Mandatory Disclosure

1. Name of the Institution

Vidya Jyothi Institute of Technology
C.B. Post, Aziznagar – 500 075, Hyderabad, Telangana, India
Telephone: 08413 – 235300, 235399
Principal Office: +91-98668 53636
Email: principalvjit@vjit.ac.in

2. Name and address of the Trust/ Society/ Company and the Trustees

Vidya Jyothi Educational Society
C.B. Post, Aziznagar – 500 075, Hyderabad, Telangana, India
Telephone: 08413 – 235300, 235399
Mobile: +91- 7373637637
Email: principalvjit@vjit.ac.in

3. Name and Address of the Principal

Dr. E. Saibaba Reddy

Principal

C.B. Post, Aziznagar – 500 075, Hyderabad, Telangana, India
Telephone: 08413 – 235300, 235399
Principal Office: +91-98668 53636
Email: principalvjit@vjit.ac.in

4. Name of the affiliating University

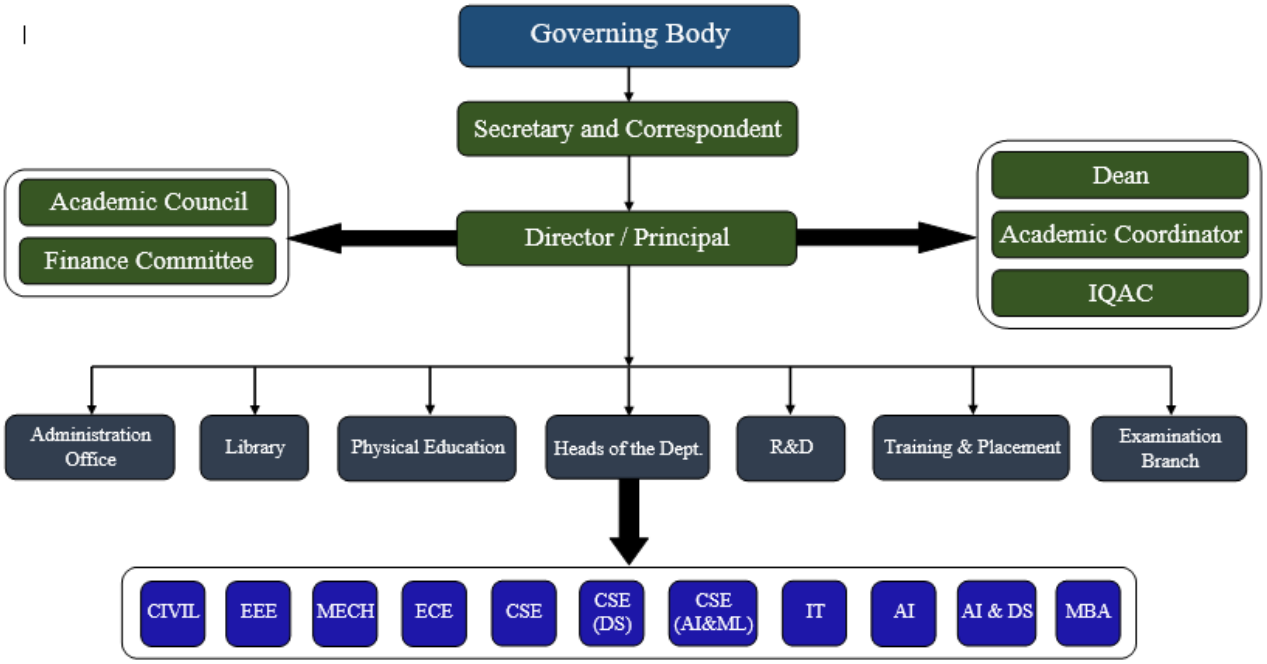
Jawaharlal Nehru Technological University, Hyderabad

5. Governance

The Details of Governing Body and Members are available at:
https://vjit.ac.in/about-us/leadership/

i. Organisational Chart

ORGANISATIONAL STRUCTURE



Committees:

ii. Grievance Redressal mechanism for Faculty, Staff and Students
https://vjit.ac.in/about-us/committees/

iii. Establishment of Anti Ragging Committee
https://vjit.ac.in/about-us/committees/

iv. Establishment of Online Grievance Redressal Mechanism
https://vjit.ac.in/about-us/committees/

v. Details of Grievance Redressal Committee in the Institute and OMBUDSMAN by the University
https://vjit.ac.in/about-us/committees/

vi. Establishment of Internal Committee (IC)
https://vjit.ac.in/about-us/committees/

vii. Establishment of Committee for SC/ST
https://vjit.ac.in/about-us/committees/

viii. Internal Quality Assurance Cell
https://vjit.ac.in/iqac/

ix. Equal Opportunity facilities cell
https://vjit.ac.in/about-us/committees/

6. Programmes

Name of Programmes approved by AICTE

SNo	Program	Level	Course
1.	Engineering And Technology	Under Graduate	Computer Science And Engineering
2.			Information Technology
3.			Computer Science And Engineering (Artificial Intelligence And Machine Learning)
4.			Computer Science And Engineering (Data Science)
5.			Artificial Intelligence
6.			Artificial Intelligence And Data Science
7.			Electronics And Communication Engineering
8.			Electrical And Electronics Engineering
9.			Mechanical Engineering
10.			Civil Engineering
11.		Post Graduate	Computer Science And Engineering
12.			Structural Engineering
13.			Electrical Power System
14.			Embedded Systems
15.			CAD/CAM
16.	Management	Post Graduate	MBA

Name of Programmes Accredited by NBA

SNo	Program	Level	Course
1.	Engineering And Technology	Under Graduate	Computer Science And Engineering
2.			Information Technology
3.			Electronics And Communication Engineering
4.			Electrical And Electronics Engineering
5.			Mechanical Engineering
6.			Civil Engineering

NBA Letters:

1. **UG B.Tech CSE, IT, ECE, EEE & ME:**
   https://vjit.ac.in/wp-content/uploads/2022/05/NBA-All-Depts.pdf

2. **UG B.Tech CE:**
   https://vjit.ac.in/wp-content/uploads/2024/04/CSE-IT-ECE-EEE-MEC-NBA-2.pdf

3. NAAC Certificate:
   https://vjit.ac.in/wp-content/uploads/2023/03/NAAC-Accreditation-Certificate.pdf

For each Programme the following details are to be given:

- *Name*
- *Number of seats*
- *Duration*
- *Cut off marks/rank of admission during the last three years*
- *Fee*
- *Placement Facilities*
- *Campus placement in last three years with minimum salary, maximum salary and average salary*

Course	**UG-B.Tech–Computer Science and Engineering**			
Number of seats	240			
Duration	4 Years			
Cut off marks/rank of admission during the last three years	2021	2022	2023	
	15023	12774	15516	
Fee	Rs.1,15,000			
Placement Facilities	Yes			
		2021-22	2022-23	2023-24
Campus placement in last three years with minimum salary, maximum salary and average salary	Number of Placements	215	175	111
	Minimum Salary	2,28,000	2,31,000	2,15,000
	Maximum Salary	15,00,000	15,00,000	10,00,000
	Average Salary	4,01,663	4,15,234	3,68,663

Course	**UG-B.Tech–Information Technology**			
Number of seats	180			
Duration	4Years			
Cut off marks/rank of admission during the last three years	2021	2022	2023	
	22639	15567	24434	
Fee	Rs.1,15,000			
Placement Facilities	Yes			
		2021-22	2022-23	2023-24
Campus placement in last three years with minimum salary, maximum salary and average salary	Number of Placements	36	115	66
	Minimum Salary	2,28,000	2,31,000	2,15,000
	Maximum Salary	15,00,000	11,50,000	10,00,000
	Average Salary	3,98,201	4,11,422	4,43,663

Course	**UG-B.Tech–Computer Science and Engineering (Artificial Intelligence &Machine Learning)**			
Number of seats	180			
Duration	4Years			
Cut off marks/rank of admission during the last three years	2021	2022	2023	
	Not Applicable	15701	21793	
Fee	Rs.1,15,000			
Placement Facilities	Yes			
Campus placement in last three years with minimum salary, maximum salary and average salary		2020-2021	2021-22	2022-23
	Number of Placements	Not Applicable	Not Applicable	Not Applicable
	Minimum Salary	Not Applicable	Not Applicable	Not Applicable
	Maximum Salary	Not Applicable	Not Applicable	Not Applicable
	Average Salary	Not Applicable	Not Applicable	Not Applicable

Course	**UG-B.Tech–Electronics and Communication Engineering**			
Number of seats	240			
Duration	4Years			
Cut off marks/rank of admission during the last three years	2021	2022	2023	
	36505	30149	38496	
Fee	Rs.1,15,000			
Placement Facilities	Yes			
Campus placement in last three years with minimum salary, maximum salary and average salary		2021-22	2022-23	2023-24
	Number of Placements	163	138	48
	Minimum Salary	2,00,000	2,21,000	1,83,000
	Maximum Salary	8,00,000	11,50,000	6,00,000
	Average Salary	3,73,256	3,98,665	3,52,554

Course	**UG-B.Tech–Electrical and Electronics and Engineering**			
Number of seats	60			
Duration	4Years			
Cut off marks/rank of admission during the last three years	2021	2022	2023	
	53847	51642	60063	
Fee	Rs.1,15,000			
Placement Facilities	Yes			
		2021-22	2022-23	2023-24

Campus placement in last three years with minimum salary, maximum salary and average salary	Number of Placements	66	54	49
	Minimum Salary	2,50,000	2,38,000	1,88,000
	Maximum Salary	12,00,000	9,00,000	6,00,000
	Average Salary	3,23,547	3,46,654	3,02,438

Course	**UG-B.Tech–Mechanical Engineering**			
Number of seats	60			
Duration	4Years			
Cut off marks/rank of admission during the last three years	2021	2022	2023	
	112503	67084	64951	
Fee	Rs.1,15,000			
Placement Facilities	Yes			
Campus placement in last three years with minimum salary, maximum salary and average salary		2021-22	2022-23	2023-24
	Number of Placements	132	115	42
	Minimum Salary	1,80,000	1,96,0000	1,88,000
	Maximum Salary	6,00,000	5,40,000	9,00,000
	Average Salary	3,01,543	3,11,674	3,03,674

Course	**UG-B.Tech–Civil Engineering**			
Number of seats	60			
Duration	4Years			
Cut off marks/rank of admission during the last three years	2021	2022	2023	
	64328	26916	101046	
Fee	Rs.1,15,000			
Placement Facilities	Yes			
Campus placement in last three years with minimum salary, maximum salary and average salary		2021-22	2022-23	2023-24
	Number of Placements	33	59	9
	Minimum Salary	1,80,000	1,96,0000	1,88,000
	Maximum Salary	4,00,000	6,00,000	4,10,000
	Average Salary	2,88,765	2,98,543	3,02,876

