126
			CV-003	GEOTECHLAB	INSTRUCTIONAL	126
			CV-102	DRAWINGHALL	INSTRUCTIONAL	136
			CV-103	LECTURERHALL	INSTRUCTIONAL	126
			CV-105	LECTURERHALL	INSTRUCTIONAL	78
			CV-106	LECTURERHALL	INSTRUCTIONAL	78
	ME	Basement	ME - B001	MATERIALTESTINGLAB	INSTRUCTIONAL	230
		Ground	ME-003	MACHINESHOP	INSTRUCTIONAL	210

			ME-001	ENERGYCIVERSIONLAB	INSTRUCTIONAL	110
			ME-004	LECTURER HALL/RESEARCH CENTER	INSTRUCTIONAL	72
		First	ME-101	LAB	INSTRUCTIONAL	160
			ME-103	LECTURERHALL	INSTRUCTIONAL	72
			ME-105	LECTURERHALL	INSTRUCTIONAL	72
		Second	ME-201	CADLAB	INSTRUCTIONAL	130
			ME-202	LAB	INSTRUCTIONAL	72
			ME -202A	LAB	INSTRUCTIONAL	72
			ME -202B	LAB	INSTRUCTIONAL	72
	Work shop		ME-005	WORKSHOPBLOCK	INSTRUCTIONAL	200
			ME-006	FOUNDORY & FORGING LAB BLOCK	INSTRUCTIONAL	200

CentralExaminationfacility-Numberofroomsandcapacity ofeach**Roomwith30 Capacity**

Onlineexamination facility -Available-No.Of Nodes-200,InternetbandWidth etc.-**300 Mbps**

BarrierfreeBuiltEnvironmentfordisabledandelderlypersons-**Available** Fire

and Safety Certificate - Not Available

Hostelfacilities-**HostelAvailableforbothGirls&Boyswithincampus List**

of Major Equipment /Facilities in each Laboratory/Workshop List of

Experimental Setup in each Laboratory

Computing Facilities: Available

InternetBandWidth:300MBPS

Innovation Cell: Available

SocialMediaCell:Available

ComplianceoftheNationalAcademicDepository(NAD),applicableto PGCM/PGDM Institution and University Dept.

Games & Sports facilities -Available

Information ofInfrastructureandLibrary:

- Number of Library books/Titles/Journals available (Programme-wise)

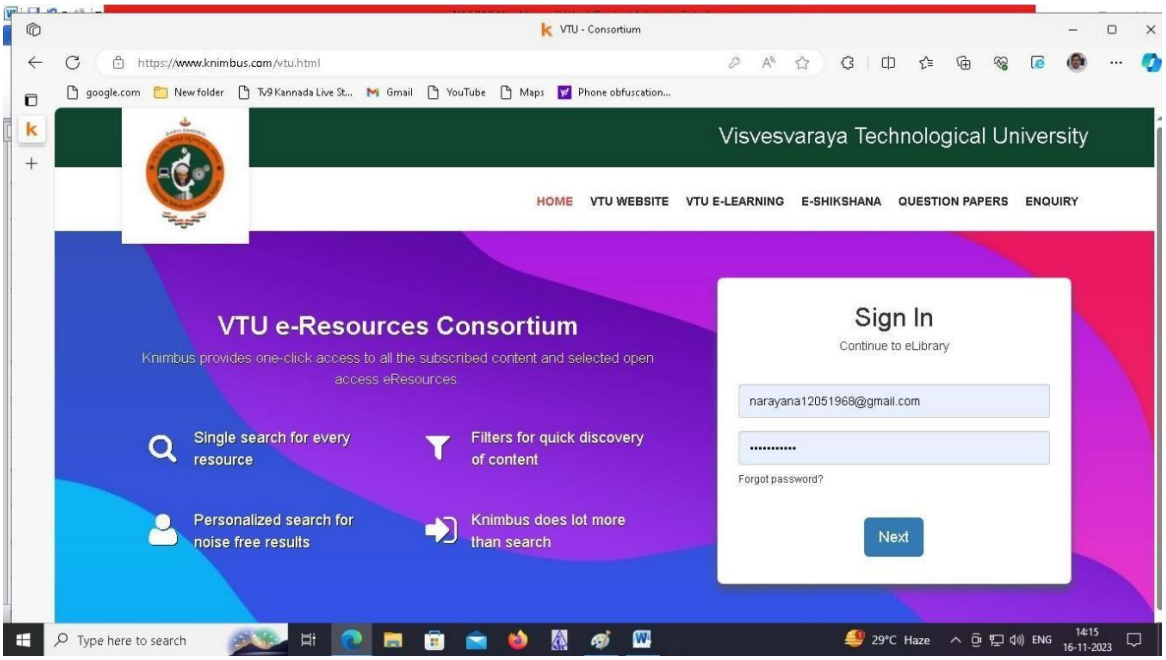
SL. No.	Branch	No.Books	No.Of Titles	No.OfJournals
1	E&CE	9824	2188	**Subscribed VTU Consortium 11261+**
2	CS&E	5456	1551	
3	IS&E	4135	946	
4	ME	1181	393	
5	CE	1564	427	
6	AI&ML	491	234	
7	BSH	3263	751	
Total		**27190**	**6490**	

- Listofonline National/InternationalJournals subscribed-

  ThroughSubscribedVTUConsortium

- E-Libraryfacilities

  Yes,E-LibraryfacilitiesavailableinVKITlibraryThrough–K-Nimbus Digital library platform (Subscribed VTU Consortium)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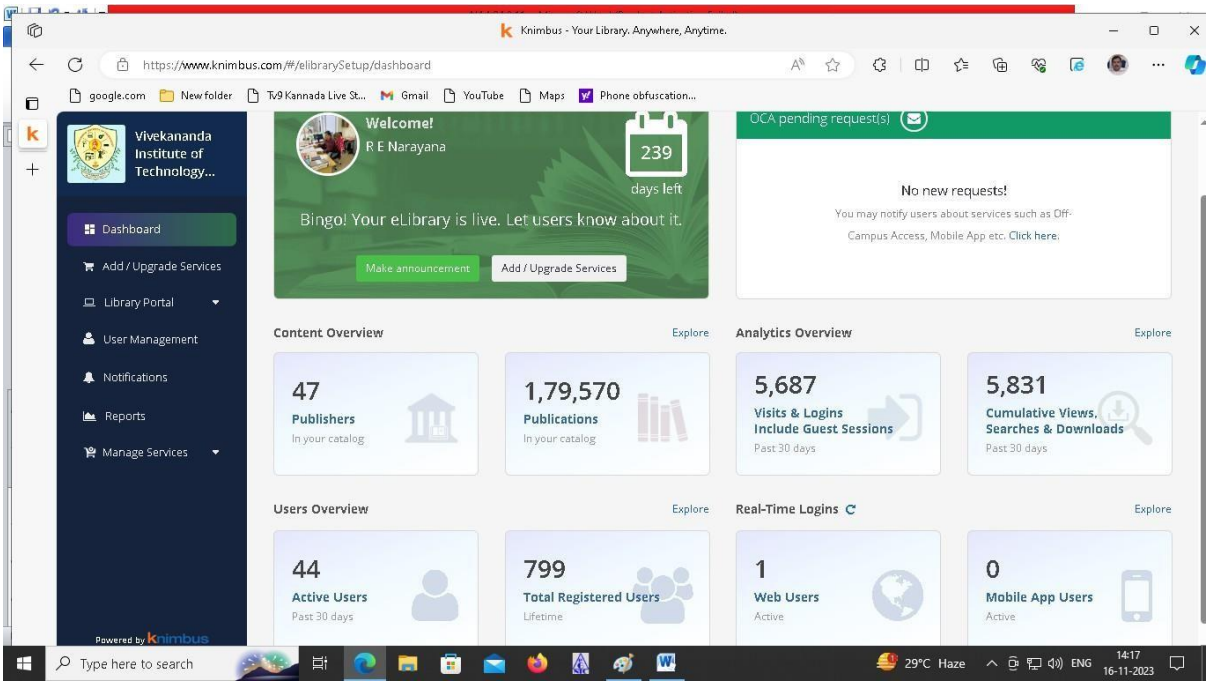
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Make announcement
Add / Upgrade Services
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5,687
Visits & Logins
Include Guest Sessions
Past 30 days
5,831
Cumulative Views, Searches & Downloads
Past 30 days
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44
Active Users
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Lifetime
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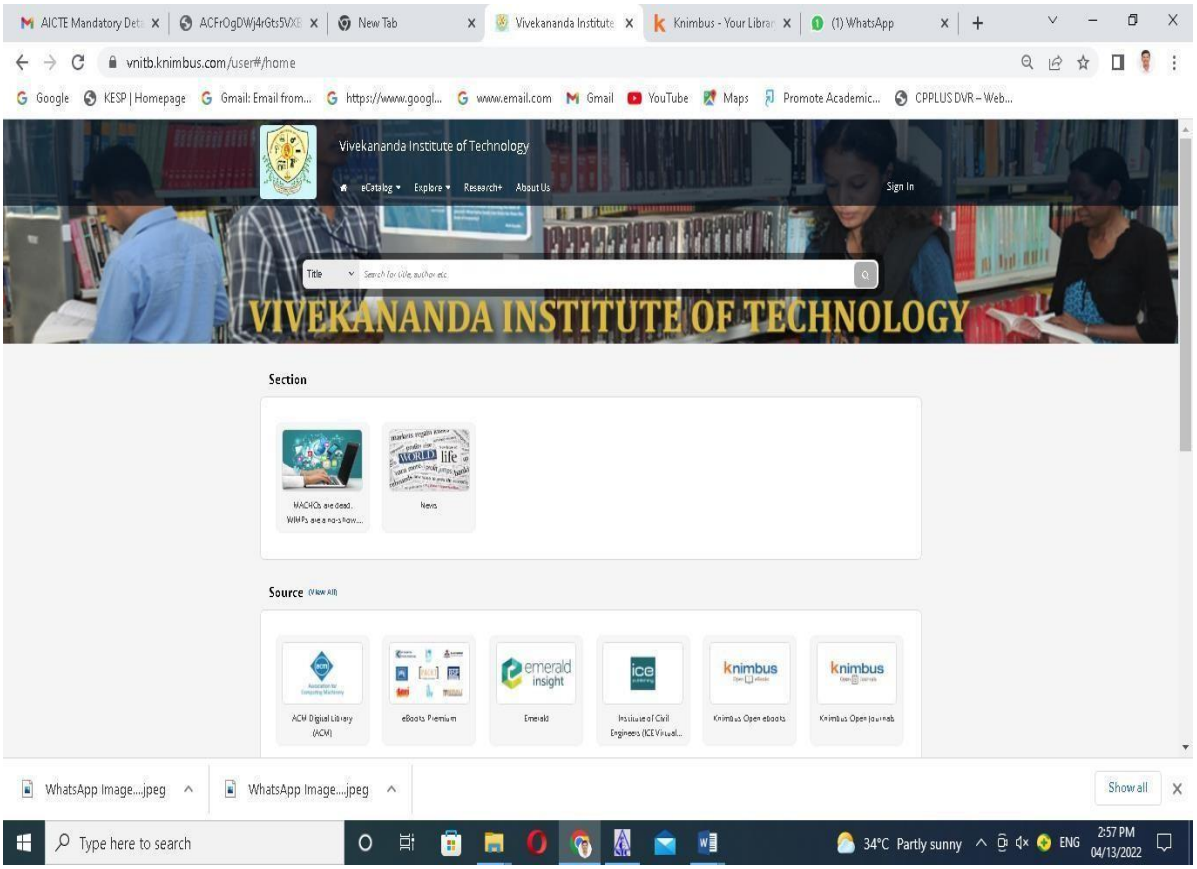
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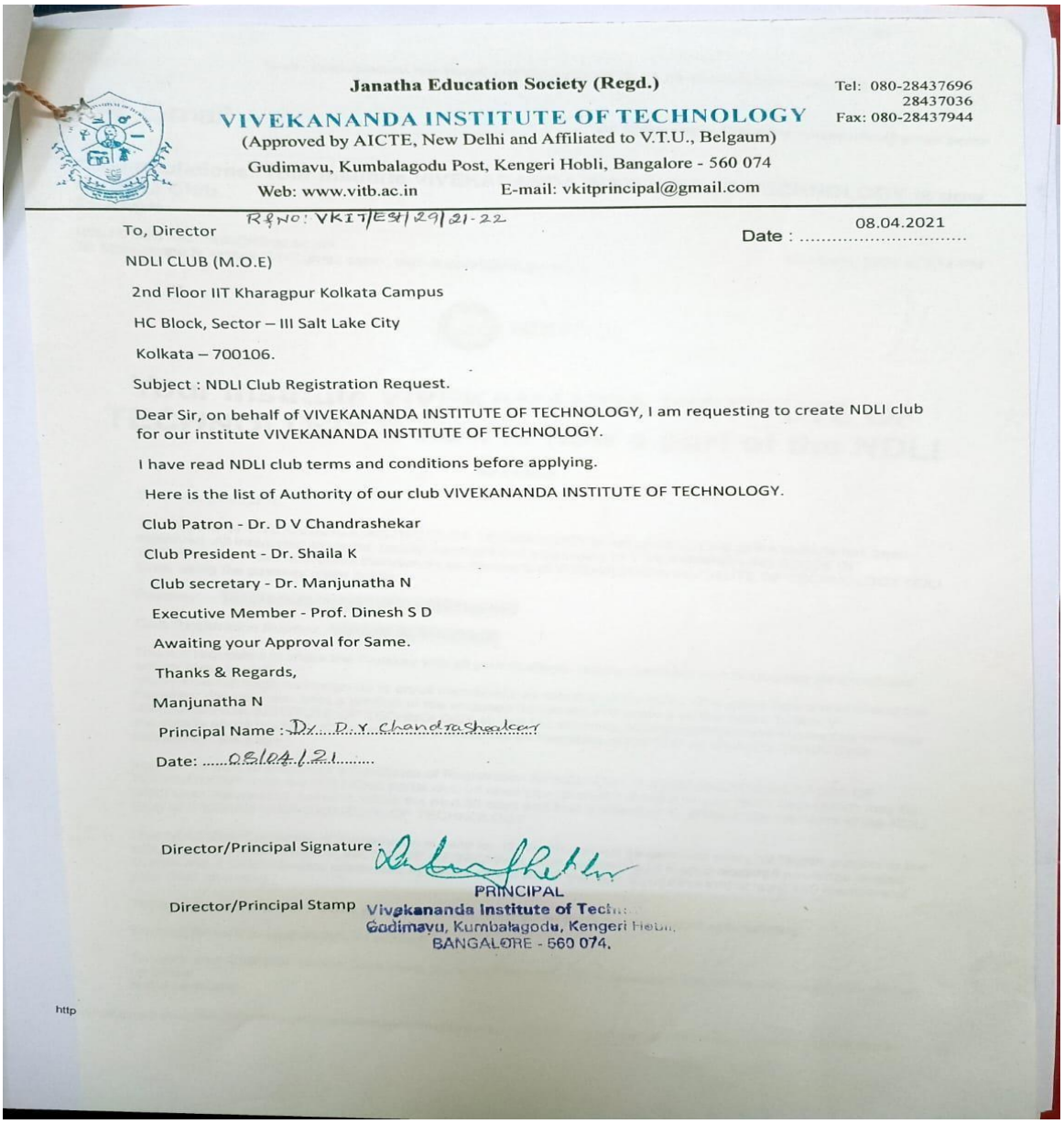

Janatha Education Society (Regd.)