Course	**UG-B.Tech–CSE (Data Science)**			
Number of seats	120			
Duration	4Years			
Cut off marks/rank of admission during the last three years	2021	2022	2023	
	13970	15226	20674	
Fee	Rs.1,15,000			
Placement Facilities	Yes			
Campus placement in last three years with minimum salary, maximum salary and average salary		2021-22	2022-23	2023-24
	Number of Placements	Not Applicable	Not Applicable	Not Applicable
	Minimum Salary	Not Applicable	Not Applicable	Not Applicable
	Maximum Salary	Not Applicable	Not Applicable	Not Applicable
	Average Salary	Not Applicable	Not Applicable	Not Applicable

Course	**UG-B.Tech–Artificial Intelligence**			
Number of seats	120			
Duration	4Years			
Cut off marks/rank of admission during the last three years	2021	2022	2023	
	21040	17643	24664	
Fee	Rs.1,15,000			
Placement Facilities	Yes			
Campus placement in last three years with minimum salary, maximum salary and average salary		2021-22	2022-23	2023-24
	Number of Placements	Not Applicable	Not Applicable	Not Applicable
	Minimum Salary	Not Applicable	Not Applicable	Not Applicable
	Maximum Salary	Not Applicable	Not Applicable	Not Applicable
	Average Salary	Not Applicable	Not Applicable	Not Applicable

Course	**UG-B.Tech–Artificial Intelligence & Data Science**			
Number of seats	60			
Duration	4Years			
Cut off marks/rank of admission during the last three years	2021	2022	2023	
	-	24938	21926	
Fee	Rs.1,15,000			
Placement Facilities	Yes			
		2021-22	2022-23	2023-24

Campus placement in last three years with minimum salary, maximum salary and average salary	Number of Placements	Not Applicable	Not Applicable	Not Applicable
	Minimum Salary	Not Applicable	Not Applicable	Not Applicable
	Maximum Salary	Not Applicable	Not Applicable	Not Applicable
	Average Salary	Not Applicable	Not Applicable	Not Applicable

Course	**PG-MBA–Master of Business Administration**			
Number of seats	120			
Duration	2Years			
Cut off marks/rank of admission during the last three years	2021	2022	2023	
	4062	8040	-	
Fee	Rs.51,700			
Placement Facilities	Yes			
Campus placement in last three years with minimum salary, maximum salary and average salary		2020-2021	2021-22	2022-23
	Number of Placements	13	30	9
	Minimum Salary	2,54,000	2,18,000	2,76,000
	Maximum Salary	4,12,000	6,00,000	4,50,000
	Average Salary	2,78,587	2,81,532	3,14,234

Course	**PG-M.Tech–Computer Science & Engineering**			
Number of seats	18			
Duration	2Years			
Cut off marks/rank of admission during the last three years	2021	2022	2023	
	-	-	-	
Fee	Rs.57,000			
Placement Facilities	Yes			
Campus placement in last three years with minimum salary, maximum salary and average salary		2020-2021	2021-22	2022-23
	Number of Placements	2	2	1
	Minimum Salary	6,00,000	6,00,000	7,00,000
	Maximum Salary	6,00,000	12,00,000	7,00,000
	Average Salary	6,00,000	8,00,000	7,00,000

Course	**PG-M.Tech–VLSI**			
Number of seats	24			
Duration	2Years			
Cut off marks/rank of admission during the last three years	2021	2022	2023	
	-	-	-	
Fee	Rs.57,000			
Placement Facilities	Yes			
Campus placement in last three years with minimum salary, maximum salary and average salary		2020-2021	2021-22	2022-23
	Number of Placements	1	2	1
	Minimum Salary	4,12,000	6,00,000	6,00,000
	Maximum Salary	4,12,000	6,00,000	6,00,000
	Average Salary	4,12,000	6,00,000	6,00,000

Course	**PG-M.Tech–Embedded Systems**			
Number of seats	24			
Duration	2Years			
Cut off marks/rank of admission during the last three years	2021	2022	2023	
	-	-	-	
Fee	Rs.57,000			
Placement Facilities	Yes			
Campus placement in last three years with minimum salary, maximum salary and average salary		2020-2021	2021-22	2022-23
	Number of Placements	1	2	1
	Minimum Salary	4,12,000	6,00,000	6,00,000
	Maximum Salary	4,12,000	6,00,000	6,00,000
	Average Salary	4,12,000	6,00,000	6,00,000

Course	**PG-M.Tech- Electrical Power Systems**			
Number of seats	24			
Duration	2Years			
Cut off marks/rank of admission during the last three years	2021	2022	2023	
	-	-	-	
Fee	Rs.57,000			
Placement Facilities	Yes			
		2020-2021	2021-22	2022-23

Campus placement in last three years with minimum salary, maximum salary and average salary	Number of Placements	2	2	1
	Minimum Salary	4,00,000	4,30,000	6,00,000
	Maximum Salary	4,00,000	4,30,000	6,00,000
	Average Salary	4,00,000	4,30,000	6,00,000

Course	**PG-M.Tech-Structural Engineering**		
Number of seats	24		
Duration	2Years		
Cut off marks/rank of admission during the last three years	2021	2022	2023
	670	1147	319
Fee	Rs.57,000		
Placement Facilities	Yes		

Campus placement in last three years with minimum salary, maximum salary and average salary		2020-2021	2021-22	2022-23
	Number of Placements	2	2	1
	Minimum Salary	3,00,000	4,20,000	5,50,000
	Maximum Salary	3,00,000	4,20,000	5,50,000
	Average Salary	3,00,000	4,20,000	5,50,000

Course	**PG-M.Tech- CAD/CAM**		
Number of seats	24		
Duration	2Years		
Cut off marks/rank of admission during the last three years	2021	2022	2023
	-	-	-
Fee	Rs.57,000		
Placement Facilities	Yes		

Campus placement in last three years with minimum salary, maximum salary and average salary		2020-2021	2021-22	2022-23
	Number of Placements	2	2	1
	Minimum Salary	4,00,000	4,30,000	6,00,000
	Maximum Salary	4,00,000	4,30,000	6,00,000
	Average Salary	4,00,000	4,30,000	6,00,000

7. Faculty

i. Course/Branch wise list Faculty members

Branch wise list of Faculty members is available at the following links:

Department of CSE: https://vjit.ac.in/cse/
Department of CSE (AI&ML): https://vjit.ac.in/cse-aiml/
Department of IT: https://vjit.ac.in/it/
Department of ECE: https://vjit.ac.in/ece/
Department of EEE: https://vjit.ac.in/eee/
Department of ME: https://vjit.ac.in/me/
Department of CE: https://vjit.ac.in/ce/
Department of MBA: https://vjit.ac.in/mba/
Department of H&S: https://vjit.ac.in/hs/

ii.Adjunct Faculty

Department of Civil Engineering

S. No	Faculty Name	Company Name	Subject	Year	Semester	No. of Hours Taken
1	Dr. Ravi Shankar Badry Sr. Computational scientist Structural and Geotechnical devision	ARUP India Pvt. Ltd.	Advanced Structural Design	IV	IV-I	26
2	Er. N. Srinivas Rao, Technical Head	Ultra Tech Cement	Concrete Technology	II	II-II	10*(In progress)

iii.Permanent Faculty Student Ratio

Permanent Faculty Student Ratio is 1:15

8. Profile of Principal

Profile of the Principal:

<table>
<tr><td>Name</td><td colspan="4">Dr. E. Saibaba Reddy</td><td rowspan="4">  </td></tr>
<tr><td>Date of Birth</td><td colspan="4">11-01-1960</td></tr>
<tr><td>Unique ID</td><td colspan="4"></td></tr>
<tr><td>Education Qualifications</td><td colspan="4">B.Tech., M.E.(Hons.) Roorkee, PhD (Nottingham, UK), Post Doc.(Halifax Canada), Post Doc.(Birmingham UK).</td></tr>
<tr><td rowspan="2">Work Experience</td><td>Teaching</td><td>Research</td><td>Industry</td><td colspan="2">others</td></tr>
<tr><td>38 Years</td><td>36 Years</td><td>-</td><td colspan="2">-</td></tr>
<tr><td>Area of Specialization</td><td colspan="5">Civil Engineering (Geo Technical Engineering)</td></tr>
<tr><td>Courses taught at ~~Diploma/ Post Diploma/~~ Under Graduate/~~Post Graduate/ Post Graduate Diploma Level~~</td><td colspan="5">Geo Technical Engineering
Fluid Mechanicals
Solid Mechanicals
Building Constructions</td></tr>
<tr><td rowspan="2">Research guidance</td><td colspan="2">No. of papers published in National/ International Journals/ Conferences</td><td>Master</td><td colspan="2">Ph.D .</td></tr>
<tr><td colspan="2">174</td><td>38</td><td colspan="2">9</td></tr>
<tr><td>Projects Carried out</td><td colspan="5">04</td></tr>
<tr><td>Patents (Filed & Granted)</td><td colspan="5">-</td></tr>
<tr><td>Technology Transfer</td><td colspan="5">-</td></tr>
<tr><td>Research Publications</td><td colspan="5">174</td></tr>
<tr><td>No. of Books published with Details</td><td colspan="5">04</td></tr>
</table>

9. Fee

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

For the academic year 2022-23: 149 students
For the academic year 2021-22: 172 students

ii. Number of scholarship offered by the Institution, duration and amount

S.No.	Academic Year	Amount
1.	2022-23	Rs. 7,45,000
2.	2021-22	Rs. 8,06,000

10. Admission

i. Number of seats sanctioned with the year of approval

SNo	Course	Year of Approval	2021-2022	2022-2023	2023-2024
1.	UG - B.Tech. - Computer Scienceand Engineering	1999	240	240	240
2.	UG - B.Tech. - Artificial Intelligence	2019	60	120	120
3.	UG - B.Tech. - Artificial Intelligence & Data Science	2022	-	60	60
4.	UG - B.Tech. - Computer Scienceand Engineering (Data Science)	2020	60	60	120
5.	UG - B.Tech. - Computer Scienceand Engineering (Artificial Intelligence and Machine Learning)	2022	-	60	180
6.	UG - B.Tech. - InformationTechnology	2000	180	180	180
7.	UG - B.Tech. - Electronics andCommunication Engineering	1999	240	240	240
8.	UG - B.Tech. - Electrical andElectronics Engineering	1999	120	120	60
9.	UG - B.Tech. - Mechanical Engineering	1999	120	60	60
10.	UG - B.Tech. - Civil Engineering	2013	120	120	60
11.	PG - M.Tech. - Computer Science and Engineering	2011	18	18	18
12.	PG - M.Tech. - Embedded Systems	2012	24	24	24
13.	PG - M.Tech. - Electrical Power System	2013	24	24	24
14.	PG - M.Tech. – CAD/CAM	2012	18	18	18
15.	PG - M.Tech. - Structural Engineering	2014	24	24	24
16.	PG – MBA – Master of Business Administration	2006	60	60	120

ii. Number of Students admitted under various categories each year in the last three years

S.No	Course	Total Number of Students Admitted under Various categories		
		2021-2022	2022-2023	2023-2024
1.	UG - B.Tech. - Computer Science and Engineering	258	256	255
2.	UG - B.Tech. - Artificial Intelligence	129	129	128
3.	UG - B.Tech. - Artificial Intelligence & Data Science	0	64	64
4.	UG - B.Tech. - Computer Science and Engineering (Data Science)	65	65	128
5.	UG - B.Tech. - Computer Science and Engineering (Artificial Intelligence and Machine Learning)	0	64	190
6.	UG - B.Tech. - Information Technology	193	192	191
7.	UG - B.Tech. - Electronics and Communication Engineering	257	256	253
8.	UG - B.Tech. - Electrical and Electronics Engineering	34	42	51
9.	UG - B.Tech. - Mechanical Engineering	20	08	17
10.	UG - B.Tech. - Civil Engineering	48	28	24
11.	PG - M.Tech. - Computer Science and Engineering	08	05	10
12.	PG - M.Tech. - Embedded Systems	3	2	1
13.	PG - M.Tech. - Electrical Power System	5	0	01
14.	PG - M.Tech. – CAD/CAM	7	0	01
15.	PG - M.Tech. - Structural Engineering	18	07	11
16.	PG – MBA – Master of Business Administration	64	60	107

iii. Number of applications received during last two years for admission under Management Quota and number admitted

Year	Number of Applications Received	Number Admitted
2023-2024	352	276
2022-2023	396	263

11. Admission Procedure

i. Mention the admission test being followed, name and address of the Test Agency/State Authorities and its URL (website)

S.No	Course	Admission Test	Name and Address of the Test Agency/State Authorities	URL (website)
1.	B.Tech. (Regular)	TSEAMCET	Telangana State Council of HigherEducation 1st floor, JNTU Masab Tank Campus,Mahaveer Marg, Opp. Mahaveer Hospital, Hyderabad – 500 028.	https://tseamcet.nic.in/default.aspx
2.	B.Tech. (Lateral Entry)	TSECET	Telangana State Council of HigherEducation TS ECET [FDH & B.Sc.(Mathematics)] – 2024, Directorate of Admissions Admission Block Opp: Campus Post Office Jawaharlal Nehru Technological University Hyderabad Kukatpally, Hyderabad – 500 085	https://ecet.tsche.ac.in/TSECET/TSECET_HomePage.aspx
3.	M.Tech.	TSPGECET	Telangana State Council of HigherEducation Convener, TSPGECET – 2024 Behind Diamond Jubilee Library,Near University College of Engineering, Osmania University, Hyderabad-500 007, Telangana	https://pgecet.tsche.ac.in/
4.	MBA	TSICET	Telangana State Council of HigherEducation Convener, TSICET – 2024 & Dean, Faculty of Commerce and Business Management, KAKATIYA UNIVERSITY, Warangal – 506 009 (T.S.) India	https://icet.tsche.ac.in/TSICET/TSICET_HomePage.aspx

ii. Number of seats allotted to different Test Qualified candidate separately (AIEEE/ CET (State conducted test/ University tests/ CMAT/ GPAT)/ Association conducted test etc.)

a. Last date of request for applications: 31-07-2023
b. Last date of submission of applications: 31-07-2023
c. Dates for announcing final results: 03-08-2023
d. Release of admission list (main list and waiting list shall be announced on the same day): 05-08-2023
e. Date for acceptance by the candidate (time given shall in no case be less than 15days):
    i. 20-08-2023
f. Last date for closing of admission & Starting of the Academic session: 24-08-2023
g. The waiting list shall be activated only on the expiry of date of main list
h. The policy of refund of the Fee, in case of withdrawal, shall be clearly notified as per AICTE norms

12. Criteria and weightages for admissions

i. Describe each criterion with its respective weightages i.e. Admission Test, marks inqualifying examination etc.
ii. Mention the minimum Level of acceptance, if any
iii. Mention the cut-off Levels of percentage and percentile score of the candidates inthe admission test for the last three years
iv. Display marks scored in Test etc. and in aggregate for all candidates who were admitted

- B. Tech. - as notified by the Convener, TS EAMCET https://tseamcet.nic.in/default.aspx
- M. Tech. - as notified by the Convener, TS PGECET https://pgecet.tsche.ac.in/
- MBA - as notified by the Convener, ICET https://icet.tsche.ac.in/TSICET/TSICET_HomePage.aspx

13. List of Applicants

i. List of candidate whose applications have been received along with percentile/percentage score for each of the qualifying examination in separate categories for open seats. List of candidate who have applied along with percentage and percentile score for Management quota seats (merit wise)

14. Results of Admission under Management seats/Vacant seats

i. Composition of selection team for admission under Management Quota
ii. List of candidate who have been offered admission
iii. Waiting list of the candidate in order of merit to be operative from the last date ofjoining of the first list candidate

15. Information of Infrastructure and Other Resources Available

i. Number of Class Rooms and size of each

The institution has 66 class rooms. The details and size of each room are shown in the below table.

S. No.	Room No.	Details	Carpet area (in sqm)
1	A 101	Classroom	69.3
2	A 102	Classroom	69.3
3	A 201	Classroom	45.43
4	A 202	Classroom	45.55
5	A 206	Classroom	45.95
6	A 207	Classroom	45.77
7	A209	Classroom	71.19
8	A211	Classroom	77.05
9	C304	Classroom	90.86
10	C305	Classroom	89.68
11	D101	Classroom	66.41
12	D102	Classroom	66.41
13	D110	Classroom	66.41
14	D201	Classroom	66.41
15	D202	Classroom	66.41
16	D205	Classroom	66.41
17	D206	Classroom	66.41
18	D211	Classroom	66.41
19	E001	Classroom	77.05
20	E002	Classroom	77.05
21	E003	Classroom	77.05
22	E004	Classroom	77.05
23	E109	Classroom	77.05
24	E111	Classroom	77.05
25	E112	Classroom	77.05
26	E113	Classroom	77.05
27	E201	Classroom	77.05
28	E202	Classroom	77.05
29	E213	Classroom	77.05
30	E302	Classroom	77.05
31	E303	Classroom	77.05
32	E304	Classroom	77.05
33	E402	Classroom	77.05
34	E403	Classroom	77.05
35	E404	Classroom	77.05
36	E412	Classroom	77.05
37	E413	Classroom	77.05
38	E414	Classroom	77.05
39	E415	Classroom	77.05
40	E501	Classroom	77.05
41	E502	Classroom	77.05
42	E503	Classroom	77.05
43	E513	Classroom	77.05
44	E514	Classroom	77.05
45	N005	Classroom	97.86
46	N007	Classroom	69.84
47	N106	Classroom	69.44

48	N107	Classroom	69.71
49	N202	Classroom	69.44
50	N204	Classroom	70.61
51	N205	Classroom	68.67
52	N206	Classroom	69.44
53	N207	Classroom	69.36
54	N305	Classroom	69.37
55	N307	Classroom	68.87
56	S006	Classroom	69.58
57	S007	Classroom	70.27
58	S104	Classroom	105.84
59	S106	Classroom	69.58
60	S107	Classroom	69.58
61	S204	Classroom	106.1
62	S205	Classroom	69.44
63	S207	Classroom	69.26
64	S302	Classroom	112.04
65	S303	Classroom	106.41
66	S307	Classroom	69.91

ii. Number of Tutorial rooms and size of each

The institution has 15 tutorial rooms. The details and size of each room are shown in the below table.

S.No	Room No.	Details	Carpet area (in sqm)
1	A 213	Tutorial Room	46.82
2	D212	Tutorial Room	66.41
3	E214	Tutorial Room	38.52
4	E214A	Tutorial Room	38.52
5	E215	Tutorial Room	38.52
6	E215/A	Tutorial Room	38.52
7	E301	Tutorial Room	38.52
8	E301A	Tutorial Room	38.52
9	E315	Tutorial Room	38.52
10	E315A	Tutorial Room	38.52
11	E401	Tutorial Room	38.52
12	E401A	Tutorial Room	38.52
13	N006	Tutorial Room	68.87
14	N105	Tutorial Room	68.87
15	N203	Tutorial Room	55.54

iii. Number of Laboratories and size of each

The institution has 95 Laboratories. The details and size of each room are shown in the below table.

S No	Room No.	Details	Carpet area (in sqm)
1.	A 210	Computer Laboratory	77.05
2.	A2121	Language Laboratory	77.05
3.	B001	Laboratory	82.06
4.	B001/A	Laboratory	82.06
5.	B002	Laboratory	128.54
6.	B101	Laboratory	145.74
7.	B301	Laboratory	72.87
8.	B301/A	Laboratory	72.87

9.	C 403	Research Laboratory	120
10.	C201	Computer Laboratory	90.86
11.	C202	Computer Laboratory	90.86
12.	C207	Computer Laboratory	66.41
13.	C208	Computer Laboratory	66.74
14.	C307A	Laboratory	126.41
15.	C308	Laboratory	70
16.	C308A	Laboratory	70
17.	D002	Laboratory	132.82
18.	D003	Laboratory	132.82
19.	D004	Laboratory	66.41
20.	D006	Laboratory	132.82
21.	D009	Laboratory	132.82
22.	D104	Laboratory	66.41
23.	D105	Laboratory	66.41
24.	D106	Laboratory	66.41
25.	D107	Laboratory	66.41
26.	D109	Laboratory	66.41
27.	D113	Laboratory	66.41
28.	D114	Laboratory	66.41
29.	D209	Laboratory	132.82
30.	D213	Laboratory	66.41
31.	E009	Laboratory	69.34
32.	E009A	Laboratory	69.34
33.	E011	Laboratory	77.05
34.	E011/A	Laboratory	77.05
35.	E012	Laboratory	77.05
36.	E012/A	Laboratory	77.05
37.	E102	Laboratory	77.05
38.	E103	Laboratory	77.05
39.	E106	Laboratory	77.05
40.	E108	Laboratory	69.14
41.	E108A	Laboratory	69.14
42.	E110	Laboratory	77.05
43.	E203	Laboratory	77.05
44.	E204	Laboratory	77.05
45.	E210	Laboratory	77.05
46.	E210A	Laboratory	77.05
47.	E211	Laboratory	117.85
48.	E212	Laboratory	77.05
49.	E212A	Laboratory	77.05
50.	E310	Laboratory	77.05
51.	E310A	Laboratory	77.05
52.	E311	Laboratory	77.05
53.	E311A	Laboratory	77.05
54.	E312	Laboratory	78.56
55.	E313	Laboratory	78.56
56.	E410	Laboratory	77.05
57.	E411	Laboratory	77.05
58.	E411/A	Laboratory	77.05
59.	E510	Laboratory	77.05
60.	E511	Laboratory	77.05
61.	E511/A	Laboratory	77.05
62.	N001	Laboratory	70.92
63.	N001/A	Laboratory	70.92
64.	N002	Laboratory	104.54

65.	N003	Laboratory	70.92
66.	N003A	Laboratory	70.6
67.	N004	Laboratory	104.52
68.	N102	Laboratory	105.55
69.	N104	Laboratory	105.84
70.	N208	Laboratory	105.81
71.	N301	Laboratory	112.3
72.	N302	Laboratory	67.42
73.	N302A	Laboratory	67.42
74.	N304	Laboratory	66.41
75.	N304A	Laboratory	66.41
76.	N306	Laboratory	69.56
77.	N306A	Laboratory	69.56
78.	S001	Laboratory	104.86
79.	S003	Laboratory	105.86
80.	S005	Laboratory	69.58
81.	S101	Laboratory	69.58
82.	S103	Laboratory	106.92
83.	S201	Laboratory	70
84.	S202	Laboratory	67.12
85.	S202A	Laboratory	67.42
86.	S203	Laboratory	105.15
87.	S206	Laboratory	68.87
88.	S301	Laboratory	105.01
89.	S304	Laboratory	106.1
90.	S305	Laboratory	69.91
91.	S306	Laboratory	69.91
92.	E314	Language Laboratory	38.52
93.	E314A	Language Laboratory	38.52
94.	E504	Language Laboratory	38.52
95.	E504A	Language Laboratory	38.52

iv. Number of Computer Centers with capacity of each

The institution has 2 Computer Centers. The details and size of each Computer Centre is shownin the below table.