VIVEKANANDA INSTITUTE OF TECHNOLOGY

(Approved by AICTE, New Delhi and Affiliated to V.T.U., Belgaum)

Gudimavu, Kumbalagodu Post, Kengeri Hobli, Bangalore - 560 074

Web: www.vitb.ac.in E-mail: vkitprincipal@gmail.com

Tel: 080-28437696
28437036
Fax: 080-28437944

R&NO: VKIT/ES/29/21-22

To, Director

Date : 08.04.2021

NDLI CLUB (M.O.E)

2nd Floor IIT Kharagpur Kolkata Campus

HC Block, Sector – III Salt Lake City

Kolkata – 700106.

Subject : NDLI Club Registration Request.

Dear Sir, on behalf of VIVEKANANDA INSTITUTE OF TECHNOLOGY, I am requesting to create NDLI club for our institute VIVEKANANDA INSTITUTE OF TECHNOLOGY.

I have read NDLI club terms and conditions before applying.

Here is the list of Authority of our club VIVEKANANDA INSTITUTE OF TECHNOLOGY.

Club Patron - Dr. D V Chandrashekar

Club President - Dr. Shaila K

Club secretary - Dr. Manjunatha N

Executive Member - Prof. Dinesh S D

Awaiting your Approval for Same.

Thanks & Regards,

Manjunatha N

Principal Name : Dr. D.V Chandrashekar

Date: 08/04/21

Director/Principal Signature :

Director/Principal Stamp

PRINCIPAL
Vivekananda Institute of Tech...
Gudimavu, Kumbalagodu, Kengeri Hobli,
BANGALORE - 560 074.

http

Gmail

Dr. Manjunatha Gowda N <manjulibn@gmail.com>

Congratulations! Your Institute VIVEKANANDA INSTITUTE OF TECHNOLOGY is now an NDLI Club.

2 messages

NDLI CLUB <ndl.club@iitkgp.ac.in> Fri, Apr 9, 2021 at 5:14 PM
To: Manjunatha N <manjulibn@gmail.com>, club-support@ndl.gov.in

NDLI Club

Your Institute VIVEKANANDA INSTITUTE OF TECHNOLOGY is now is now a part of the NDLI Club

Dear Manjunatha N,

The request of VIVEKANANDA INSTITUTE OF TECHNOLOGY to set up NDLI Club at the institute has been approved. All interested students, faculty members and employees of VIVEKANANDA INSTITUTE OF TECHNOLOGY can now enroll themselves as members of VIVEKANANDA INSTITUTE OF TECHNOLOGY NDLI Club, using the passkey given below:

Passkey: -- **1d3345de-f940-4292-88f6-6c3f82bc8bab**

Club Registration Number : **INKANC5OWKJ2YXO**

You are requested to share the Passkey with all your students, faculty members and employees via e-mail and advise them to visit https://club.ndl.iitkgp.ac.in/sign-up to enroll themselves as member of the NDLI Club using their e-mail id and the Passkey. You may also take a printout of the enclosed document and paste it on the notice boards of VIVEKANANDA INSTITUTE OF TECHNOLOGY so that the students, faculty members and employees can view the details about the NDLI Club and enroll themselves as members of the Club by scanning the QR Code indicated in the page.

You will be able to download a Certificate of Registration for NDLI Club of VIVEKANANDA INSTITUTE OF TECHNOLOGY from the NDLI Club portal club url once you conduct 1st event of your NDLI Club (which may be NDLI User Awareness Session) within the next 30 days and that is attended by at least 100 members of the NDLI Club of VIVEKANANDA INSTITUTE OF TECHNOLOGY.

This NDLI Club Certificate of Registration is valid for 12 Month and will be renewed every 12 Month, subject to the NDLI Club of VIVEKANANDA INSTITUTE OF TECHNOLOGY conducting at least 6 reading/knowledge related Events and 4 Global Events conducted by others online within the next 12 months and at least 100 members of your Club attending .

The best performing NDLI Clubs at District/ State/ National level will be recognized appropriately.

We look forward to your continued support.

To verify your Club role, please Click Here. In case of any difficulty in accessing the above link please click on the url below
Not Applicable

10/4/2021

15.2 LaboratoryandWorkshop

- List of Major Equipment/Facilities in each Laboratory/Workshop

Sl. No.	Department	Laboratory Name	Equipment/FacilitiesDetails	Remarks
1	CSE	**Machine Learning/ System Software& operating System Laboratory**	HPDX2480ModelIntelCore-2Duo2.67 GHz, 160 GB HDD, 1 G B RAM with Keyboard & Mouse (25 No's) HPLaserjet1020Printer(01No's) External LG DVD Sata (01 No's) LGDVD R/W(01No's) EmersonUPS 6KVA(01No's) 42Ah/12VBatteries(16No's)	**LAB:008**
2		**Computer Networks /Designand Analysis of Algorithms Laboratory**	HPDX2480ModelIntelCore-2Duo2.67 GHz, 160 GB HDD, 1 G B RAM with Keyboard & Mouse (25 No's) ExternalLGDVDSata(01No's) CCTV Camera(01 No's) Emerson UPS 6KVA(01 No's) 42 Ah/12 V Batteries (16 No's)	**LAB:008**
3		**WEB TECHNOLOGY LABORATORY WITH MINI PROJECT / COMPUTER GRAPHICS LABORATORY WITH MINI PROJECT/ PROJECTWORK LAB**	DELLDesktopOptiPlex3050, Intel processor 3GHz up to 3.5 GHz , 500GB 7200 rpm Sata Hard Disk 8 GB (2X4 GB) Intel Hd Graphics 630, network interface wlan 802.1 N wireless network card ,18.5" LED monitor USB key Board and optical mouse with Keyboard **30** Numbers. (25 Numbers CPU +Led Monitor Key Board +Mouse). EmersonUPS6KVA(01No's) 42Ah/12VBatteries(16No's)	**LAB:009**
			Total:30	

4		**DBMS LABORATORY WITHMINI PROJECTS/ SOFTWARE TESTING LABORATORY**	DELL Desktop VOSTRO3670(C15/8THG/8GB/1TB/DVD/DOS) LED monitor USB key Board and opticalmouse with Keyboard **30** Numbers. (30 NumbersCPU+LedMonitorKeyBoard +Mouse). EmersonUPS6KVA(01No's) 42Ah/12VBatteries(16No's) **Total:30**	**LAB:009**
5		**COMPUTER PROGRAMMING LABORATORY**	DELL Desktop VOSTRO3670(C15/8THG/8GB/1TB/DVD/DOS) LED monitor USB key Board and opticalmouse with Keyboard **30** Numbers. (30 NumbersCPU+LedMonitorKeyBoard +Mouse). EmersonUPS6KVA(01No's) 42Ah/12VBatteries(16No's) **Total:30**	**LAB:009**
6		**Analog &Digital Electronics Laboratory**	HPDx2000Intel Pentium4,3.0GHz,80 GBHDD,512RAMwithKeyboard& Mouse(10No's) AnalogCRO – 30 MHZ(4No's) Analog&DigitalICTester(01No's) DualPowerSupply–30V/2Amps(04 No's),Millimeter(02No's) DigitalTrainerKitUDT-4002(4mm)(05 No's) FixedPowerSupply(15-0-15)V,1Amp(04 No's) Servocontrolvoltagestabilizer(3KVA)(01 No's) Functiongenerator1MHZ(04No's) EmersonUPS 6KVA(01No's) 42Ah/12VBatteries(16 No's)	**LAB:108**
7		**Research Center**	HP Dx2000 Intel Pentium 4, 3.0 GHz, 80 GB HDD, 512 RAM with Keyboard & Mouse (10 No's) EmersonUPS 6KVA(01No's) 42Ah/12 VBatteries(16 No's)	**LAB:106**

Sl. No.	Department	LaboratoryName	Equipment/FacilitiesDetails	Remarks
	CIVIL ENGINEERING	BUILDING MATERIALS TESTINGLAB	UniversalTestingMachine–100 Tonne Capacity, Impact Testing Machine, Torsion Testing Machine, Brinnell's Hardness Testing Machine, Vicker's Hardness Testing Machine, Rockwell's Hardness Testing Machine,TilesTestingMachine, SieveShaker,DigitalOven,Fine Sieves Made of Brass200mm dia (1 Set), Coarse Sieves of 300mm dia made of GI (3 Set), Pycnometer (8 No's), Graduated Cylinders (50ml, 100ml, 500ml, 1000ml),MetalCylinder(3No's), Tamping Rod (3 No's), Vernier Calipers(5No's), Straingauge(1 No.), Deflectometer (6 No's), Metal Wire basket (5 No's), Polythene Wash Bottle (2 No's), WeighingBalance(6kg–2No's, 10kg–2 no's,15kg– 2No's)	
		SURVEY LAB	Dumpy Level model DL-9 with stand (8 No's), Auto Level with stand (8 No's), Vernier Theodolite with stand (8 No's), Pentax Total station R-205NE with with Accessories (2 No's), Electronic Measurement Device (1 No.), Digital Planimeter (2 No's), Open crossstaff(8No's),OpticalSquare (8 No's), Prism square (2 No's), CeylonGhat tracer (5 No's), Hand Level (1 No.), Surveyor Compass with stand (1 No.), Clinometer Compass withstand(1 No.), Invar tape-15mt.(1No.),Synthetictape (1 No.), Tape-30 mt. (12 No's), Metric Chain-30mt. (12 No's), Engineer'sChain(1No.),Gunter	

			chain-10mt. (1 No.), Revenue chain-20mt. (1 No.), Cloth tape (2 No's), Levelling Staff-5mt. (10 No's), Steel band tape-20mt. (6 No's),Metallictape-15mt.(1No.), Peg(20No's),Boxsextant(1No.), Pantagraph (1 No.), Plane table (8 No's), Ranging rod (40 No's), Arrows(120No's)	
		APPLIED ENGINEERING GEOLOGYLAB	Rock & Mineral samples (80 No's),Gelogicalhammers(5No's), Moh's scale of hardness kit (10 No's), Pocket knife (10 No's), Pocket lense (10 No's), Pocket Magnet (5 No's), streak plates (20 No's), Compass clinometer (2 No's), Streak Plates (20 No's), Geological and Mineral Atlas of India(1No.)	
		HYDRAULICS &HYDRAULIC MACHINERYLAB	Pelton wheel turbine (1 No.), Francis Turbine (1 No.), Kaplan turbine (1 No.), Venturiflume (1 No.), Venturimeter (1 No.), Jet vanes(1 No.), Nozzle Meter (1 No.), Pipe Friction Apparatus (1 No.),Reciprocatingpump(1No.), Multi stage centrifugal pump (1 No.), Notches, Major and minor losses Apparatus (1 No.), Bernoulli's theorem verification apparatus(1No.),Verticalorifice meter(1No.)	
		COMPUTER AIDEDDESIGN LAB	DELL Desktop Computer (25 No's), Dell T20 Edge Server (1 No.), Laserjet Printer (1 No.), MultifunctionPrinter-Scanner(1 No.), AutoCAD Software (25 No's),STAADProV8iSoftware (25No's),EmersonLiebertmake GXTMTSeries10KVAUPS (1 No.)withLeochmakeBatteries-12V, 65AH (20 No's), Epson Projector X18 (1 No.), Prolitewallmount ProjectionScreen-6'x4'	