S No.	Room No.	Details	Capacity	Carpet area (in sqm)
1	C301&302	Computer Centre	60	180.07
2	C203	Computer Center	60	181.72
3	C205	Computer Center	60	161.57
4	C209	Computer Center	60	161.56

v. Central Examination Facility, Number of rooms and capacity of each

The institute has central examination facility with 6 rooms. The details and size of each room is shown in the below table.

S.No	Room No.	Details	Capacity	Carpet area (in sqm)
1	A Block	Question paper processing room	4	45
2		Strong room	6	77
3		Evaluation hall	40	304

4		Controller of examination office	8	45
5		Addl. Controller of examination Office	6	45
6		Distribution and collection room	15	69.3

vi. Online examination facility (Number of Nodes, Internet bandwidth, etc.)

For online examination college is having 500 nodes with 1000 Mbps bandwidth.

UPS Backup facility and additionally supported with Diesel Generators.

vii. Barrier Free Built Environment for disabled and elderly persons

It has been felt that differently-abled persons need special arrangements in the VJIT College premises for their mobility and independent functioning. VJIT has an architectural barrier free environment that disabled persons find easy for their day-to-day functioning. The college addresses the accessibility relevant issues as per the stipulations of the Persons with Disabilities Act 1995.

All the existing infrastructure in the college is disabled-friendly and VJIT ensures that the future construction will also be based on the principle of inclusion. The institute has special facilities such as Wheelchairs, Walkers, Lifts, Ramps, HandRails, Special Toilets, and other necessary changes to meet the needs of differently-abled persons.

1. Physical Facilities: The classes for differently abled students are conducted on the ground floor for their convenience. Mobility devices like Wheel Chairs and Walker are made available inmajor buildings.

Wheel chair

2. Provision for lift: Lifts are provided in Block-C, Block-E.

Ramp / Rails: Apart from stair access and lifts, VJIT Buildings are constructed with Ramps and Handrails as sloped pathways used to provide access to outside buildings. Ramps provide an alternative to stairs for wheelchair users, people with mobility issues and people with prams, bicycles and other wheeled items. Adequate space is allocated for persons using mobility devices,as well as those walking with the assistance of other persons.

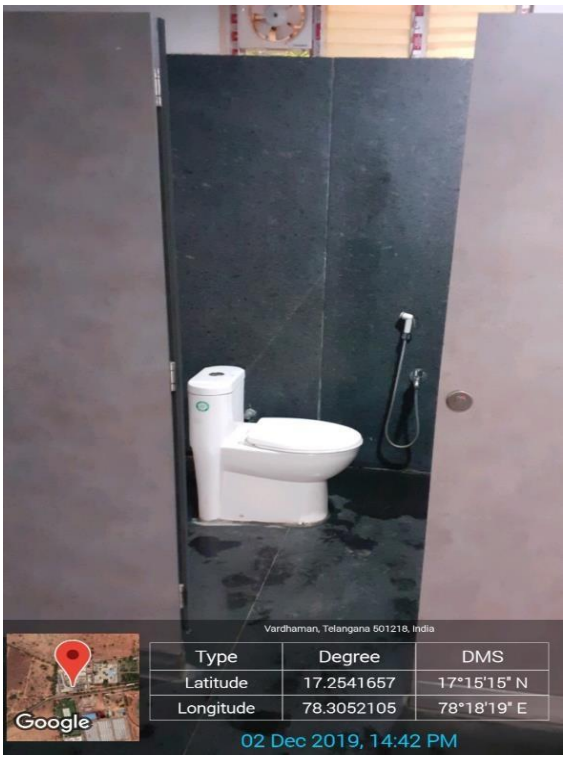
2. Ramp/Rails

Block-E Ramp and Hand Rails

3. Braille Software:

To assist visually challenged students NVDA software is installed in computers and speaker is provided. But so far no visually challenged students have joined in the college.

4. Rest Rooms: Rest rooms are provided with clean and hygienic conditions in every building block. The rooms are constructed in the ground floor for the convenience of the students.



5. Scribes for examination:

VJIT provides scribes for differently abled students if required during examinations. as per the JNTUH and AICTE rules of examinations.

6. Any other Facilities:

i. First Aid and Sick Room is made available in the ground floor of Block-E room No. 1006 with stretcher and bed along with doctor.

ii. Ambulance facility is made available in the campus in case of any emergency.

iii. VJIT provides guidance and counseling to differently able individuals and assist themto gain successful employment in the public as well as private sectors.

iv. VJIT conducts awareness programmes for faculty about the approaches to teaching, evaluation procedures, etc, which they should address in the case of differently-abled students.

v. College buses are arranged with extra door step to support physically challenged persons.

viii. Fire and Safety Certificate: **https://vjit.ac.in/wp-content/uploads/2024/05/Fire-NOC-2024.pdf**

ix. Hostel Facilities: Hostel is under construction 4 Lakhs SFT Built up area for 9 Floors,

Each Floor 40,000 SFT Capacity to accommodate 1000 students

x. Library

AVAILABILITY OF LEARNING RESOURCES IN LIBRARY

LIBRARY RESOURCES

Budget allocation: Sufficient

Budget utilization: Utilized appropriately purchasing new books, magazines and establishing digital library with digital journals

Number of library technical staff: 6

Number of library staff with degree in Library Management: 5

Computerization for search, indexing, issue/ return records - Yes

Bar-coding used -Yes

Library services on internet / intranet - Yes

INFLIBNET N-LIST, NDL or other similar membership - Yes

Archives- 1665

Library services on Internet/ Intranet INDEST or other similar membership Archives:

- Library services on internet / intranet - Yes
- INFLIBNET N-LIST, NDL or other similar membership - Yes
- Archives- 1665
- Number of titles: 7314 number of volumes: 56077

Year	Number of New Titles added	Number of New edition added	Number of New Volumes added
2023-2024	73	60	674
2022-2023	155	77	1298
2021-2022	286	143	2838
2020-2021	01	01	50

Library expenditure on books, magazines / journals, and miscellaneous contents expenditures in Rs:

Year	Books	Magazine/Journals (for hard copy subscription)	Magazine/Journals (for soft copy subscription)	Misc. contents	Total expenditure
2023-2024	13,07,759	6,47,768	9,47,706	-	29,03,233
2022-2023	9,44,857	5,02,820	7,64,193	48,730	22,60,600
2021-2022	11,72,441	-	11,74,705	62,765	24,09,911
2020-2021	11,02,169	5,00,104	11,75,300	13,386	27,90,959

Digital Library Information:

No. of Terminals	:	24
Server	:	Two
Internet Band width	:	40MBPS
Online video lectures	:	NPTEL for all courses (support to students for self-learning)
Number of users per day	:	250 – 300
Accessibility to students	:	8AM to 6 PM

1. **E-learning Resources for Students:**

S.No	Medium for self learning	Available Place	Purpose
1	NPTEL Video Courses, NPTEL web courses.	Central library	Self-learning
2	E-Books (McGraw-Hill, Springer, Taylor and Francis, Cambridge, IS, Oxford)	Central library	Self-learning
3	Journals, AICTE-INDEST, IEEE, ASME, ASCE, DELNET N-LIST (INFLIBNET)	Central library	Self-learning
4	Books available for competitive exam like GATE, IES GRE, TOEFEL, and GMAT	Central library	Self-learning
5	Previous project reports	Department library	Reference to the juniors students
6	Digital Library	Central library	Self learning

- Modern teaching aids like Multimedia, Projectors, and Internet enabled Computer systems are used for class room instruction and to enhance student learning experiences.
- The students are also encouraged to use computer software packages for their projects.
- Wi-Fi facility in the campus.
- Use of LCD projectors in the classroom

xi. Computing Facilities

Lab Name/Room No	Configuration	No Of Systems	Total Systems
PPS LAB/ E-310	HP Intel® Core™ i5-10500 CPU @ 3.10GHz Dell Vostro 3653-Intel Core i3 6th gen 6100	60 06	66
PPS Lab 2/ E 312	HP Intel® Core™ i5-10500 CPU @ 3.10GHz Dell Vostro 3653-Intel Core i3 6th gen 6100	60 06	66
ELS LAB/E-313	Dell OptiPlex 3050-Intel® Core™ i3-6100T CPU @ 3.20GHz	32	32
ECS LAB/E-312	Dell OptiPlex 3050-Intel® Core™ i3-6100T CPU @ 3.20GHz Dell Vostro 3653 Intel® Core™ i3-6100T CPU @ 3.20GHz	29 05	34
ECE/BS LAB /E-102	Dell vostro 3670 Desktop 8th Gen.Intel core i3-8100@3.6Ghz	36	36
ECE/VLSI LAB /E-103	ACER-VERITON M200-H610 CORE I5 16 gb, 500SSD	36	36
ECE/MPMC LAB/E-108	Dell Vostro.3902-Intel® i3-4160T CPU @ 3.60GHz Acer - Intel® pentium® CPU G2020@2.90Ghz Hp Intel Pentium Dual core@2.20ghz	28 09 05	42
ECE/ESD LAB/E-203	DELL Vostro 3670 Desktop Intel core i3-8100 @ 3.60GHz	30	30
ECE/DSP LAB/E-009	Acer - intelpentium R Dual-Core@2.80GHz Hp Intel Pentium Dual core@2.20ghz	39 03	42
CIVIL LAB /D-207	Acer - Intel Veriton Desktop i3 4170@3.7Ghz Acer - Intel Pentium (R)G645@2.90GHz	58 02	60
CSE Lab 1/ C 203	HP Pro Tower 280 G9 12th Core™ i5-12500 @ 3.00 GHz	36	36
CSE Lab 2/ C 204	HP Pro Tower 280 G9 12th Core™ i5-12500 @ 3.00 GHz	36	36
CSE Lab 3/ C 205	ACER-VERITON M200-H610 CORE I5 Dell Vostro 3653-Intel Core i3 6th gen 6100	22 14	36
CSE Lab 4/ C 206	ACER-VERITON M200-H610 CORE I5	36	36
CSE Lab 5/ C209	DELL Optiplex 3080 Intel Core i5-10505 @3.20GHz Dell Vostro 3653-Intel Core i3 6th gen 6100	30 06	36
CSE Lab 6/ C 210	DELL Optiplex 3080 Intel Core i5-10505 @3.20GHz Dell Vostro 3653-Intel Core i3 6th gen 6100	30 06	36
IOT Lab/ N 208	Dell Vostro.3902-Intel® i3-4160T CPU @ 3.60GHz	30	30
CSE DS LAB/ C-305	ACER 12th Gen Intel(R) Core(TM) i5-12400 2.50 GHz	36	36
CSE DS LAB/ C-306	ACER 12th Gen Intel(R) Core(TM) i5-12400 2.50 GHz	36	36