			(1 No.)	
		GEOTECHNICAL ENGINEERING LAB	Triaxial Shear Apparatus (1 No.), LiquidLimitDevice(Motorized)(3 No's), Shrinkage Limit Apparatus (3 No's), Direct Shear Apparatus (Motorised) (1 No.), Unconfined Compression Test Apparatus (Motorised) (1 No.), Fine Sieves Made of Brass200mm dia (1 Set), Coarse Sieves of 300mm dia madeofGI(1Set),Pycnometer(5 No's), Consolidation Apparatus (Single Gang) (1 No.), Universal Permeability Apparatus (1 No.), VaneShearApparatus(Motorised) (1 No.), Compaction Apparatus (2 No's), Sand Pouring Cylinder (Small) (3 No's), Soil Extruder(Rack Type) (2 No's), CBR Apparatus(Motorised) with 10kN Proving Ring and Dial Gauge (1 No.), Proctor Penetrometer (Spring Type) (2 No's), Swell Test Apparatus (1 No.),ThinWalledSamplingTubes (2 No's), Digital Sieve Shaker (1 No.), Permeability Apparatus (VariableHead)(1No.),SoilCone Penetrometer (3 No's), Plastic LimitDevice(3No's)	
		CONCRETE AND HIGHWAY MATERIALSLAB	Vicat needle apparatus(3 No’s), Le-chartlier’smould(1 No’s), Cementautoclave(1No.),Flexure testing M/C (1 No.), Blaine’s air permeability apparatus (2 No’s), Slump test apparatus (3No’s), Compacting factor apparatus (1 No.), Vee Bee consistometer (1 No.), Permeability apparatus(1 No’s), Vibrating table (1 No.), Vibrating machine(1 No.), Laboratoryconcretemixer(1No’s), Accelerated curing tank (1 No.), Cube moulds (36No’s), Beam mould(12No’s),Cylindermoulds	

			(6No’s),Measuringcylinders(12 No’s),Densitybottle(6No’s),Le-chatlierflask(10No’s),Spatula(9 No’s), Trowels (9 No’s), Shovels(9 No’s), Bowls(9 No’s), Toolkit(2No’s),GItray(12No's), Cylindrical metal measure (3 No’s), CBR Apparatus(1 No’s), AggregateCrushingTest(3No’s), Los Angeles Abrasion Machine (1No.), Aggregate Impact Value Apparatus (1 No.), Length Gauge(2No’s),ThicknessGauge (2 No’s), IS Sieves (Price Each Size Sieve)(3 No’s), Wire Basket(3 No’s), Specific gravity bottle for Bitumen (5 No’s), Automatic Penetrometer (1 No.), Ductility Testing Apparatus (1 No.),RingAndBallApparatus(1 No.), Flash And Fire Point Test Apparatus (2 No’s), Tar Viscometer (1 No.), Oven Universal (1 No.), Electrical coil stoves(1No.),HotPlate(1No.).	
		ENVIRONMENTAL ENGINEERING LAB	Aerator(1 No.), Jar Test apparatus(1No.), pH meter Digital(1No.), pH meter (1No.), Electronic weighing balance(1 No.),Imhoffsettlingcone(2No’s), Digitalconductivitymeter(1No.), Digitaldirectreadingconductivity meter(1No.),Magnetic stirrer (1No.),Magnetic stirrer digital (1No.), Stop watch(1No.), Nessler’s cylinder (1No.), Desicator plain(1No.),Water bath Digital(1No.), Nephelometer (1No.),Spectrophotometer (1No.), Bunsen burner with stand (15 No’s), Test tube handler(15 No’s),Spatula (20 No's), Distilledwaterplant(1No.),Glass fiber filter disc(1No.),Conical Flask(120No’s),Burette(60No’s),	

			Pipette(40 No's), Beaker (90 No's), Test tube rim(150 No's), Funnel (30 No's), BuretteStand(30 No's), Glass Rod(40N0's), Reagent Bottles(30 No's), BOD Bottles(20 No's), Reflux Flask (15 No's), Heating Mantle (15 No's), Nessler's tube (30 No's), Fermentation Tube(3 No's), Platinum Loop holder(6 No's), Wash bottle(30 No's), Durham's Tubes (1No.), Muffle Furnace(1No.),MeasuringJar(45 No's),Evaporating Dishes(20 No's), Basin Evaporating(1No's), BODIncubator (1No.), Hot Air Oven(1No.),DOmeter(1No.),Dig Flame Photometer(1No.), Petri dish(10No.).	

Sl. No.	Department	Laboratory Name	Equipment/FacilitiesDetails	Remarks
01	Mechanical	Design lab	BifilarSuspension	
			CompoundPendulum	
			SpringMassSystem	
			TorsionalVibrationsetwithSingleRotorSystem	
			TorsionalVibrationsetwithDoubleRotorSystem	
			ForcedVibrationSystem	
			SingleDegreeVibrationsystem	
			JournalBearingTestRig	
			WhirlingOfRotatingShaftTestRig	
			Gyroscope	

			CombinedPolarizedscope	
			BalancingofRotars	
			Porter,Prorell,WattHartnerGovernor	
			StrainGaugeCurved beam	
			SimpleGeartrainWithHousing Bearing	
			EpicyclicGearBoxwithHousing	
			Modeltesting WithAccessories	
		Energy Conversion lab	AbleFlash&FirepointApparatus	
			PenskyMartinFlash&FireApparatus	
			RedwoodVisco meter	
			SayBoltviscometer	
			DigitialBombcalorimeter	
			BoysGascalorimeter	
			Planimeter	
			ValvetimingDiagram	
			PorttimingDiagram	
			4strokesinglecylinderKirloskarMakeNew Diesel Engine Test Rig	
			2strokesinglecylinderpetrolEngineTestRig	
			4strokesinglecylinderHONDApetrolEngineTest Rig	
			MulticylinderpetrolEngineofAmbassadorcar Test Rig	
			TorsionViscometer	

			TwostrokeTVSsecondHandBike	
			RingspannersetTAPARIA	
			Doubleendedspannersetandcuttingplier	
		F&FLab	Sheartestattachment	
			Sieveanalysisteatsetup	
			Rapiddrier	
			Singlepiecepatternsteppedpulley(AL)	
			Splitpatterngroovedpattern(AL)	
			flatters	
			Universalsandtesting M/C	
			Permeabilitytester	
			Corehardnesstester	
			Mouldhardnesstester	
			Claycontenttester	
			Moisturecontenttester	
			Sandrammerwithcoreboxes	
			Digitalweighingbalance	
			Mouldingboxes12*12*4	
			Doublesplitpattern(AL)	
			Matchplatepattern	
			Toolkit	
			shovels	

			Swageblock50kg	
			Sledgehammer6LB	
			Sledgehammer8LB	
			Anvil 100kg	
			poker	
			Greensand(bentonite+coaldustmixed)	
			Bentonitepowder	
			Roundtong	
			Flattong	
			Bendtong	
			Greensand	
			Swagetop 1/4’’MShandle	
			Swagebottom1/4’’MS handle	
			Hotchisel	
			Coldchisel	
			Teakwoodleveler	
			Hammerdoublehead3LB	
			ABCcoreoil	
			Pullertopandbottom	
			Bearingselfcorepattern	
			Peltonwheelcup	
			GIbucket20ltr	

			Bandly	
			Dusttrowelmetal	
			Plasticbucket5ltr	
		HMTLab	DeterminationofThermalConductivityofa Metal Rod.	
			Determinationofoverallheattransfer coefficient of a composite wall.	
			Determinationofeffectivenessonametallic fin.	
			DeterminationofHeatTransferCoefficientin a Free Convention on a vertical tube heat	
			DeterminationofHeatTransferCoefficientin a Forced Convection.	
			DeterminationofEmissivityofaSurface.	
			DeterminationofsteffenBoltzmannconstant.	
			DeterminationofLMDTandeffectivenessina parallel Flow and counter flow Heat Exchanger.	
			ExperimentsonBoilingofLiquidand condensation of vapour.	
			PerformanceTestonVapourcompression Refrigeration.	
			ExperimentonTransientconductionHeat Transfer.	
			PerformanceTestonAirconditioner.	
		Machine shopLab	Hicut3503allgearedheadstocklathe,ABC- 1000mm	
			Hicut3503allgearedheadstocklathe,ABC-600mm	
			Revolvingcentre MT-3	
			Drillchuck½”	

			Powerhacksawblade	
			Centregauge60°	
			½”diewithhand	
			divider	
			divider	
			Ringspanner set	
			Doubleendedspannerset	
			HSS drill bits Size:4,6,8,10,12,14,16,18,20,22,25mmdia	
			HSSdrill bits Size:4,6,8,10,12mmdia	
			HSSdrill bits Size:14,16,18,20,22,25mmdia	
			Drillsleeve	
			DrillsleeveMT2-3	
			Centrebit	
			Boringbar5/16”	
			Allenkeyset1.5mm-10mm	
			Allenkeyset1/16” to3/18”	
			Pipewrench-18”	
			Screwspanner10”	
			Ballpeenhammer 800gms	
			Nylonhammer	
			LetterPunch6mm	
			Numberpunch6mm	

			Centrepunch	
			Adjustablesurfacegauge12”	
			2046Sdial gauge	
			Dialstand	
			Surfaceplate	
			Vee-Block	
			Try-square-6”	
			Micrometer-0-25mm	
			VernierCalliper 0-150mm	
			Screwpitchgauge	
			Standforsurfaceplate-18” plate	
			Turningtool-RH	
			Sideandfacemillingcutterdia-100*10*25.4	
			Vernierheightgauge300mm	
			Safetygoggles	
			Radialdrillingmachine	
			8”power hacksawmachine	
			12”shapingmachine	
			Universalmillingmachine26”*8”	
			Benchgrinder	
			Straightnosetool	
			Turningtoolrighthand	

			HSStoolbits:5/16”*5/16”*4”	
			HSStoolbits:5/16”*5/16”*6”	
			Grindingwheel200mmDia Smooth rough	
			HI-cut3503allgearedlatheABC-1000mm	
			HI-cut3503allgearedlatheABC-600mm	
			HI-cut3503allgearedlatheABC-600mm	
			HI-cut3503allgearedlatheABC-600mm	
		MMMLab	PressureGauge	
			Thermocouple	
			LVDT	
			LoadCell	
			StrainGauge	
			Stroboscope	
			ProfileProjector	
			SineCentre	
			SineBar	
			TaperGaugePlain	
			AngleBlockUniversal	
			AngleGauges	
			LatheToolDynamometer	
			DrillToolDynamometer	
			SlipGaugeBox	

			MechanicalComparator,Indianmake	
			OpticalFlats	
			GearToothVernier	
			GearToothMicrometer	
			ScrewThread(FloatingCarriageMeter)	
			MechanicalComparator	
			MagneticStandWithDialGauge	
			V-Block2’’	
			VernierCaliper	
			Micrometer	
			GraniteSurfacePlate	
			DialIndicator	
			Bore Gauges	
			PrecisionSpritLevel	
			TaperPlugGauge	
			TaperRingGauge	
			PlainPlug Gauge	
			PlainRingGauge	
			FeelerGauge	
			PitchGauge	
			Radius Gauge	
			VernierHeightGauge	

			Roller Set	
			SnapGauge	
			i)0-6mm	
			ii)6-13mm	
			iii)13-19mm	
			SurfacePlate-CI	
			BevelProtractor	
		MT Lab	SingleDiscpolishingMachine	
			RectangularMuffleFurnace	
			WearTestingMachine	
			UltrasonicFlawDetector	
			Magneticcrack Detector	
			DyepenetrateApparatus	
			DigitalweighingBalanceLc:0.001gm	
			ImpactTestingMachine	
			RockwellHardnessTestingMachinewithstd specimens	
			BinocularMicroscopewithTwostandard specimens(HCS & HSS specimen)	
			BrinellHardnessTestingMachinewithstd specimens	
			UniversalTestingMachineUTN-100knwith standard attachments of Tension test, shear test, Bending test & compression test	
			TorsiontestingMachine cap100Nm	

			VickersHardnesstestingMachinewithstd specimens	
			Pychnometer	
			Sieveshaker	
			Digitaloven	
			Tiletestingmachine	
			Straingauge indicator	
			Sieve forCoarseagrigate	
			Sieveforfineagrigate	
			Bulkdensityforcoarseagrigate	
			Bulk densityofsoil	
			WeighingBalance3kg	
			WeighingBalance5kg	
			WeighingBalance15kg	
			Verniercaliper	
			MeasuringCylinder	
			Deplectometer0-25 LC-0.01	
			Deplectometer0-25 LC-0.01	
			Deplectometer0-50 LC-0.01	
		Workshop Lab	WeldingTransformer	
			WeldingHandShield	
			Tongs	
			HandGloves	

			C-clamp	
			ElectrodeHolder	
			WeldingCable	
			WeldingGlass	
			ChippingHammer	
			PlainGoggles	
			Apron	
			Wire Brush	
			EarthingClamp	
			Lugs	
			MeasuringSteeltape	
			BenchVice	
			WeldingTable	
			Weldingplainglass	
			Cuttingplier	
			Powerhacksawmachine	
			Ballpeinhammer	
			BenchVice	
			PipeVice	
			Surface Plate	
			VernierHeightGauge	
			Hacksaw Frame	

			SurfaceGauge	
			FlatFile(Rough)	
			FlatFile(Smooth)	
			Square File(Rough)	
			Square File(Smooth)	
			RoundFile(Rough)	
			RoundFile(Smooth)	
			HalfRoundFile(Rough)	
			HalfRoundFile(Smooth)	
			Triangularfilerough	
			Triangularfilesmooth	
			Knifeedgefilerough	
			Ballpeinhammer	
			Flatcoldchisel	
			Crosscutchisel	
			Coldchisel	
			Crosscutdiamondchisel	
			Trysquare	
			Outsidecaliper	
			Insidecaliper	
			Dividers	
			VernierCaliper	