IT Lab 1/ C 201	DELL Vostro 3670 Desktop Intel core i3-8100 @ 3.60GHz	36	36
IT Lab 2/ C 202	DELL Vostro 3670 Desktop Intel core i3-8100 @ 3.60GHz	36	36
IT Lab 3/ C 307	DELL Vostro 3671Desktop Intel core i3-8100@ 3.60GHz Dell OptiPlex 3050-Intel® Core™ i3-6100T CPU @ 3.20GHz	28 08	36
IT Lab 4/ C 308	DELL Vostro 3671Desktop Intel core i3-8100@ 3.60GHz Dell OptiPlex 3050-Intel® Core™ i3-6100T CPU @ 3.20GHz	30 06	36
IT LAB 5/ S 201	Dell Optiplex 3080 I5 -10505@3.19Ghz HP Intel(R) Core(TM) i5-10500 CPU @ 3.10GHz	12 24	36
IT LAB 6/ S 202	HP Intel(R) Core(TM) i5-10500 CPU @ 3.10GHz	36	36
AI LAB1/C 308A	ACER Intel(R) Core(TM) i5-12400 2.50 GHz	36	36
AI LAB2/C 308B	ACER Intel(R) Core(TM) i5-12400 2.50 GHz	36	36
AI LAB3/B 301A	Acer 12th Gen Intel(R) Core(TM) i5-12400 2.50 GHz	36	36
AI LAB4/B 301B	Acer 12th Gen Intel(R) Core(TM) i5-12400 2.50 GHz	34	34
AI LAB 5 /B 201A	Acer 12th Gen Intel(R) Core(TM) i5-12400 2.50 GHz	36	36
AI LAB 6 /B 201B	Acer 12th Gen Intel(R) Core(TM) i5-12400 2.50 GHz	36	36
CAD CAM/A-211	DELL 3080 Intel(R)Core(TM)i5-10505cpu@3.20GHz 3.1 Vostro.3902-Intel® Core™ i3-4160T CPU @ 3.60GHz	24 12	36
EEE/EST LAB/N104	Vostro.3902-Intel® Core™ i3-4150T CPU @ 3.60GHz	30	30
			1258

xii. National Digital Library (NDL) subscription details

Best Performing NDLI Club Award in 2023 at Indian Institute of Technology, Kharagpur and secured 7th Rank

Seminars/Webinars conducted under NDLI Club

S. No.	Event Title	Date	Event Mode
1	World Water day quiz	24-03-2023	Online
2	International Women's Day	12-03-2023	Online
3	Holi Quiz	11-03-2023	Online
4	National Education Quiz	10-03-2023	Online
5	Explore New Project Work Features in IEEE Xplore	13-01-2023	Seminar

6	Telangana Formation Day	06-06-2022	Online
7	Computer Programming	30-04-2022	Online
8	English Literature Quiz	29-03-2022	Online
9	General Science Quiz	19-03-2022	Online
10	National Nutrition Week	17-03-2022	Online
11	Accelerating Career Momentum through IEEE e-Resources	16-03-2022	Seminar
12	Computer Programming	08-03-2022	Webinar
13	Inspiring Research and Innovation using IEEE Publication	03-12-2021	Webinar

Internet Bandwidth

Name of the Internet provider	Pioneer Internet Services
Available band width	1GBPS
WiFi availability	Yes
Internet access in labs, classrooms, library and offices of all Departments	Yes
Security arrangements	Yes

Number and configuration of System

The institute has a total number of 1103 Computers. The distribution of computers along theirconfiguration is shown at:

Total number of system connected by LAN

All 1103 computers of the institute are connected by LAN.

Total number of systems connected by WAN

A total of 1103 systems are connected by WAN.

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

Department of Information Technology

S No	Lab Name	Configuration	No of Systems	Total Systems
1	IT Lab-1 & IT Lab-2	DELL Vostro 3670 Desktop Intel core i3-8100 @ 3.60GHz ACER Veriton 6144 Desktop Intel core i3-4170@3.70 GHz	72 01	73
2	IT Lab-3 & IT Lab-4	DELL Vostro 3671Desktop Intel core i3-8100@ 3.60GHz Dell OptiPlex 3050-Intel® Core™ i3-6100T CPU @ 3.20GHz	58 14	72

3	IT Lab-5 & IT Lab-6	Dell Optiplex 3080 I5 -10505@3.19Ghz HP Intel(R) Core(TM) i5-10500 CPU @ 3.10GHz	12 60	72

Department of CSE(Data Science)

S No	Lab Name	Configuration	No. of systems	Total Systems
1	DS Lab-1 & DS Lab-2	ACER 12th Gen Intel(R)@ CORE I5-124002.50GHz,8 GB RAM , 512 GB SSD	72	72

Department of Computer Science and Engineering

S.No.	Lab Name	Configuration	No.of Systems	Total Systems
1	Lab -1 & Lab -	HP Pro Tower 280 G9 12th Gen-Intel® Core™ i5-12500 @ 3.00 GHz,8 GB RAM, 500 GB SSD, Monitor , Mouse's, Keyboards	72	73
		Dell OptiPlex 3050-Intel® Core™ i3-6100T CPU @ 3.20GHz, 8 GB RAM, 500 GB HDD, Monitor , Mouse's, Keyboards	1	
2	Lab -3 & Lab - 4	Acer 12th Gen Intel® Core (TM) i5 -12400 2.50 GHz, 8 GB Ram, 512 GB SSD, Monitor, Mouse's, Keyboards	58	73
		DELL VOSTRO 3653 I3 @ 6th Gen, 4 GB RAM,500 GB HDD, Monitor -18".5', Mouse's, Keyboards	15	
3	Lab -5 & Lab - 6	DELL 3080 Intel® Core™i5-10505cpu@3.20GHz 3.19GHz, 8 GB RAM, 1TB HDD, Monitor , Mouse's, Keyboards	60	72
		DELL VOSTRO3653@ CORE I3-6100TCPU@3.60GHz 4 GB RAM 500 GB HDD	12	
4	Lab -7	DELL Vostro.3902-Intel® Core™ i3-4160T CPU @ 3.60GHz 4 GB RAM, 500 GB HDD Monitor -18".5', Mouse's Keyboards	30	30

		Raspberry P13, Raspberry Adapter Cables, Arduino Uno, Arduino Cables, Nodem Cu,Air Quality Sensor, Dc Motor 100 Rpm, Server Motor (Micro), Ultrasonic Sensor(Hcsr04), Stepper Motor, Sd Cards,Ldr Module, Temperature Sensor(Lm35)	30	30

Department of Artificial Intelligence

S No	Lab Name	Configuration	No of Systems	Total Systems
1	AI Lab 1 & AI Lab 2	Acer Veriton M200+H610 12th Gen Intel (R) Core (TM) i5-12400 (12 CPUs)@2.5GHz	72	72
2	AI Lab 3	Acer Veriton M200+H6 @ 2.70Ghz Lenovo i3 Processor – 213XPu@3.40GHz HP COMPAQ DX2480 Systems Intel Dual Core E2200 Processor	24 10 2	36
3	AI Lab 4	Dell Optiplex 3080 Intel Core i5-10505 @ 3.19Ghz Dell Vostro 3902 Mini Tower Intel (R) Core TM i3-4150 Processor	24 12	36

Department of Mechanical Engineering

S. No.	Item	Name of the Lab
1	Plasma Arc Welding	Production Technology Lab
2	VCR Engine	Thermal Engineering lab
3	Ansys	CAD/CAM lab
4	Solid works	CAD/CAM lab
5	Fatigue testing machine	Strength of Materials Lab
6	3D Scanner	CAD/CAM lab
7	CRDi Engine	Thermal Engineering lab
8	Computerized UTM	Strength of Materials Lab
9	3D printer	CAD/CAM lab

Department of CSE (AI&ML)

S No	Lab Name	Configuration	No of Systems	Total Systems
1	CSE (AI & ML)	Acer 12 Gen Desktop Intel core TM Core i5- @ 12400 2.50GHz	72	72

Department of Electrical and Electronics Engineering

S No	Major Equipment	Qty
1	DC Shunt Motor coupled to DC Shunt Generator	3
2	DC Shunt Motor coupled to DC Compound Generator	1
3	DC Shunt Motor coupled to DC Series Generator	1
4	DC Series Motor coupled to DC Series Generator	1
5	DC Shunt Motors	3
6	DC Compound Motor	1

Electrical Machines – II Lab Major Equipment

S No	Major Equipment	Qty
1	DC Shunt Motor coupled to 3-Phase Alternator	2
2	3-Phase Induction Motors	2
3	3-Phase Synchronous Motor	1

Basic Electrical Engineering Lab Major Equipment

S No	Major Equipment	Qty
1	Motor Generator Set	2
2	Three Phase squirrel cage induction Motor with mechanical loading	2
3	DC Shunt motor with mechanical loading	2
4	Rectifier	1

Major Equipment exclusive for Post Graduate

S No	Major Equipment	Qty
1	Experimental setup to, determination of Line Parameters R, L and C.	1
2	Experimental setup to, determination of sequence impedances of three phase transformers	1
3	Experimental setup to determination of negative sequence currents.	1
4	Experimental setup for Characteristics of Percentage biased Differential Relay.	1
5	Experimental setup for Performance and Testing of Transmission Line Model.	1
6	Experimental setup for Design of protection scheme for Cylindrical Rotor Synchronous Machine.	1

Surveying & Geometrics

S.No	Equipments
1	Metric Chain 20M
2	Metric Chain 30M
3	Measuring Tapes
4	Plane Table and Accessories
5	Dumpy Level
6	Prismatic Compass
7	Transit Vernier Theodolite
8	Transit Vernier Theodolite
9	Auto Level
10	Levelling Staffs
11	Total Station
12	Total Station
13	Prism & prism Stand
14	Hand held GPS