			Micrometer	
			DrillingMachine	
			Grindingmachine	
			Tappingsets 6mm,8mm,10mm	
			Tapwrench10mm	
			Dieset 6mm,8mm,10mm	
			Diestock	
			Angleplate	
			Parallelbars	
			Scribers	
			Scrapers	
			Sledgehammer	
			Vblock	
			Cuttingpliers	
			SteelScale6inch	
			SteelScale12inch	
			Drillbits 6dia,5dia,8dia,10dia 12dia,14dia	
			Centerpunch	
			Drillvise	

			Numberpunch	
			Letterpunch	
			AdjustablewrenchBrush	
			SteelTape	
			Screwdriver	
			Spannerset	
			Oilcan	
			Jemper	
			Grindingwheeldresser	
			Legwise	
			Anvil	

Sl. No.	Department	Laboratory Name	Equipment/FacilitiesDetails				Remarks
1	ECE	**Electronic Devices and Instrumentation Lab**	**EQUIPMENT SNAME**	**MAKE**	**SPECIFICATION**	**QTY (NOS)**	
			Analog Ammeters		**0-15-30mA**	**10**	
			Analog Ammeters		**0-100-200mA**	**10**	
			Analog Ammeters		**0-100-200microA**	**05**	
			Analog Ammeters		**0-500microA**	**05**	
			Powersupply	**Unitron**	**0-30v/2ASingle**	**10**	

			Powersupply	Unitron	0-30v/2Adual	10		
			Powersupply	Unitron	0-300v/1ASingle	02		
			Powersupply	Unitron	+/-12vor+/-15v	10		
			Digital multimeter	Motwane		06		
			Digital multimeter	Motwane		02		
			DigitalAuto range multimeter	Fluke		01		
			Analog Oscilloscope	scientific		14		
			LCRQBridge	scientific		01		
			Function generator	Tektronic		12		
			Digital multimeter	Tektronic		10		
			Function generator	scientific		05		
			5kvavoltage stablizer			01		
			DRB			10		
			DIB			10		
			DCB			10		
			Digital voltmeter		0-2v-20vbench type	08		
			Digital voltmeter		0-20v-200v	08		
			Digital Ammeter		0-200microA-2000microA	08		
			Digital		0-20mA-200mA	08		

			Ammeter					
			Digital Ammeter		0-200mA-2000 mA	08		
			Powersupply	Uday	0-30v/2ASingle	10		
			Powersupply	Uday	0-30v/2Adual	05		
			Fixedsupply	Uday	+/-12vor+/-15v	10		
			Digital & AnalogIC Tester			01		
			Digitalstorage oscilloscope	Akademik		07		
2		DSD lab	EQUIPMENTSNAME	MAKE	SPECIFICATION	QTY (NOS)		
			Digital IC trainerKit	Model4002		10		
			Analog IC trainerKit	Model5002		04		
			DRB		6 dials	05		
			DCB		5dials	05		
			DIB		5 dials	05		
			Digital multimeter	Motwane		05		
			Digital IC trainerKit			14		
			MPBased Analog IC Tester			01		
			MPBased Digital IC Tester			01		
			Function generator	scientific		05		

			Pulse generator			02		
			Fixeddc supply		+/-12vor +/-15v	10		
			Voltage stablizer		5KVA	01		
			DcPower supply		0-30v/2A	02		
			Fixedsupply		+/-12vor +/-15v	02		
			Digital IC trainerKit			12		
			Linear/Analog IC trainer kit			05		
			Digital IC Tester (Handled)			01		
			Digital Multimeter	Meco		03		
			DRB		6dials	04		
			DCB		6dials	04		
			DIB		6dials	04		
			Function generator	systronics		01		
			Singlepulse generator			01		
			computer	Dellvastro3268		10		
3		VLSI lab	**EQUIPMENTSNAME**	**MAKE**	**SPECIFICATION**	**QTY (NOS)**		
			Singlechip MCUTrainer	ESAMCB52		10		
			Powersupply	ESA psm2		10		
			Stepper motorwith			05		

			interfaceIF-STEP					
			DCMotorI/F			05		
			ElevatorI/F			05		
			DualdacI/F			05		
			Lcdi/f			05		
			CalculatorKB			05		
			TSDR Interface			05		
			Microwind software			50users		
			PCI Based MSP430KITS			20		
			Cadence software			20users		
			ONLineUPS 5 KV			01		
			HP ProlientML100server			01		
			HPDesktop system Mtpc3330			20		
			DellOptiplex380			04		
			ALS –SDA ARMCTXM3 KIT	ALS		15		
			UPS6KVA	Emersion		01		
4		HDL Lab	EQUIPMENTS NAME	MAKE	SPECIFICATION	QTY (NOS)		
			Xilinxsoftware			01		
			Labview7.1			01		

			software						
			TMS320C6713 DSPKits	TMS 320C6713		10			
			FPGA&CPLDKits			15			
			Patterngenerator & logic analyzer			15			
			32bitALU	32bit		01			
			Spartern 6 daughtercard			10			
			USBcablesforkits			10			
			TMS320c6713DSP kits	TMS 320c6713		05			
			Overhead projector			01			
			Plasticprojection screen 5*5			01			
			Vacuumcleaner			01			
			Overhead projector			01			
			Plasticprojection screen 5*5			01			
			HPLaptop	hp		01			
			Smartboard			01			
			Multimedia projector			01			
			Wallmountfor Multimedia projector			01			
			E-podium			01			
			Hitachiprojector	CP-X3021MN		01			

			CP-X3021MN						
			HPcompaxdx2000 computers	HPcompax dx 2000		12			
			WiproLQDSI5235 printer	WiproLQDSI 5235		02			
			6Kva UPS	Emerson		01			
			HPDX2480Model computer	HPDX2480 Model		30			
			Sparten6daughter card			05			
			USBcableforkits			05			
			TpLINKN -300 Router	TpLINKN-300		01			
			FPGAMother board			01			
5		Advanced Communicationlab	**EQUIPMENTS NAME**	**MAKE**	**SPECIFICATION**	**QTY (NOS)**			
			Analog Signal sampling &Reconstructionunit	**Kaushik enterprises**		**01**			
			Timedivision multiplexing Trainer	**Kaushik enterprises**		**01**			
			SpectrumAnalyzers	**HAMEG**	**0.15MHZ TO1050 MHZ**	**01**			
			AutoLCRQText	**systronics**		**01**			
			Function Generator	**systronics**	**10MHz**	**02**			
			Controlled Stabilizer	**Powertronics**	**Powertronics 5 KVA**	**01**			
			VariableDC RegulatedPower	**Uday Engineers**	**0-30v/2A**	**04**			

			Supply						
			DualPowerSupply	**Uday Engineers**	**0-30v/1A**	**03**			
			Analog Multimeter(Hung Chang)	**Hung Chang**		**05**			
			DesktopDigital Multimeter	**Meco**	**45p Multimeter**	**01**			
			DigitalMultimeter	**Meco**		**02**			
			DecadeInductance Box	**Uday**	**6Dials**	**06**			
			DecadeResistance Box	**Uday**	**6Dials**	**06**			
			DecadeCapacitance	**Uday**	**6Dials**	**06**			
			BandPass Modulator /Demodulator	**FALCON**		**01SET**			
			Dual trace oscilloscope	**Analog HM605 SCIENTIFI**	**60MHZ**	**03**			
			Analog pulse ModulatorTrainer	**Digitronix**		**01**			
			AM/FM Transmittertrainer	**Digitronix**		**01**			
			AM/FMReceiver Trainer	**Digitronix**		**01**			
			FrequencyCounter	**SCIENTIFI**	**1GHZ**	**01**			
			TDSDigital Oscilloscope	**Tektronix**		**06**			
			AnalogICTrainer kit	**UDAY**		**03**			
			DigitalICTrainer	**UDAY**		**03**			

			kit						
			PatternGenerator	**Electronic &Electronics product**		**01**			
			DecadeInductance Box	**SIMS**	**6Dials**	**05**			
			DecadeResistance Box	**SIMS**	**6Dials**	**05**			
			DecadeCapacitance Box	**SIMS**	**6Dials**	**05**			
			Twentyfourtypes of antennas			**24**			
			MultioutputPower Supply	**Power Vision**	**+/- 5,12,15,v/**	**03**			
			MultiOutputPower Supply(Individual	**Power Vision**	**+/-12,v**	**02**			
			DcRegulatedPower Supply	**Power Vision**	**30v1 Amp Dual**	**06**			
			DcRegulatedPower Supply 3	**Power Vision**	**30v2 Amp**	**06**			
			TDM Kit	**scientech**	**ST (2102)**	**01**			
			ACAmmeter (Desktop)	**EIC**	**0-50,100 ma**	**05**			
			DCAmmeter (Desktop)	**EIC**	**0-25,250 ma**	**04**			
			Microprocessor basedICtester	**TESTEL**	**DA40**	**01**			
			CRO	**Scientific HM 203**		**04**			
			FiberOpticKit	**scientech**	**ST2502**	**01**			
			Data Communicationand LANtrainer kit	**Falcon**		**01**			

			SinglePulse Generator	**Systronics**		**03**		
			OpenRacksize5½ x 3 x12			**02**		
			Tablewithoutdraw			**02**		
			AnalogOscilloscope	**LG5020**	**20MHz**	**05**		
			100MHz Oscilloscope	**LG5100**	**100MHz**	**02**		
			1:1&10:1 combination compensatedprobe			**08**		
			DigitalMultimeter	**meco**	**603**	**10**		
			OFCkit(Link–B)	**Falcon**		**01**		
			DPSKKit	**TETCOS**		**01**		
			QPSKKit	**TETCOS**		**01**		
			NoiseGenerator	**TETCOS**		**01**		
			Bit Error MeasurementUnit	**TETCOS**		**01**		
			FunctionGenerator	**FG806**	**(2MHz)**	**06**		
			FunctionGenerator	**FG811**	**(Am/FM)**	**03**		
			SineWave Generator	**HM5032**	**20MHz**	**02**		
			DecadeResistance Box	**PAN Electronic**	**5Dials**	**10**		
			DecadeCapacitance Box	**PAN Electronic**	**5Dials**	**10**		
			DecadeInductance Box	**PAN Electronic**	**5Dials**	**10**		
			AnalogOscilloscope	**EZ**	**HM5060 60MHZ**	**10**		
			PulseGenerator	**ST4063**		**13**		

			OFC Kit	**Scientech**		**01**			
			DPSKKit	**TETCOS**		**03**			
			QPSKKit	**TETCOS**		**03**			
			PowerSupply	**Power vision**	**(+/- 12V/*2A) +/- 15V/2A+/ -5V/2A**	**14**			
			ElectronicProject Boards			**10**			
			SignalGenerator (Signal source)			**02**			
			Electronic IntegratedCircuit Kit **a) Coupled Directional Coupler** **b) Ring Resonator** **c) PowerDivider** **d) AttenuatorPads-** **3db,6db,10db** **e) AdapterSMA(F) –N(M)** **f) BNCCables** **g) SMACables 1m& 45cms.** **h) CoaxialMatch Load** **i) Detector**			**02** **02** **02** **01 EACH** **02** **02** **02** **02** **02** **02**			
			Antennawith Accessories			**02**			

			a)Printed Dipole Antenna b) Rectangular Patched Antenna c)Ported Yagi Antenna d) Rotatable Antenna Stand e)Fixed Antenna stand f)VSWR			02 02 02 02 02 02		
			UPSPB6000Batch: 01106VM0066UPS	EMERSON	6KVA	01		
			Batteries	EXIDE	42AH/12V	16		
			HitachiProjector cp-x3021	HITACHI	cp-x3021	01		
			Digitaloscilloscope	Scientific SMO 502	50MHZ	05		
			Signalgenerator	Physitech PHY-103 FAR	2MHZ	05		
6		DSP lab	EQUIPMENTS NAME	MAKE	SPECIFICATION	QTY (NOS)		
			UPSAdapt6KVA (1TA)	UPS System ITA Model	Batch: 210/20046 1211C010 0286KVA Single Phase of Single Phase	01		

			Battery RackwithLinks(Battery Stand)	**Rocket Make**	**26Ah/ 12V 12V/ 65 AH/**	**16 01**		
			COMPUTERS	**DELL**	**Dell Optiplex(JM)380DT-N Series BaseIntel (R) core ™-2DUO Processor E 7500 (2.93GHz) 1066FSB/ 3M2 Cache. Integrated Broadcom (CBCM57780)GB LAN 10/100/1000,2GB(1 x 2GB) Non ECCDDR3 1333MHz SD RAM Memory 320 GB 7200 RPM 35”SATA Hard drive,16x Max DVD+1 – RW with duallayer write capable– ties for MT&DT,**	**07**		

						DELLE 1912, 18.5”W HD Monitor with WLED , DELL ™ MS111USBOptical Mouse, DELL ™ KB212-B USBEntry 6-ness Keyboard (ENGLISH)			
				ROUTER	DIGISOLE	sl.no 003 YS CA000788 Mac :00177C1F 27DA	01		
				Microprocessor Kit	ALS	8085 µp	10		
				Microprocessor	ALS	8086 µP	01		
				PowerSupply	ALS	(+12v,-12v,+5v,+26v)	11		
				LogicController Interface Card	ALS		01		
				DualDAC&I/O InterfaceCard	ALS		01		
				ElevatorInterface Card	ALS		01		
				Keyboard/Display Interface Card	ALS		01		