Lab: Engineering Geology

S.No	Name of the Equipment
1	Rocks & Minerals
2	Petrological Microscope
3	Models(Folds)
4	Models(Faults)
5	Geological Maps

Department of Electronics and Communication Engineering

Name of the Laboratory	Lab / Major Equipments
ANALOG & DIGITAL COMMUNICATIONS LAB	Digital Storage Oscilloscopes, Function Generators, Amplitude Modulation & Demodulaion Kit, SSB Modulation Demodulation Kit, Balanced Modulation and Demodulation Kit, Frequency Modulation & Demodulation Kit, Delta Modulation & Demodulation Kit, PSK Modulation & Demodulation Kit, FSK Modulation & Demodulation Kit, DPSK Modulation & Demodulation Kit, PCM Kit, DPCM Kit, Spectrum Analyzer.
ANTENNA LAB	Computers with 4NEC2 Open Source Software
BS LAB / DSP LAB	Computers, MATLAB SOFTWARE,COMMUNICATION TOOLBOX,SIMULINK,CONTROL SYSTEM TOOLBOX,IMAGE PROCESSING TOOLBOX,DSP System Toolbox, Signal Processing Toolbox, Simscape, Simscape Electrical.
ELECTRONIC CIRCUIT ANALYSIS LAB/Digital Logic Design Lab	DIGITAL IC TRIANER KITS, Digital Storage Oscilloscopes, DEDECADE CAPACITANCE BOXES, RPS, Function Generators, Class A power Amplifier Kit, Class C power Amplifier Kit, Single Tuned Voltage Amplifier Kit, Boot Strap sweep circuit kit, Miller Sweep Circuit kit, Class-B push pull power amplifier Kit, Class-B Complementary Symmetry Power Amplifier Kit ,Hartley Oscillator Kit, Colpitt's Oscillator Kit, Darlington Pair Kit, Common source Amplifier Kit.
ELECTRONIC DEVICES AND ANALOG CIRCUITS LAB	Regulated Power Supplys,Cathod Ray Oscilloscopes,Function Generators.
VLSI LAB	Xilinx VIVADO System Edition Software, ARTIX 7 FPGA Development Boards , Computers with i5 processor & 16gb RAM
EMBEDDED SYSTMS LAB	ARDINO UNO, KEIL SOFTWARE AND LINUX SOFTWARE,ARM CORTEX-M3 DEVELOPMENT KIT,RASBERRI PI3 B+
LINEAR IC APPLICATIONS LAB	Digital Storage Oscilloscope, Function Generator, DC Regulated Power Supply, Digital IC Trainer Kits, Decade Capacitance Box, Decade Resistance Box
MICRO PROCESSORS AND MICRO CONTROLLERS LAB	8086 STAND ALONE MICROPROCESSOR KITS 8051 STAND ALONE MICRO CONTROLER KITS PERSONAL COMPUTERS ,MASM SOFTWARE, KEILuVISION SOFTWARE, STEPPER MOTOR INTERFACE, 8 BIT 8 CHANNEL A/D INTERFACE MODULE, DUAL DAC INTERFACE, 8255 STUDY CARD, 8251 USART INTERFACE, RS-232C INTERFACE, 8257 DMA CONTROLLER, CRO
MICROWAVE ENGINEERING LAB	Gunn diode based Microwave bench setup including Gunn power supply, Klystron based Microwave bench setup including Klystron power supply.

Department of Humanities & Sciences

Applied Physics Laboratory Major equipment

S.No	Equipment Name	Number of Units
1	Travelling Microscope	6
2	Sodium vapour lamp set	3
3	Transformer (SVL)	3
4	Spectrometer	6

5	Mercury Vapour Lamp full set	3
6	Laser Diode	3
7	Energy gap of a semiconductor apparatus	3
8	LED Trainer Kit	3
9	Photodiode Characteristics Board	3
10	Solar cell Characteristics Board	3
11	Torsional pendulum setup	3
12	LCR Circuit board	3
13	Function Generator	3
14	CR Circuit board	3
15	Fiber optic kit	3

Applied Physics Laboratory Experimental Setup List

S.No	Equipment Name	Number of Units
1	Newton's Rings Set with travelling Microscope	3
2	Diffraction Grating Set with Spectrometer	3
3	Dispersive power of Prism Set	3
4	Single Slit Diffraction by Laser Set	3
5	Energy Gap Kit	3
6	LED characteristics Kit	3
7	Photo diode characteristics Kit	3
8	Solar cell characteristics Kit	3
9	LCR Circuit board with function generator	3
10	RC Circuit Kit	3
11	Optical Fiber Kit	3
12	Torsional Pendulum Set	3

ENGINEERING CHEMISTRY LAB
LIST OF EQUIPMENTS

S.No	Name of the Equipment Usage
1	Burette
2	Pipette
3	conical flask
4	beakers (100ml)
5	beakers (250ml)
6	standard flask(100ml)
7	Funnel
8	analytical balance,weighing box,weighing bottle

9	conducto meter,conductivity cell
10	potentiometer, calomel electrode, platinum electrode
11	ostwald's viscometer
12	Stalagmometer
13	wash bottles
14	Burette stand
15	Stop watch
16	Reagent Bottle
17	Magnetic Stirrer
18	pH meter

ENGINEERING CHEMISTRY LAB
LIST OF IMPORTANT EQUIPMENTS

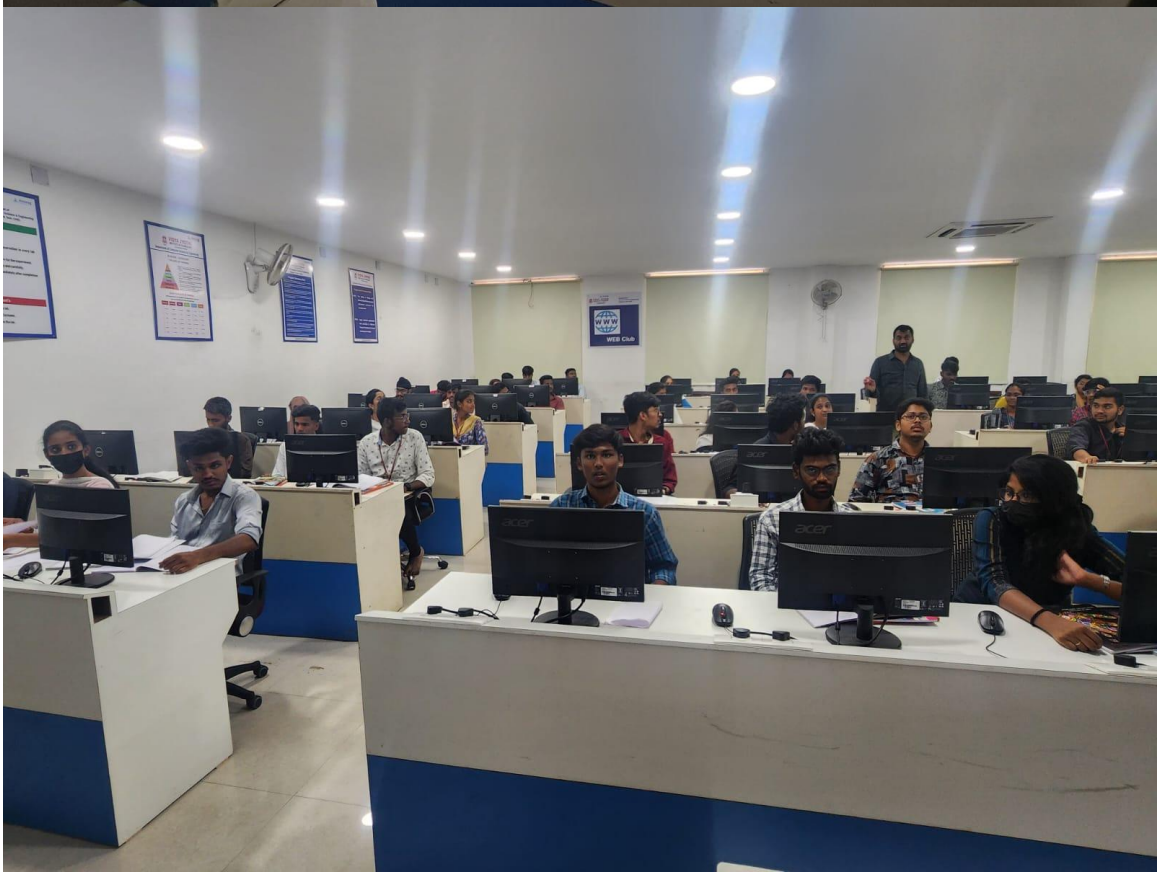
1	Potentiometer
2	Conductometer
3	PH Meter

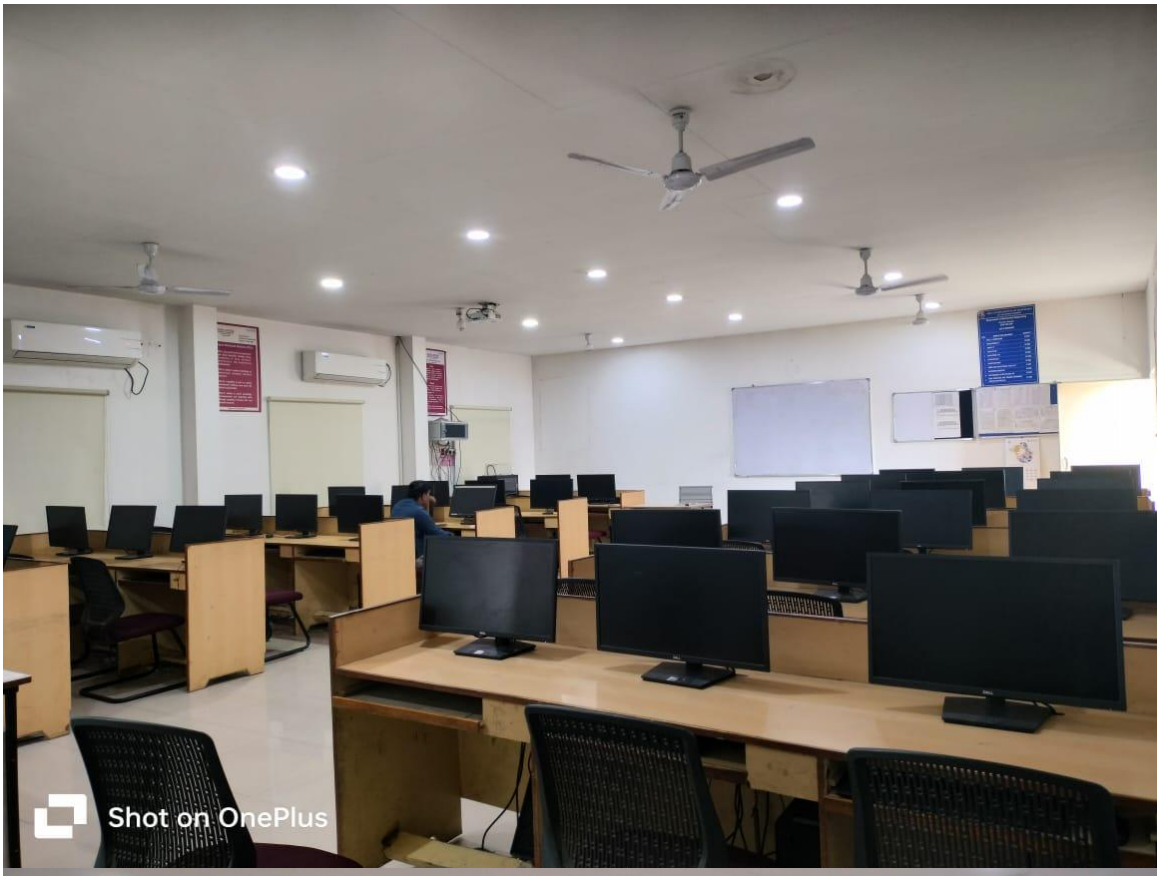
xiv. List of Experimental Setup in each Laboratory/Workshop

Department of Information Technology


C136
C140
DELL


MAINTAIN SILENCE


WEB Club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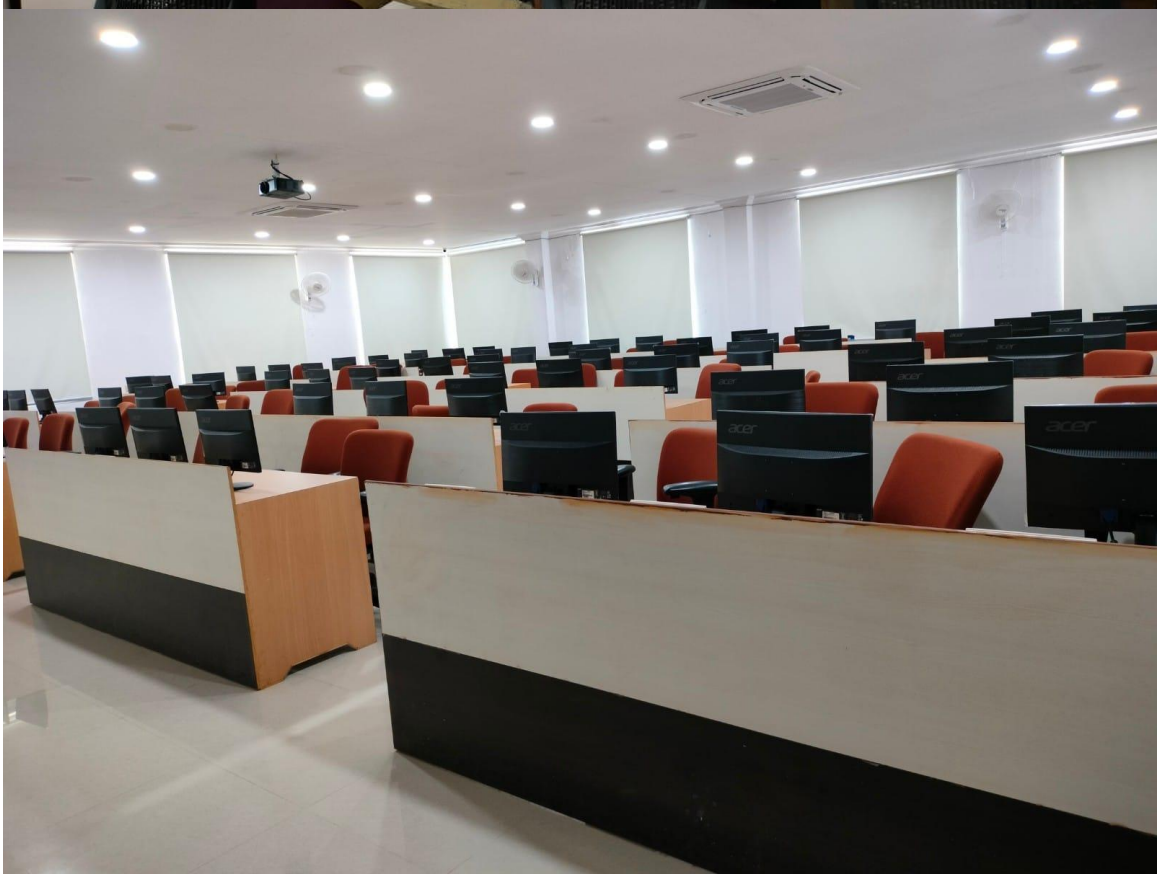


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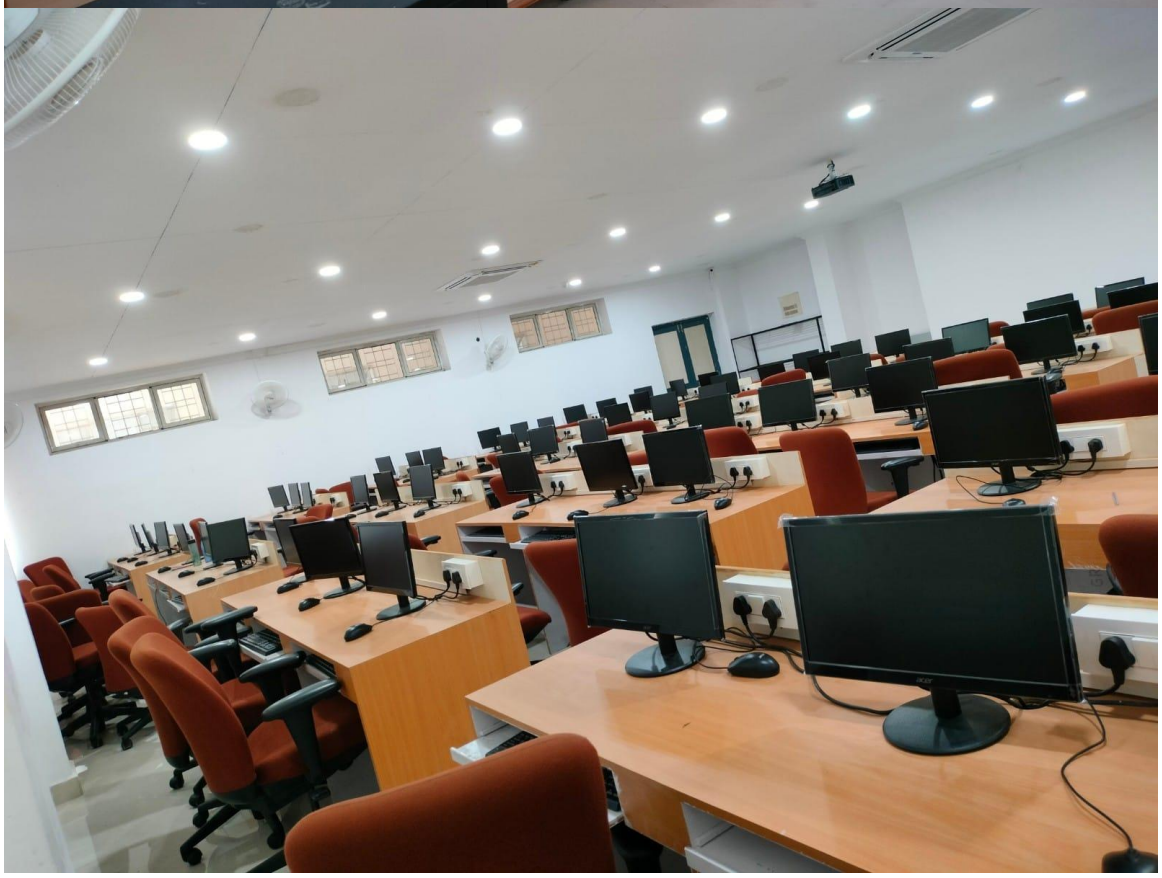
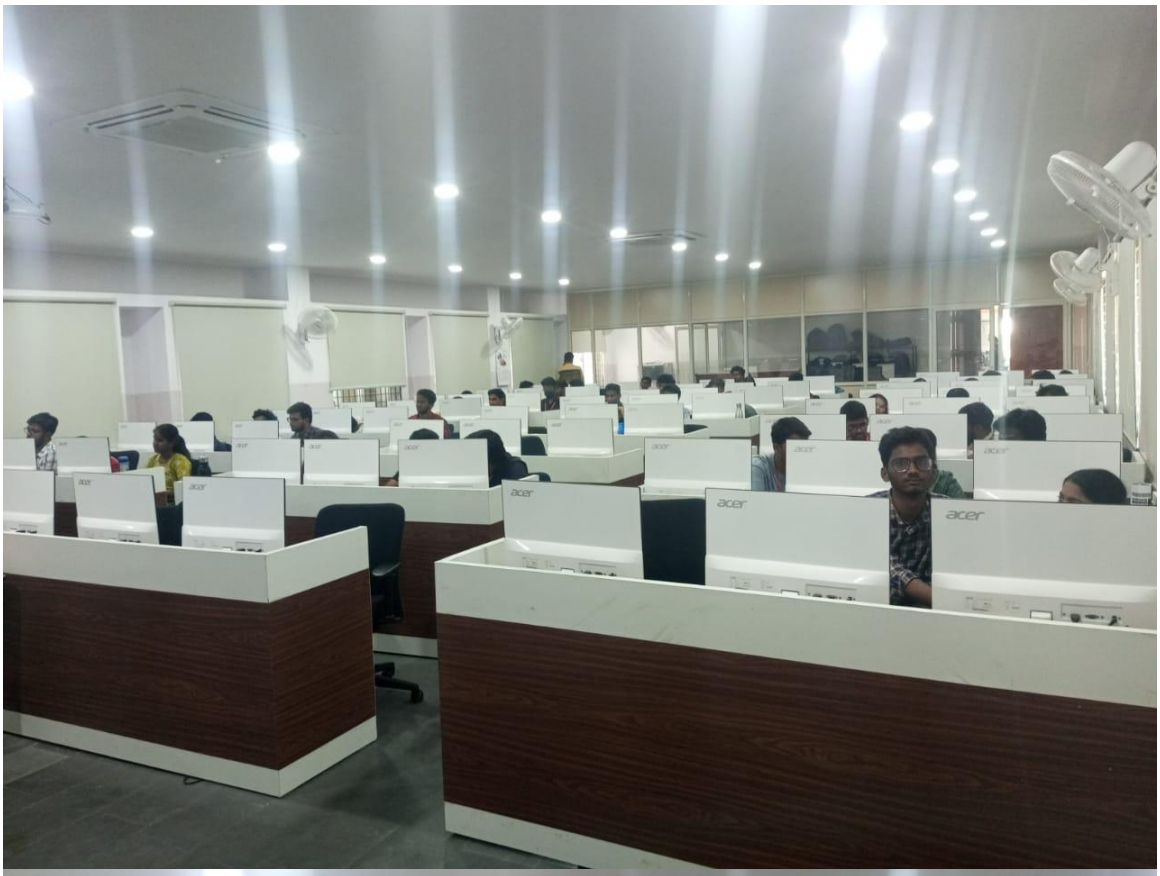