			EPROM Programmer	ALS		01		
			InterfaceCard					
			8BitADCInterface Card	ALS		O1		
			StepperMotor InterfaceCard	ALS		01		
			Basic Universal MicroprocessorKit	ALS	SDA–UNI – 01	10		
			PowerSupply	ALS	5v,1.5A	10		
			CPUCARD	ALS	UNI-85-8085	10		
			UNI-86-8086CPU Card	ALS	[UNI-31/51 8031/51 CPUCard (Inbuilt–8085 sl.No.13)]	10		
			StepperMotor Interface	ALS	ALS–NIFC – 01A	02		
			PowerSupply	ALS	5A,1A NIFC-01A-OPT-01	02		
			8Bit ADC	ALS	ALS – NIFC-07A	02		
			ElevatorInterface Card	ALS	ALS – NIFC-17	02		
			Keyboard/7 SegmentDisplay/ Display Interface	ALS	ALS–NIFC -09	07		
			LogicController Interface	ALS	ALS–NIFC -05A	07		

			StepperMotor Interface	ALS	ALS–NIFC-01A	06		
			StudyCard	ALS	ALS–	05		
			(USARI/Timer Interface)		NIFC-21 8251/8253			
			DualDACInterface	ALS	ALS-NIFC-06A	02		
			Microprocessor Trainer Kit	ALS	ALS-SDA-85	20		
			PowerSupply	ALS	5v,1.5A, +/- 12v,100 ma	20		
			KeyboardInterface Card	ALS		01		
			ElevatorInterface Card	ALS		01		
			LogicController Interface Card	ALS		01		
			StepperMotor InterfaceCard	ALS		01		
			PowerSupplyfor above Interface	ALS		01		
			DualDACInterface Card	ALS		01		
			24linesDigitalI/O Card with Timer (INSIDE-Dell Optiplex(JM) 380DT-NSeries SYSTEMS	ALS	ALS-PCI-07A	06		

			Desktop computers HpDX2480Intel core2 Duo	**ALS**	**HpDX2480 Intelcore2 Duo**	**15**			
7		Elect	**EQUIPMENTS**	**MAKE**	**SPECIFICATI**	**QTY**			
		rical lab	**NAME**		**ON**	**(NOS)**			
			Measurement of current,power andpower factorof incandescent lamp,fluorescentlampand LEDlamp	**Pragna**		**02**			
			Measurement ofResistance and inductanceof achokecoil using 3voltmeter method	**Pragna**		**02**			
			Determination ofphaseand linequantities inthree phase staranddelta connected load	**Pragna**		**02**			
			Measurement ofthree phase powerusing twowattmeter method	**Pragna**		**02**			
			2wayand3 waycontrolof lamp	**Pragna**		**02**			
			Measurement	**Pragna**					

			of earth resistance			**02**		
			Studyofeffect of open and shortcircuitin	**Pragna**		**02**		
			simplecircuit					
			Wheat stone bridgeKCL&KVL	**Pragna**		**04**		

Sl. No.	Department	Laboratory Name	Equipment/FacilitiesDetails	Remarks
1	AIML	DataStructure Lab	30ComputerSystems	
2	AIML	Microcontroller Lab	30ComputerSystems, MicrocontrollerKITS	
3	AIML	Machine LearningLab	30ComputerSystems	
Sl. No.	Department	Laboratory Name	Equioment/FacilitiesDetails	Remarks
1	ISE	DataStructure Lab	30ComputerSystems	
2	ISE	Microcontroller Lab	30ComputerSystems, MicrocontrollerKITS	

3	ISE	File Structure Lab	30ComputerSystems	
4	ISE	Software TestingLab	30ComputerSystems	
5	ISE	Analysisand	30ComputerSystems	
		Design Lab		
6	ISE	Web Programming Lab	30ComputerSystems	
7	ISE	Machine LearningLab	30ComputerSystems	
8	ISE	Mobile Application Development	30ComputerSystems	
	ChemistryLab		Conductivity meter	
			DigitalCond.Meter	
			PHMeter	
			BunsenBurner	
			ElectricWaterBath-6hole	
			Photoelectriccolorimeter	
			Calorimeterset	
			BunsenBurnerwithSC	
			DigitalCond.Meter	
			CentrifugeMechine	
			Vaccumpump	
			Heatingmantle250ml	
			Heatingmantle500ml	
			Heatingmantle1000ml	
			Micromagneticstirrer	

		Waterbathelectrical6holes	
		Singlepanadjustableweight	
		MeltingpointapparatusElec.	

		StopClock ESAL	
		Electricalbalancesingle pan	
		Flaskshaker	
		ThermostatWaterbath	
		Electricalhot plate	
		Hotairoven18"x18"	
		Deionizer50ltrcapacitywithanalog conductivity meter	
		FGL613DigitalPHmeter	
		FGCL157DigitalColorimeter	
		BunsenBurnor,Taps,rubbertube	
		Fireextinguisher(3.2 kg)	
		DigitalPotentiometer	
		FGL16133EDig.PHmeter	
		DigitalFlamePhotometer	
		DigitalConductivity	
		DigitalPHmeter	
		Colorimeter	

- List of Experimental Setup in each Laboratory/Workshop

Sl.No.	Department	Laboratory Name	ListofExperiments	Remarks
1		**Electronic Devices and Instrumentation Lab**	**Electronic Devices and InstrumentationLab(Third semester)** **PARTA:Experimentsusing**	

	ECE		**Discretecomponents** 1. Conductexperimenttotest diodeclipping(single/double ended) and clamping circuits (positive/negative). 2. Half wave rectifier and Full waverectifierwithandwithout filter and measure the ripple factor. 3. CharacteristicsofZenerdiode and design a Simple Zener voltageregulatordetermineline and load regulation. 4. Characteristics of LDR and PhotodiodeandturnonanLED using LDR 5. StaticcharacteristicsofSCR. 6. SCRControlledHWRandFWR using RC triggering circuit 7. Conduct an experiment to measuretemperatureintermsof current/voltage using a temperature sensor bridge. 8. Measurement of Resistance usingWheatstoneandKelvin's bridge. **PART-B:SimulationusingEDA software** (EDWinXP,PSpice,MultiSim, Proteus, Circuit Lab or any equivalent tool) 1. Input and Output characteristicsofBJTCommon emitter configuration and	

			evaluationofparameters. 2. Transfer and drain characteristicsofaJFETand MOSFET. 3. UJT triggering circuit for ControlledFullwaveRectifier. 4. Designandsimulationof Regulated power supply.	
2		**DSDlab**	**DSDlab(Third semester)** 1. Verify (i) Demorgan'sTheoremfor2variables. (ii) The sum-of product and product-of-sumexpressions using universal gates. L1, L2, L3 2.Designandimplement (i)HalfAdder&FullAdder using i)basicgates.ii)NANDgates (ii) Half subtractor& Full subtractorusingi)basicgatesii) NAND gates L3, L4 3. Designandimplement (i) 4-bitParallelAdder/Subtractor using IC 7483. (ii) BCD to Excess-3 code conversionandvice-versa.L3,L4 4.DesignandImplementationof (i)1-bit Comparator	

			(ii)5-bitMagnitudeComparator using IC 7485. L3, L4 5. Realize (i) Adder&SubtactorsusingIC 74153. (ii) 4-variablefunctionusing IC74151(8:1MUX).L2,L3,L4 6. Realize (i) Adder&Subtractorsusing IC74139. (ii) BinarytoGraycodeconversion & vice-versa (74139) L2, L3, L4 7. Realizethefollowingflip-flops using NANDGates. Master-Slave JK, D & T Flip-Flop. L2, L3 8. Realizethefollowingshift registers usingIC7474/7495 (i)SISO(ii)SIPO(iii))PISO(iv))PIPO(v)Ring(vi)Johnson counter L2, L3 9. Realize (i) Design Mod – N SynchronousUpCounter&Down Counter using 7476 JK Flip-flop (ii) Mod-NCounterusingIC7490/ 7476 (iii) Synchronouscounterusing IC74192 L2, L3 10. Design Pseudo Random Sequencegeneratorusing7495. L2, L3 11. DesignSerialAdderwith	

			AccumulatorandSimulateusing Simulation tool. L2, L3, L4 12.DesignBinaryMultiplierand Simulate using Simulation tool. L2, L3, L4	
3		VLSIlab	VLSIlab(Seventhsemester) **Part-A** **AnalogDesign** UseanyVLSIdesigntoolstocarry out the experiments, use library files and technology files below 180 nm. l.a) Capture the schematic of CMOS inverter with load capacitance of 0.1pF and set the widthsofinverterwithWn=Wp, Wn = 2Wp, Wn = Wp/2 and length at selected technology. Carry out the following: i Set the input signal to a pulse withrisetime,falltimeof1nsand pulse width of 10ns and time periodof20nsandplottheinput voltage and output voltage of designed inverter? ii. From the simulation results computetpHL,tpLHandtdforall three geometrical settings of width? iiiTabulatetheresultsofdelay andfindthebestgeometryfor minimum delay for CMOS inverter? 1.b)Drawlayoutofinverter with	

			Wp/Wn =40/20, use optimum layout methods. Verify for DRC and LVS, extract parasitic and performpostlayoutsimulations, compare the results with pre-layout simulations. Record the observations. 2.a)Capturetheschematicof2-input CMOS NAND gate having similar delay as that of CMOS invertercomputedinexperiment 1. Verify the functionality of NANDgateandalsofindoutthe delay td for all four possible combinations of input vectors. Table the results. Increase the drive strength to 2X and 4X and tabulate the results. 2. b) Draw layout ofNANDwithWp/Wn=40/20,useoptimum layout methods. Verify for DRC and LVS, extract parasitic and perform post layout simulations, compare the results with pre- layout simulations. Record the observations. 3. a) Capture schematic of Common Source Amplifier with PMOS Cwrent Mirror Load and finditstransientresponseandAC response? Measures the Unity Gain Bandwidth (UGB), amplification factor byvarying transistor geometries, study the impact of variation inwidth to UGB. 3. b) Draw layout of common sourceamplifier,useoptimum layoutmethods.VerifyforDRC and LVS, extract parasitic and	

			performpostlayoutsimulations, compare the results with pre-layout simulations. Record the observations. 4.a) Capture schematic of two-stageoperationalamplifierand measure the following: iUGB ii. dBbandwidth iii. Gainmarginandphasemargin with and without coupling capacitance iv. Use the op-amp in the invertingandnon-inverting configuration and verity its functionality v. Studythe UGB, 3dB bandwidth, gain and power requirement in op-ampbyvaryingthestagewise transistor geometries and record the observations. 4.b) Draw layout of two-stage operational amplifier with minimum transistor width set to 300 (in 180/90/45 nm technology), choose appropriate transistor geometries as per the results obtained in 4.a. Use optimum layout methods. Verity forDRCandLVS,extractparasitic and perform post layout simulations, compare the results with pre-layout simulations. Record the observations.	

			Part - **BDigitalDesig** **n** Carryouttheexperimentsusing semicustomdesignfloworASIC design flow, use technology library180/90/45nmandbelow Note: The experiments can also becarriedoutusingFPGAdesign flow, it is required to set appropriate constraints in FPGA advanced synthesis options 1.Writeverilogcodefor4-bit up/downasynchronousreset counter and carry out the following: aVerifythefunctionalityusing test bench b.Synthesizethedesignbysetting areaandtimingconstraint.Obtain the gate level netlist, find the critical path and maximum frequency of operation. Record the area requirement in terms of number of cells required and propertiesofeach cell intermsof driving strength, power and area requirement. c. Perform the above for 32-bit up/downcounterandidentifythe criticalpath,delayofcriticalpath, and maximum frequency of operation, total number of cells required and total area. 2. Write verilog code for 4-bit adderandverifyitsfunctionality usingtestbench.Synthesizethe design by setting proper	

			constraintsandobtainthenetlist. From the report generated identity critical path, maximum delay, total number of cells, powerrequirementandtotalarea required. Change the constraints and obtain optimum synthesis results. 3.WriteverilogcodeforUART and carry out the following: aPerformfunctionalverification using test bench b.Synthesizethedesigntargeting suitable library and by setting area and timing constraints c. For various constrains set, tabulate the area, power and delayforthesynthesizednetlist d Identitythecritical path andset theconstraintstoobtainoptimum gate level netlist with suitable constraints 4.Write verilog code for 32-bit ALUsupportingfourlogicaland four arithmetic operations, use casestatementandifstatement for ALU behavioral modeling. aPerformfunctionalverification using test bench b.Synthesizethedesigntargeting suitable library by setting area and timing constraints c. For various constrains set, tabulate the area, power and delayforthesynthesizednetlist	

			d Identitythecritical path andset theconstraintstoobtainoptimum gate level netlist with suitable constraintsComparethesynthesis results of ALU modeled using IF and CASE statements. 5.Write verilog code for Latch and Flip-flop, Synthesize the design and compare the synthesis report (D, SR, JK). 6.Forthesynthesizednetlistcarry out the following for any two above experiments: a Floor planning (automatic), identitytheplacementofpads b.PlacementandRouting,record the parameters such as no. of layers used for routing, flip method for placement of standard cells, placement of standard cells, routes of power and ground, and routing of standard cells c.Physicalverificationandrecord the LVS and DRC reports dPerformBackannotationand verity the functionality of the design e.GenerateGDSIIandrecordthe number of masks and its color composition	
4		HDLLab	Microcontrollerlab(Fourth semester) **I.PROGRAMMING** 1.DataTransfer:Block Move,	

			Exchange,Sorting,Findinglargest element in an array. 2. Arithmetic Instructions - Addition/subtraction, multiplication and division, square,Cube–(16bitsArithmetic operations – bit addressable). 3. Counters. 4. Boolean&LogicalInstructions (Bit manipulations). 5. ConditionalCALL&RETURN. 6. Code conversion: BCD – ASCII; ASCII – Decimal; Decimal - ASCII; HEX-DecimalandDecimal-HEX. 7. Programstogeneratedelay, Programsusingserialportand on-Chip timer/counter. **II. INTERFACING** 1. Interfaceasimpletoggleswitch to 8051 and write an ALP to generate an interrupt which switches on an LED (i) continuouslyaslongasswitch is on and (ii) onlyonceforasmalltime whentheswitchisturnedon. 2. WriteaCprogramto (i) transmitand (ii) toreceiveasetofcharacters serially by interfacing 8051 to a terminal.	

			3. Write ALPs to generate waveformsusingADCinterface. 4. Write ALP to interface an LCD displayandtodisplayamessage on it. 5. Write ALP to interface a StepperMotorto8051torotate the motor. 6. Write ALP to interface ADC-0804andconvertananaloginput connected to it.	
			HDL Lab(Fifth semester) **PARTA:Programming** 1. Write Verilog program for the followingcombinational designalong with test bench to verify the design: a. 2 to 4 decoder realization using NANDgatesonly(structuralmodel) b. 8 to 3 encoder with priority and withoutpriority(behaviouralmodel) c. 8to1multiplexerusingcase statement and if statements d. 4-bitbinarytograyconverterusing 1-bit gray to binary converter 1-bit adder and subtractor 2. ModelinVerilogforafulladderand addfunctionality to perform logical operations of XOR, XNOR, AND and OR gates. Write test bench withappropriateinputpatternstoverify the modeled behavior. 3. Verilog 32-bit ALU shown in figure below and verify the functionality of ALU by selecting appropriatetest patterns.ThefunctionalityoftheALUis presented in Table 1. a. Write test bench to verify the functionalityoftheALUconsideringall possible input patterns b. Theenablesignalwillsettheoutput to required functions if enabled, if disabled all the outputs are set to tri-state c. Theacknowledgesignalissethigh after every operation is completed	

			Result[32:0] 4. WriteVerilogcodeforSR,D and JK and verifythe flip flop. 5. WriteVerilogcodefor4-bit BCD synchronous counter. 6. WriteVerilogcodeforcounter with given input clock and check whether it works asclock divider performingdivisionofclockby2, 4, 8 and 16. Verify the functionality of the code. **PART-B: Interfacing andDebugging (EDWinXP, PSpice,MultiSim,Proteus, CircuitLab or any otherequivalenttoolcanbe used)** 1. WriteaVerilogcodetodesign a clock divider circuit that generates 1/2, 1/3rd and 1/4thclock from a giveninputclock.Portthedesign to FPGA and validate the functionality through oscilloscope. 2. InterfaceaDCmotortoFPGA andwriteVerilogcodetochange its speed and direction. 3. Interface a Stepper motor to FPGA and write Verilog code to controltheSteppermotorrotation which in turn may control a RoboticArm.Externalswitchesto be used for different controls like rotate the Stepper motor (i) +N steps if Switch no.1 of a Dip switch is closed (ii) +N/2 steps if Switch no. 2 of a Dip switch is closed(iii)–NstepsifSwitchno. 3 of a Dip switch is closed etc.	

			4. InterfaceaDACtoFPGAand write Verilog code to generate Sine wave of frequency F KHz (eg. 200 KHz)frequency.Modifythecode to down sample the frequency to F/2KHz.DisplaytheOriginaland Down sampled signals by connecting them to an oscilloscope. 5. WriteVerilogcodeusingFSM to simulate elevator operation. 6. WriteVerilogcodetoconvert an analog input of a sensor to digital form and to display the same on a suitable display like set ofsimple LEDs,7-segmentdisplaydigitsor LCDdisplay.	
			EmbeddedSystemslab(Sixth semester) **PARTA:** 1. ALPtomultiplytwo16bit binary numbers. 2. ALPtofindthesumoffirst10 integer numbers. 3. ALPtofindthenumberofO's and 1's in a 32 bit data 4. ALPtofinddeterminewhether the given 16 bit is even or odd 5. ALPtowritedatatoRAM **PARTB:** 6. Display''Helloworld"message using internal UART 7. InterfaceandControlthespeed	

			ofaDC Motor. 8. InterfaceaSteppermotorand rotate it in clockwise and anti-clockwise direction. 9. Interface a DAC and generate TriangularandSquarewaveforms. 10. Interfacea4x4keyboardand display thekey codeon anLCD. 11. Demonstratetheuseofan externalinterrupttotogglean LED On/Off. 12DisplaytheHexdigits0toFon a 7-segment LED interface, with an appropriate delay. 13. Measure Ambient temperatureusingasensorand SPI ADC IC.	
5		Advanced Communication lab	Analogcircuitslab(Fourth semester) **PARTA:HardwareExperiments** 1. DesignandsetuptheCommon Source JFET/MOSFET amplifier andplotthefrequencyresponse. 2. Design and set up the BJT commonemittervoltageamplifier with and without feedback and determine the gain- bandwidth product, input and output impedances. 3. Design and set-up BJT/FET i) ColpittsOscillator,andii)Crystal Oscillator	

			4. Design active second order Butterworthlowpassandhigh pass filters. 5. DesignAdder,Integratorand DifferentiatorcircuitsusingOp-Amp 6. Testacomparatorcircuitand designaSchmitttriggerforthe given UTP and LTP values and obtain the hysteresis. 7. Design4bitR–2ROp-Amp Digital toAnalog Converter (i) using 4 bit binary input from toggle switches and (ii) by generatingdigitalinputsusing mod-16 counter. 8. Design Monostable and a stableMultivibratorusing555 Timer. **PART-B:SimulationusingEDA software** (EDWinXP, PSpice, MultiSim, Proteus, CircuitLab or any other equivalent tool can be used) 1. RCPhaseshiftoscillatorand Hartley oscillator 2. NarrowBand-passFilterand Narrow band-reject filter 3. PrecisionHalfandfullwave rectifier 4. Monostable and A stable Multivibratorusing555Timer.	
			Communicationlab(Sixth semester) **PART-A:Expt.ltoExpt.5haveto**	

			beperformedusingdiscrete components. 1. Amplitude Modulation and Demodulation:i)StandardAM, ii)DSBSC(LM741andLF398 ICs canbeused) 2. Frequency modulation and demodulation(IC8038/2206can be used) 3. Pulse sampling, flat top samplingandreconstruction 4. TimeDivisionMultiplexingand Demultiplexing of two bandlimited signals. 5. FSKandPSKgenerationand detection 6. Measurement of frequency, guide wavelength, power, VSWR andattenuationinmicrowavetest bench. 7. Obtain the Radiation Pattern and Measurement of directivity andgainofmicrostripdipoleand Yagi antennas. 8. Determinationof a Coupling and isolation characteristicsofmicrostripdirectional coupler. b. Resonance characteristics of microstrip ring resonator and computationofdielectricconstant of the substrate. c.Powerdivisionandisolationof	

			microstrippowerdivider. **PART-B: Simulation Experiments using SCILAB/MATLAB/Simulinkor LabVIEW** 1. To Simulate NRZ, RZ, half-sinusoid&raisedcosinepulses and generate eye diagram for binary polar signaling. 2Pulsecodemodulationand demodulation system. 3. ComputationsoftheProbability ofbit error for coherent binary ASK, FSK and PSK for an AWGN Channel and compare them with their performance curves. 4. DigitalModulationSchemesi) DPSK Transmitter and Receiver, ii)QPSKTransmitterandReceiver.	
6		DSPlab	DSP lab(Fifthsemester) FollowingExperimentstobedone using MATLAB/ SCILAB/OCTAVE orequivalent: 1. Verification of sampling theorem(useinterpolation function). 2Linearandcircularconvolution of two given sequences, Commutative, distributive and associative property of convolution. 3. Auto and cross correlation of twosequencesandverificationof their properties 4. Solvingagivendifference	

			equation. 5. ComputationofNpointDFTof a given sequence and to plot magnitude and phase spectrum (using DFT equation and verify it by built-in routine). 6. (i)VerificationofDFTproperties (like Linearity and Parseval 's theorem, etc.) (ii) DFT computation of square pulse and Sinc function etc. 7. Design and implementation of Lowpass and High pass FIR filter tomeetthedesiredspecifications (using different window techniques)andtestthefilterwith anaudiofile.Plotthespectrumof audio signal before and after filtering. 8. Designandimplementationof a digital IIR filter (Low pass and High pass) to meet given specifications and test with an audio file. Plot the spectrum of audio signal before and after filtering. **FollowingExperimentstobe done using DSP kit** 9. ObtaintheLinearconvolution of two sequences. 10. ComputeCircularconvolution of two sequences. 11. ComputetheN-pointDFTofa given sequence. 12 Determine the Impulse responseoffirstorderandsecond	

			ordersystem. 13.Generationofsinewaveand standard test signals	
			CCNlab(Seventhsemester) **PART-A: Simulation experimentsusingNS2/NS3/ OPNET/ NCTUNS/ NetSim/QuaiNetoranyother equivalent tool** 1. Implement a point to point network with four nodes and duplex links between them. Analyzethenetworkperformance by setting the queue size and varying the bandwidth. 2. Implementafournodepointto point network with links n0-n2, nl-n2andn2-n3.ApplyTCPagent betweenn0-n3andUDPbetween nl-n3.Applyrelevantapplications over TCP and UDP agents changing the parameter and determinethenumberofpackets sent by TCP/UDP. 3. ImplementEthernetLANusing n (6-10) nodes. Compare the throughputbychangingtheerror rate and data rate. 4. ImplementEthernetLANusing n nodes and assign multiple traffic to the nodes and obtain congestion window for different sources/ destinations. 5. Implement ESS with transmission nodes in Wireless LANandobtaintheperformance parameters.	

			6.ImplementationofLinkstate routing algorithm. **PART-B:Implementthe following in C/C++** 1. Write a program for a HLDC frametoperformthefollowing. i)Bitstuffing iil)Characterstuffing. 2 Write a program for distance vectoralgorithmtofindsuitable path for transmission. 3. ImplementDijkstra'salgorithm to compute the shortest routing path. 4. For the given data, use CRC-CCITTpolynomialtoobtainCRC code.Verifytheprogramforthe cases aWithout error b.Witherror 5. Implementation of Stop and WaitProtocolandSlidingWindow Protocol 6. Writeaprogramforcongestion controlusingleakybucket algorithm	
7		Electricallab	Basic Electrical Engineering lab(Firstandsecondsemester) 1 VerificationofKCLandKVLfor DC circuits 2 Verificationofmaximumpower	

			theorem. 3 MeasurementofCurrent,Power, andPowerFactorofIncandescent Lamp, Fluorescent Lamp and LED Lamp. 4 MeasurementofResistanceand Inductance of a Choke coil using three voltmeter method. 5 Determination of Phase and Linequantitiesinthree-phasestar and delta connected loads. 6 Measurementof3-phase PowerusingTwoWattmeter Method. 7 Determinationofefficiencyofa single-phase transformer by direct load test. 8 Two Way and Three-Way ControlofLampandFormationof Truth Table. 9 MeasurementofEarth Resistance 10 StudyoftheeffectofOpen andShortcircuitsinsimple circuits	

Sl. No.	**Department**	**LaboratoryName**	**List ofExperiments**	**Remarks**
	CIVIL ENGINEERING	COMPUTER AIDEDBUILDING PLANNINGAND DRAWING	DrawingsRelatedtoDifferent BuildingElements: Followingdrawings aretobeprepared forthedatagivenusingCADSoftware a)CrosssectionofFoundation, masonrywall,RCCcolumnswith isolated&combinedfootings. b)Differenttypesofbondsinbrick	

			masonry. c) Differenttypesofstaircases–Dog legged, Open well. d) Lintelandchajja. e) RCCslabsandbeams. f) Crosssectionofapavement. g) SepticTankandsedimentation Tank. h) Layout plan of Rainwater rechargingandharvestingsystem. i) Crosssectionaldetailsofaroadfora Residential area with provision for all services.¸ j) Steel truss (connections Bolted). Building Drawings: Principles of planning, Planning regulations and building bye-laws, factors affecting site selection, Functional planning of residentialandpublicbuildings,design aspects for different public buildings. Recommendations of NBC. Drawing of Plan, elevation and sectional elevationincluding electrical, plumbing and sanitary services using CAD softwarefor: 1. Singleanddoublestoryresidential building. 2. Hostelbuilding. 3. Hospitalbuilding. 4. Schoolbuilding.	
		BUILDING MATERIALS TESTING LABORATORY	1. Tensiontestonmildsteeland HYSD bars. 2. Compressiontestonmildsteel,cast iron and wood. 3. Torsiontestonmildsteelcircular sections. 4. BendingTestonWoodUndertwo point loading. 5. ShearTestonMildsteel-singleand double shear. 6. ImpacttestonMildSteel(Charpy&Izo d). 7. Hardnesstestsonferrousandnon-ferrous metals- Brinell's, Rockwell	

			andVicker's. 8. TestsonBricks,TilesandConcrete Blocks. 9. Tests on Fine aggregates-Moisture content,Specificgravity,Bulkdensity, Sieve analysis and Bulking. 10. Tests on Coarse aggregates-Absorption, Moisturecontent, specific gravity, Bulk density and Sieve analysis. 11. DemonstrationofStraingauges andStrainindicators.	
		ENGINEERING GEOLOGY LABORATORY	1. Physicalpropertiesofminerals: Identificationof i. Rock Forming minerals - Quartz group,Feldspargroup,Garnetgroup, Mica group & Talc, Chlorite, Olivine,Asbestos, Calcite,Gypsum, etc ii. Ore forming minerals- Magnetite, Hematite,Pyrite,Pyralusite, Graphite, Chromite, etc 2. EngineeringPropertiesofRocks: Identificationof i. Igneousrocks-TypesofGranites, Dolerite, GranitePorphyry, Basalt, Pumiceetc ii. Sedimentary rocks- Sandstone, Limestone,Shale,Laterite,Brecciaetc iii. Metamorphicrocks-Gneiss,Slate, Schist, Marble, Quartzite etc 3. Boreholeproblems: Determination ofsubsurfacebehaviorofrocks,their attitude related to foundation, tunnels, reservoirs and mining. Triangular and Square methods. (2 methods) 4. DipandStrikeproblems.Determine Apparent dip and True dip. (2 methods) 5. Calculation of Vertical, True thicknessandwidthoftheoutcrops.(3 methods) 6. StudyofToposheetsand Interpretation,ExtractionofDrainage	

			BasinanditsMorphometricAnalysis. (3Toposheets) 7. Interpretation and drawing of sectionsforgeologicalmapsshowing tiltedbeds,faults,unconformitiesetc. (10 Maps) 8. InterpretationofSatelliteImages.(2 Satellite images) 9. Field work– To identify Minerals, Rocks,GeomorphologyandStructural features with related to the Civil Engineeringprojects.	
		FLUID MECHANICSAND HYDRAULIC MACHINES LABORATORY	1. VerificationofBernoulli'sequation. 2. Determination of Cd for VenturimeterandOrificemeter. 3. Determination of hydraulic coefficientsofsmallverticalorifice. 4. DeterminationofCdforRectangular and Triangular notch 5. DeterminationofCdforOgeeand Broad crested weir 6. DeterminationofCdfor Venturiflume 7. Determinationofforceexertedbya jet on flat and curved vanes. 8. Determinationofefficiencyof Pelton wheel turbine 9. Determinationofefficiencyof Francis turbine 10. Determinationofefficiencyof Kaplan turbine 11. Determinationofefficiencyof centrifugal pump 12. DeterminationofMajorLossin Pipes 13. DeterminationofMinorlossesin pipe due to sudden enlargement, suddencontractionand bend.	
		SURVEYING PRACTICE	1. a)Measurementsofdistancesusing tapealongwithhorizontalplanes and slopes, direct ranging. b)Settingoutperpendiculars.Useof cross staff, optical square. 2. Measurements of bearings / directionsusingprismaticcompass,	

			settingofgeometricalfiguresusing prismatic compass. 3. Determination of distancebetween twoinaccessiblepointsusingcompass 4. Determinationofreducedlevelsof points using dumpy level/auto level (simple leveling) 5. Determinationofreducedlevelsof points using dumpy level/auto level (differential leveling and inverted leveling). 6. To determine the difference in elevation between two points using Reciprocallevelingandtodetermine the collimation error. 7. To conduct profile leveling, cross sectioningandblockleveling.Plotting profile and cross sectioning in excel. Blockcontourongraphpapertoscale. 8. Measurementofhorizontalangleby repetitionandreiterationmethodsand Measurement of vertical angles using theodolite. 9. Determinationofhorizontal distance and vertical height to a base in accessible object using theodolite by singleplaneanddoubleplane method. 10. To determine distance and elevationusingtachometricsurveying with horizontal and inclined line of sight. 11. Closed traverse surveying using Theodolite and applying corrections forerrorofclosurebytransitruleand Bowditch rule. 12. To locate the points using RadiationandIntersectionmethodof Plane table surveying. 13. To solve three point problem in planetableusingBessel'sgraphical solution. 14. Demonstration of Minor instrumentslikeClinometer,Ceylon Ghattracer,Boxsextant,Handlevel, Planimeter,nauticalextantandPenta	

			graph.	
		CONCRETEAND HIGHWAY MATERIALS LABORATORY	PartA:ConcreteLab 1.TestsonCement: a. NormalConsistency b. Settingtime c. Compressivestrength d. finenessbyairpermeabilitytest e. specificgravity 2. TestsonConcrete: a. DesignofconcretemixasperIS-10262 b. Testsonfreshconcrete: i. slump, ii. compactionfactorand iii. VeeBeetest c.Tests onhardenedconcrete: i. compressivestrengthtest, ii. splittensilestrengthtest, iii. flexuralstrengthtest d.NDTtestsbyreboundhammerand pulse velocity test. 3. TestsonSelfCompactingConcrete: a. Designofselfcompactingconcrete, Asper Is10262:2019 b. slumpflowtest, c. V-funneltest, d. J-Ringtest, e. UBoxtestand f. LBoxtest PartB:HighwaymaterialsLab 1. TestsonAggregates a. AggregateCrushingvalue b. LosAngelesabrasiontest c. Aggregateimpacttest d. Aggregateshapetests(combined index and angularity number) 2. TestsonBituminousMaterials a. Penetrationtest b. Ductility test c. Softeningpointtest d. Specificgravitytest e. Viscositytest bytarviscometer f. BituminousMixDesignbyMarshal Method (Demonstration only) 3.TestsonSoil	

			a. Wetsieveanalysis b. CBR test	
		SOFTWARE APPLICATION LABORATORY	Module-1 Useofcivilengineeringsoftware's: Use of software's for: 1. Analysis of plane trusses, continuousbeams,portalframes. 2. 3Danalysisofmultistoriedframe structures. Module-2 1. Project Management-Exerciseon Projectplanningandschedulingofa building project using any projectmanagementsoftware: a. Understandingbasicfeaturesof Project management software b. Constructing Project: create WBS, Activities,andtasksandComputation Time using Excel spread sheet andtransferringthesametoProject management software. c. IdentificationofPredecessorand Successor activities withconstrain d. Constructing Network diagram (AONDiagram)andanalyzingfor Criticalpath,Criticalactivitiesand Other non Critical paths, Project duration, Floats. e. StudyonvariousViewoptions available f. BasicunderstandingaboutResource Creation and allocation g. UnderstandingaboutSplittingthe activity, Linking multiple activity, assigning Constrains, Merging Multipleprojects,CreatingBaseline Project 1. GISapplicationsusingopensource software: a. Tocreateshapefilesforpoint,line and polygon features with a map as reference. b. Tocreatedecisionmapsforspecific purpose. Module-3	

			UseofEXCELspreadsheets: Designofsinglyreinforcedanddoubly reinforced rectangular beams, design of one way and two way slabs, computation of earthwork, Design of horizontal curve by offset method, Designofsuperelevation.	
		ENVIRONMENTAL ENGINEERING LABORATORY	1. Preparation chemical solutions requiredforanalysisandsampling methodologies 2. DeterminationofpH, Conductivity, TDS and Turbidity. 3. DeterminationofAcidityand Alkalinity 4. Determination of Calcium, MagnesiumandTotalHardness. 5. DeterminationofDissolvedOxygen 6. DeterminationofBOD. 7. DeterminationofChlorides 8. Determinationofpercentageof%of availablechlorine in bleachingpowder sample, Determination of ResidualChlorineandchlorine demand. 9. DeterminationofSolidsinSewage: i)TotalSolids,ii)SuspendedSolids, iii) Dissolved Solids, iv) VolatileSolids,FixedSolidsv) Settleable Solids. 10. Determinationof optimum coagulantdosageusingJartest apparatus. 11. DeterminationNitratesandIronby spectrophotometer 12. Determination of COD(Demonstration) 13. AirQualityMonitoring (Demonstration) 14. DeterminationofSoundbySound level meter at different locations (Demonstration)	
		COMPUTER AIDED DETAILING OF STRUCTURES	Module-1DetailingofRCC Structures ·Beams–Simplysupported, Cantilever and Continuous.	

			· Slab–Oneway,TwowayandOne-way continuous. · Staircase–Doglegged · CantileverRetainingwall · CounterFortRetainingwall · CircularWaterTank,Rectangular Water Tank. Module-2DetailingofSteel Structures 1. Connections–Beamtobeam,Beam to Column by Bolted and Welded Connections. 2. Built-upColumnswithlacingsand battens 3. ColumnbasesandGussetedbases withboltedandweldedconnections. 4. RoofTruss–WeldedandBolted 5. WeldedPlategirder 6. GantryGirder	
		GEOTECHNICAL ENGINEERING LABORATORY	1. Fieldidentificationofsoil,Specific gravity test (pycnometer and density bottle method). Water content determination by oven drying and Pycnometer method, rapid moisture meter method. 2. Grainsizeanalysis i. Sieveanalysis ii. Hydrometeranalysis 3.In-situdensitytests i. Core-cuttermethod ii. Sandreplacementmethod 4.Consistencylimits i. Liquidlimittest(byCasagrande'sand cone penetration method) ii. Plasticlimittest iii. Shrinkagelimittest 5. Standardcompactiontest(lightand heavy compaction) 6. Co-efficientofpermeabilitytest i. Constantheadtest ii. Variableheadtest 7.Shearstrengthtests i. Unconfinedcompressiontest ii. Directsheartest iii. Triaxialtest(unconsolidated	

			undrainedtest only) 8. Consolidationtest:Todeterminepre consolidation pressure only(half an hour per loading-test). 9. Laboratoryvanesheartest 10. DemonstrationofSwellpressure test, Standard penetration test and boringequipment	

Sl. No.	Department	Laboratory Name	ListofExperiments	Remarks
	Mechanical Engineering	Material Testing lab	1 Preparation of specimen for Metallographic examinationofdifferentengineeringmaterials. Toreportmicrostructuresofplaincarbonsteel, tool steel, gray C.I, SG iron, Brass, Bronze &composites. 2 Heat treatment: Annealing, normalizing, hardening and tempering of steel. Metallographic specimens of heat treated componentstobesuppliedandstudentsshould reportmicrostructuresoffurnacecooled,water cooled, air cooled, tempered steel. Students shouldbeabletodistinguishthephasechanges in a heat treated specimen compared to untreated specimen. 3 Brinell,RockwellandVickers'sHardnesstests on untreated and heat treated specimens. 4 To study the defects of Cast and Welded componentsusingNon-destructivetestslike: a) Ultrasonicflaw detection b) Magneticcrackdetection c) Dyepenetration testing.	

			PARTB 5 Tensile,shearandcompressiontestsofsteel, aluminum and cast iron specimens using Universal Testing Machine 6 TorsionTestonsteelbar. 7 BendingTest onsteelandwoodspecimens. 8 IzodandCharpyTestsonMildsteelandC.I Specimen. 9 Tostudythewearcharacteristicsofferrous and non-ferrous materials under different parameters. 10 Tensile,shearandcompressiontestsofsteel, aluminum and cast iron specimens using Universal Testing Machine 11 FatigueTest(demonstrationonly)	
		Mechanical Measurementsand Metrology lab	1 CalibrationofPressureGauge 2 CalibrationofThermocouple 3 CalibrationofLVDT 4 CalibrationofLoadcell 5 Determinationofmodulusofelasticityofa mild steel specimen using straingauges. PARTB 6 MeasurementsusingOpticalProjector/Tool makers' Microscope. 7 MeasurementofangleusingSineCentre/Sine bar / bevelprotractor	

			8 Measurementofalignmentusing Autocollimator / Rollerset 9 Measurementofcuttingtoolforcesusing: Lathe tool Dynamometer 10 MeasurementsofScrewthreadparameters using two wire or three -wiremethods. 11 Measurementsofsurfaceroughnessusing Tally Surf/Mechanical Comparator 12 Measurementofgeartoothprofileusinggear tooth Vernier/Gear tooth micrometer 13 CalibrationofMicrometerusingslipgauges 14 MeasurementusingOpticalFlats	
		Workshop and Machine Shop Practice (Consists of Fitting, and Machining)	1 Preparationofatleasttwofittingjointmodels by proficient handling and application of hand tools- V block,markinggauge,files,hacksawdrillsetc. PART B 2 Preparation of three models on lathe involving-Plainturning,Taperturning,Step turning, Thread cutting, Facing, Knurling, Drilling, Boring, InternalThreadcuttingandEccentricturning. Exercisesshouldincludeselectionofcutting parameters and cutting time estimation. PARTC	

			3CuttingofVGroove/dovetail/Rectangular groove using a shaper. CuttingofGearTeethusingMillingMachine. Exercisesshouldincludeselectionofcutting parameters and cutting time estimation.	
		Foundry, Forging and Welding lab	PARTA TestingofMoldingsandandCoresand. Preparationofsandspecimensandconduction of the following tests: 1. Compression,ShearandTensiletestson Universal Sand Testing Machine. 2. Permeabilitytest 3. SieveAnalysistofindGrainFinenessNumber (GFN) of Base Sand 4. ClaycontentdeterminationonBaseSand. Welding Practice: UseofArcweldingtoolsandwelding equipment PreparationofweldedjointsusingArcWelding equipment L-Joint,T-Joint,Buttjoint,V-Joint,Lapjoints on M.S. flats PARTB FoundryPractice: Useoffoundrytoolsandotherequipmentfor	

			Preparationofmoldingsandmixture. Preparationofgreensandmoldskeptreadyfor pouring in the following cases: 1. Usingtwomoldingboxes(handcut molds). 2. Usingpatterns(SinglepiecepatternandSplit pattern). 3. Incorporatingcoreinthemold.(Core boxes). 4. Preparationofonecasting(Aluminiumor cast iron-Demonstration only) PARTC ForgingOperations:Useofforgingtoolsand other forging equipment. • Calculation of length of the raw material requiredtopreparethemodelconsideringscale loss. • Preparingminimumthreeforgedmodels involvingupsetting,drawingandbending operations.	
		FLUID MECHANICS AND MACHINES LAB	PARTA 1 Lablayout,calibrationofinstrumentsand standards to be discussed 2 Determinationofcoefficientoffrictionof flow in a pipe. 3 Determinationofminorlossesinflowthrough pipes. 4 Application of momentum equation for determinationofcoefficientofimpactofjetson	

			flat andcurvedblades 5 Calibrationofflowmeasuringdevices. PART B 6 PerformanceonhydraulicTurbinesa.Pelton wheel b. Francis Turbine c. Kaplan Turbines 7 PerformancehydraulicPumpsd.Singlestage and Multi stage centrifugal pumps e. Reciprocatingpump. 8 PerformancetestonatwostageReciprocating Air Compressor. 9 PerformancetestonanAirBlower. PART C (OPTIONAL) 10 VisittoHydraulicPowerstation/Municipal Water Pump House and Case Studies 11 Demonstrationofcutsectionmodelsof Hydraulic turbines and Pumps.	
		ENERGY CONVERSION LABORATORY	PARTA 1 Lablayout,calibrationofinstrumentsand standards to be discussed 2 DeterminationofFlashpointandFirepointof lubricating oil using Abel Pensky and Marten's (closed) / Cleveland's (Open Cup) Apparatus. 3 DeterminationofCalorificvalueofsolid, liquid and gaseous fuels. 4 DeterminationofViscosityoflubricatingoil using Redwoods, Saybolt and Torsion	

			Viscometers. 5 ValveTiming/portopeningdiagramofanI.C. Engine. PARTB 6 Performance Tests on I.C. Engines, CalculationsofIP,BP,Thermalefficiency, Volumetric efficiency, Mechanicalefficiency,SFC,FP,A:FRatio,heat balance sheet for a. FourstrokeDiesel Engine b. FourstrokePetrolEngine c. MultiCylinderDiesel/PetrolEngine,(Morse test) d. TwostrokePetrolEngine VariableCompressionRatioI.C.Engine. 7MeasurementsofExhaustEmissionsofPetrol engine. 8MeasurementsofExhaustEmissionsofDiesel engine. PART C(OPTIONAL) 9VisittoAutomobileIndustry/servicestations. 10Demonstrationofpθ,pVplotsusing Computerized IC engine test rig	
		COMPUTER AIDED	PARTA 1StudyofaFEApackageandmodeling and	

		MODELLINGAND ANALYSIS LAB	stressanalysisof: a. Barsofconstantcrosssectionarea,tapered cross section area and stepped bar b. Trusses–(Minimum2exercisesofdifferent types) c. Beams–Simplysupported,cantilever,beams withpointload,UDL,beamswithvaryingload etc. (Minimum6exercises) d. Stressanalysisofarectangularplatewitha circular hole. PARTB 2ThermalAnalysis–1D&2Dproblemwith conduction and convection boundary conditions (Minimum 4exercisesofdifferenttypes) 3 Dynamic Analysis to find: a) Naturalfrequencyofbeamwithfixed–fixed end condition b) Responseofbeamwithfixed–fixedend conditions subjected to forcing function c) ResponseofBarsubjectedtoforcing functions PARTC(only fordemo) 4a.Demonstratetheuseofgraphicsstandards (IGES, STEP etc) to import the model from modeler tosolver.	

			b.Demonstrateoneexampleofcontactanalysis to learn the procedure to carry out contact analysis. c.Demonstrateatleasttwodifferenttypesof example to model and analyze bars or plates made fromcomposite material.	
		HEAT TRANSFER LAB	PARTA 1 DeterminationofThermalConductivityofa Metal Rod. 2 DeterminationofOverallHeatTransfer Coefficient of a Composite wall. 3 DeterminationofEffectivenessonaMetallic fin. 4 DeterminationofHeatTransferCoefficientin free Convection 5 DeterminationofHeatTransferCoefficientin a Forced Convention 6 DeterminationofEmissivityofaSurface. PART B 7 DeterminationofStefanBoltzmannConstant. 8 DeterminationofLMDTandEffectivenessin a Parallel Flow and Counter Flow Heat Exchangers. 9 ExperimentsonBoilingofLiquidand Condensation of Vapour.	

			10 PerformanceTestonaVapourCompression Refrigeration. 11 PerformanceTestonaVapourCompression Air – Conditioner. 12 ExperimentonTransientConductionHeat Transfer. PART C(OPTIONAL) 13 Analysis of steady and transient heat conduction,temperaturedistributionofplane wall and cylinder usingNumericalapproach(ANSYS/CFD package). 14 Determination of temperature distribution alongarectangularandcircularfinsubjectedto heat loss throughconvectionusingNumericalapproach (ANSYS/CFD package).	
		COMPUTRE AIDED MANUFACTURING LAB	PART - A 1 Manual CNC part programming using ISO FormatG/Mcodesfor2turningand2milling parts. Selection andassignmentoftools,correctionofsyntax and logical errors, and verification of tool pathusing CNC programverificationsoftware. PART - B 2 CNCpartprogrammingusing CAM packages.	

			SimulationofTurning,Drilling,Milling operations. 3 typical simulations to be carried out using simulation packages like: CademCAMLab-Pro, Master CAM. Program generation using software. Optimizespindlepower,torqueutilization,and cycle time. Generation and printing of shop documents like process and cycle time sheets, tool list, and tool layouts. Cutthe part in single block and auto mode and measure the virtual partonscreen.PostprocessingofCNCprograms for standardCNC control systems like FANUC, SINUMERIC and MISTUBISHI. PART - C 3(OnlyforDemo/Vivavoce) FMS (Flexible Manufacturing System): ProgrammingofAutomaticstorageand Retrieval system (ASRS) and linear shuttle conveyor Interfacing CNC lathe,millingwithloadingunloadingarmand ASRStobe carriedoutonsimplecomponents. Robot programming: Using Teach Pendent & Offlineprogrammingtoperformpickandplace, stacking of objects (2 programs). Pneumatics and Hydraulics, Electro-Pneumatics:3typicalexperimentsonBasicsof these topics to be conducted.	

		DESIGN LAB	PART - A 1 Determination of natural frequency, logarithmicdecrement,dampingratioand damping coefficient in a singledegreeoffreedomvibratingsystems (longitudinal and torsional). 2 Balancingofrotatingmasses 3Determinationofcriticalspeedofarotating shaft 4 Determination of equilibrium speed, sensitiveness,powerandeffortofPorter/Proell /HartnelGovernor. PART - B 5 DeterminationofFringeconstantofPhoto-elastic material using. a) Circulardiscsubjectedtodiametral compression. b) Purebendingspecimen(four-pointbending. 6 Determinationofstressconcentrationusing Photo-elasticity for simple components like plate with a hole under tension or bending, circular disk withcircularholeundercompression,2DCrane hook 7 DeterminationofPressuredistributionin Journal bearing 8 DeterminationofPrincipalStressesandstrains in a member subjected to combined loading	

			usingStrain rosettes. 9DeterminationofstressesinCurvedbeam using strain gauge	

Sl. No.	Department	Laboratory Name	Listof Experiments	Remarks
1	AIML	DataStructure Lab	https://vtu.ac.in/pdf/2018syll/is.pdf	
2	AIML	Microcontroller Lab		
3	AIML	Mobile Application Development		
4	CSE		2018scheme-labexperiments 2021scheme-labexperiments	
Sl. No.	Department	Laboratory Name	Listof Experiments	Remarks
1	ISE	DataStructure Lab	https://vtu.ac.in/pdf/2018syll/is.pdf	
2	ISE	Microcontroller Lab		
3	ISE	FileStructure Lab		
4	ISE	Software TestingLab		

5	ISE	Analysisand Design Lab		
6	ISE	Web Programming Lab		
7	ISE	Machine LearningLab		
8	ISE	Mobile Application Development		
Sl. No.	Department	Laboratory Name	Listof Experiments	Remarks
1	ISE	DataStructure Lab		
2	ISE	Microcontroller Lab		
3	ISE	FileStructure Lab		
4	ISE	Software TestingLab		
5	ISE	Analysisand Design Lab	https://vtu.ac.in/pdf/2018syll/is.pdf	
6	ISE	Web Programming Lab		
7	ISE	Machine LearningLab		
8	ISE	Mobile Application Development		

15.3 ComputingFacilities

- InternetBandwidth:300MBPS
- NumberandconfigurationofSystem:
- Totalnumber of systemsconnectedbyLAN:
- Totalnumberofsystem connectedbyWAN:
- Majorsoftwarepackagesavailable:
- Special purpose facilities available (Conduct of online Meetings/Webinars/Workshops, etc.)
- Facilitiesforconductofclasses/coursesinonlinemode(Theory&Practical)
- InnovationCell
- SocialMediaCell-

15.4 ComplianceoftheNationalAcademicDepository(NAD),applicableto PGCM/ PGDM Institutions and University Departments

15.5 Listoffacilitiesavailable

Games and Sports Facilities
SPORTSINFRASTRUCTURE

Facility	Quantity (No's)	Area/size(mx m) includeextraspace	Yearof establishment
Playground	3	16187sqm	1997
Basketballcourt	1	32X19	1997
Volleyballcourt	1	24X15	1997
Handball	1	40X20	1997
Throwballcourt	1	22X15	1997
Kabaddicourt	2	30X24	1997
Kho-kho	1	30X30	1997
Netball	1	40X25	1997
Cricketground	1	60mts5acers	1997

Footballground	1	110X70	1997
Athletictrack200m	1	5acers	1997
Indoor		Multi-purpose Indoorstadium	2008
Multi gym	1	50sqm	2008
Shuttlebadmintoncourt	2	446sqm	2008
Chess	5		1997
Tabletennis	1		2008
Caroms	1		2008

+5.5Listoffacilitiesavailable

- Games and Sports Facilities +Description

SPORTSINFRASTRUCTURE

Facility	Quantity (No's)	Area/size(mx m) include extra space	Year of establishment
Playground	3	16187sqm	1997
Basketballcourt	1	32X19	1997
Volleyballcourt	1	24X15	1997
Handball	1	40X20	1997
Throwballcourt	1	22X15	1997
Kabaddicourt	2	30X24	1997
Kho-kho	1	30X30	1997
Netball	1	40X25	1997
Cricketground	1	60mts5acers	1997
Footballground	1	110X70	1997
Athletictrack200m	1	5acers	1997
Indoor		Multi-purpose Indoorstadium	2008
Multi gym	1	50sqm	2008
Shuttlebadmintoncourt	2	446sqm	2008
Chess	5		1997
Tabletennis	1		2008
Caroms	1		2008

- Extra-Curricular Activities:Yoga center

Teaching Learning Process (TLP)

- Curriculum and syllabus for each of the Programmes as approved by the University

Sl. No.	BRANCH	Scheme	Link
1	Electronics & Communication Engineering	2018	https://vtu.ac.in/pdf/2018syll/is.pdf  2018SCHEMESYLLABUS.pdf
		2021	https://vtu.ac.in/pdf/2021syll/isesch.pdf  2021SYLLABUS.pdf
		2022	https://vtu.ac.in/pdf/2022_3 to 8/2ecesyll.pdf
2	Computer Science & Engineering	2018	https://vtu.ac.in/pdf/2018syll/cs.pdf
		2021	https://vtu.ac.in/pdf/2021syll/csesch.pdf
		2022	https://vtu.ac.in/pdf/2022_3to8/2csessyll.pdf https://vtu.ac.in/pdf/2022_3to8/3csesyll.pdf https://vtu.ac.in/pdf/2022_3to8/6csesyll.pdf https://vtu.ac.in/pdf/2022_3to8/7csesyll.pdf
3	Information Science &Engineering	2018	https://vtu.ac.in/pdf/2018syll/is.pdf
		2021	https://vtu.ac.in/pdf/2021syll/isesch.pdf
		2022	https://vtu.ac.in/pdf/2022_3to8/2issyll.pdf https://vtu.ac.in/pdf/2022_3to8/3issyll.pdf https://vtu.ac.in/pdf/2022_3to8/6issyll.pdf https://vtu.ac.in/pdf/2022_3to8/7issyll.pdf
4	Artificial Intelligence & Machine Learning	2018	https://vtu.ac.in/pdf/2018syll/me.pdf
		2021	https://vtu.ac.in/pdf/2021syll/mesch.pdf
		2022	https://vtu.ac.in/pdf/2022_3to8/2aimlsyll.pdf https://vtu.ac.in/pdf/2022_3to8/3aimlsyll.pdf https://vtu.ac.in/pdf/2022_3to8/7aimlsyll.pdf
5	Mechanical Engineering	2018	https://vtu.ac.in/pdf/2018syll/cv.pdf
		2021	https://vtu.ac.in/pdf/2021syll/cvsch.pdf
		2022	https://vtu.ac.in/pdf/2022_3to8/2mecsyll.pdf https://vtu.ac.in/pdf/2022_3to8/3mecsyll.pdf https://vtu.ac.in/pdf/2022_3to8/4mecsyll.pdf
6	Civil Engineering	2018	https://vtu.ac.in/pdf/2018syll/ai.pdf
		2021	https://vtu.ac.in/pdf/2021syll/aisch.pdf
		2022	https://vtu.ac.in/pdf/2022_3to8/civsch.pdf https://vtu.ac.in/pdf/2022_3to8/58civsch.pdf https://vtu.ac.in/pdf/2022_3to8/2civsyll.pdf https://vtu.ac.in/pdf/2022_3to8/3civsyll.pdf https://vtu.ac.in/pdf/2022_3to8/4civsyll.pdf

For each Post Graduate Course give the following:

- Title of the Course

  -NA-
- Curricula and Syllabi

  -NA-
- Laboratory facilities exclusive to the Post Graduate Course

  -NA-

15.8SpecialPurpose

- Software, all design tools in case
  - Cadence

- Academic Calendar and framework