S.NO	Lab Name	Experimental Setup/Equipment Name
1	ProductionTechnology Lab	Wood turning lathes with accessories
2		Gas welding equipment
3		Spot welding machine
4		Fly press (1T)
5		Hydraulic press (2T)
6		Aluminium melting furnace
7		Moulding equipment
8		Sand strength testing machine
9		Permeability tester
10		Sand rammer
11		Injection moulding machine
12		Blow moulding machine
13		Soldering equipment
14		Brazing equipment
15	Material Science & Mechanics of Solids Lab	Universal testing machine
16		Torsional testing machine
17		Deflection testing machine
18		Spring testing machine
19		Rockwell hardness testing machine
20		Impact testing machine
21		Brinell hardness testing machine
22		Metallurgical microscope binocular
23		Jominy end quenching apparatus
24		Cutting machine
25		Polish machine
26		Heat treatment furnace

27		Specimen mounting press
28	Fluid Mechanics & Hydraulic Machines Laboratory	Impact of jet Vane Apparatus
29		Calibration of Venturimeter apparatus
30		Calibration of Orificemeter
31		Determination of loss of head due to sudden contraction in a pipeline
32		Determination of friction factor for a given pipeline
33		Single stage centrifugal pump
34		Multistage centrifugal pump
35		Reciprocating pump
36		Bernoullis equation apparatus
37		Pelton wheel apparatus
38		Kaplan turbine
39	Instrumentation Laboratory	Calibration of LVDT
40		Capactive transducer for Angular displacement
41		Photo and Magnetic speed pickup
42		Strain Gauge module
43		RTD Module
44		Thermocouple temperature measurement-setup
45		Rotameter setup
46		Calibration of pressure gauge
47		vibration , siesmic pickup
48		Mcleod gauge –setup
49		calibration of temperature setup-Thermister
50	Thermal Engineering Laboratory	4 stroke petrol multicylinder engine
51		Air compressor test rig
52		4 -stroke single cylinder diesel engine test rig
53		4-stroke single cylinder petrol engine test rig
54		DuelFuel Automotive CRDI Engine

55		Assembly/Dis assembly engine
56		Valve timing diagram setup
57		Port timing diagram setup
58		Babcock &wilcox boiler model
59		Lancashire bolier model
60	Metrology & Machine Tools Lab	Lathe machine
61		Radial drilling machine
62		Planing machine
63		Shaping machine
64		Slotting machine
65		Surface grinding machine
66		Bench grinder
67		Vernier calliper
68		Outside micrometer
69		Inside micrometer
70		Dial bore gage
71		Dial Indicator
72		Granite Surface plate
73		Cast iron Surface plate
74		Sine bar
75		Bevel protractor
76		Tool maker's Microscope
77		Thread measuring Equipment
78		Slip guages box
79	Computer Aided Design And Manufacturing Lab	SOLID WORKS
80		ANSYS
81		Edge Cam
82		CNC Milling machine
83		CNC Lathe machine

84		Computers
85	Heat Transfer Lab	Composite slab apparatus
86		Lagged pipe apparatus
87		Concentric sphere apparatus
88		Thermal conductivity of Metal rod apparatus
89		Pin-fin apparatus
90		Transient heat conduction apparatus
91		Forced convection opparatus
92		Natural convection apparatus
93		Parallel and counter flow heat exchanger
94		Emissivity apparatus
95		Stefan Boltzmann apparatus
96		Critical heat flux apparatus
97		Heat pipe demonstrator
98		Film wise and drop wise condensation apparatus
99	Computer Aided Engineering Lab	Ansys
100		Computers
101		Solid Works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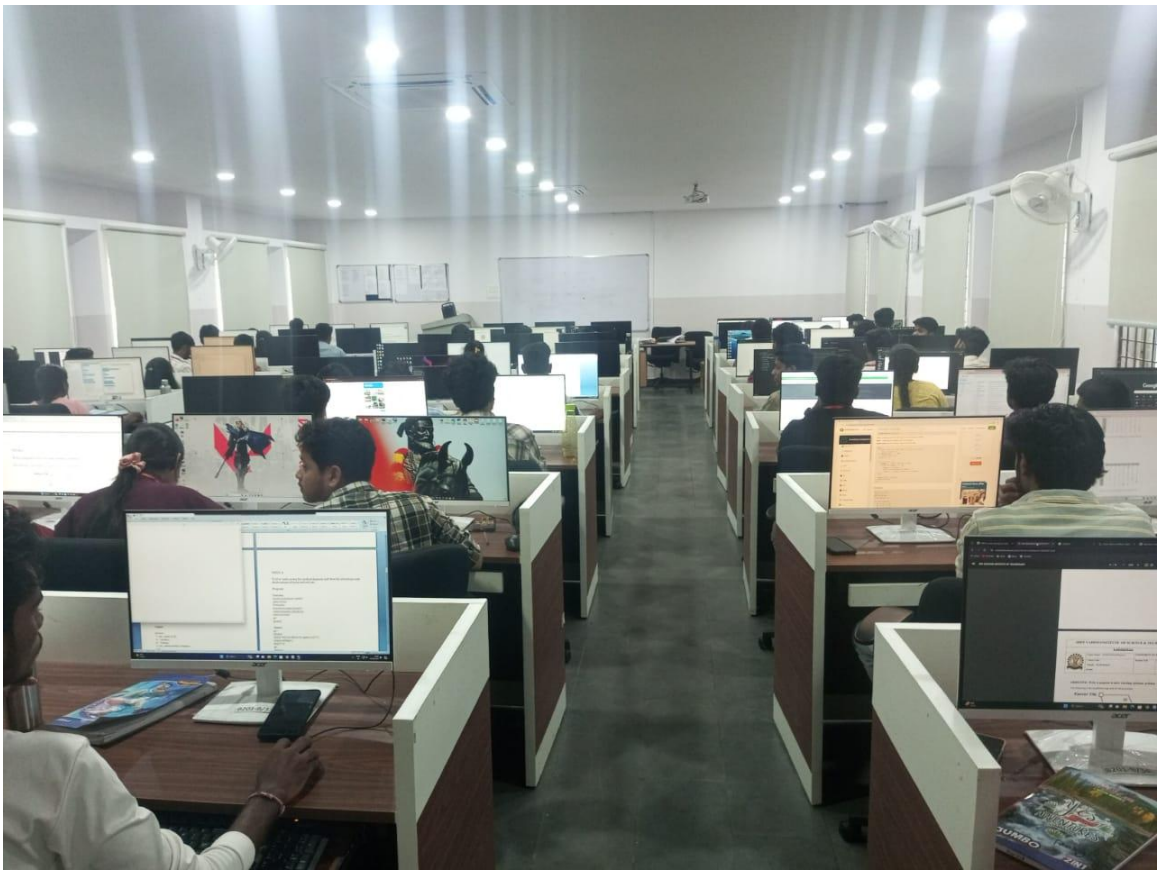

Department of Electrical and Electronics Engineering

Experimental Set up for EEE UG labs

S.No	Name of the Experimental Setup
1	Experimental setup to Verify Ohms law
2	Experimental setup to Verify KVL and KCL
3	Experimental setup to Verify Thevenin's Theorem
4	Experimental setup to Verify Superposition Theorem
5	Experimental setup to observe the transient Response of Series R- L and R - C circuits using DC excitation
6	Experimental setup to determine and verify impedance and current of series RL and RC circuit
7	Experimental setup to observe the transient Response of Series RLC circuit using DC excitation
8	Experimental Setup to find efficiency and regulation of Single phase transformer using direct loading method
9	Experimental Setup to find efficiency and regulation of Single phase transformer using OC and SC Test
10	Experimental Setup to draw the performance characteristics of DC Shunt motor by conducting brake test
11	Experimental Setup to draw the performance characteristics of Three phase squirrel cage Induction motor by conducting brake test conducting brake test
12	Experimental Setup to draw the opencircuit characteristics of Three phase alternator by conducting open circuit test conducting brake test

Electrical Circuits Lab

S.No	Name of the Experimental Setup
1	Experimental setup to Verify Ohm's law
2	Experimental setup to determine Equivalent resistance,current and voltage across each element in a given circuit
3	Experimental setup to Verify KVL and KCL
4	Experimental setup to determine mesh currents by performing mesh analysis
5	Experimental setup to determine node voltages by performing nodal analysis
6	Experimental setup to Verify Thevenin's Theorem
7	Experimental setup to Verify Norton's Theorem
8	Experimental setup to Verify Superposition Theorem
9	Experimental setup to Verify Reciprocity Theorem
10	Experimental setup to Verify Millimann's Theorem
11	Experimental setup to Verify Maximum Power Transfer Theorem
12	Experimental setup to calculate and verify impedance of series RL,RC and RLC circuits

Power Electronics and Simulation Laboratory

S.No	Name of the Experimental Setup
1	Experimental Setup to study the characteristics of SCR, IGBT and MOSFET
2	Exeprimental setup for Gate Firing Circuits for SCRs (R- Triggering, RC Triggering & UJT Triggering).
3	Experimental setup to find and verify the output of Single Phase AC voltage Controller with R & RL Loads.
4	Experimental setup to find and verify the output ofSingle Phase fully Controlled Bridge Converter with R& RL Loads.
5	Experimental setup to find and verify the output of DC Jones Chopper with R & RL Loads.
6	Experimental setup to find and verify the output of Single Phase Parallel Inverter with R& RL Loads.
7	Experimental setup to find and verify the output of Single Phase Cycloconverter with R& RL Loads.
8	Experimental setup to find and verify the output of Single Phase Series Inverter with R& RL Loads.
9	Experimental setup to find and verify the output of Single Phase Half controlled converter with R Load.

Analog Electronic Circuits Lab

S.No	Name of the Experimental Setup
1	Experimental Setup To Draw Forward And Reverse Bias Characteristics of P-N Junction Diode
2	Experimental Setup To Draw Characteristics of Zener Diode
3	Experimental Setup To Determine Ripple Factor For Half Wave Rectifier With And Without Filter
4	Experimental Setup To Determine Ripple Factor For Full Wave Rectifier With And Without Filter
5	Experimental Setup To Draw Input And Output Characteristics Of Transistor In CB Configuration
6	Experimental Setup To Draw Input And Output Characteristics Of Transistor In Common Emitter Configuration
7	Experimental Setup To Draw FET Characteristics
8	Experimental Setup To Draw Lissajous Pattern Using CROs
9	Experimental Setup To Obtain Frequency Response Of CE Amplifier
10	Experimental Setup To Obtain Frequency Response Of CS FET Amplifier

11	Experimental Setup To Draw SCR Characteristics
12	Experimental Setup To Draw UJT Characteristics

Electrical Machines – I Lab

S.No	Name of the Experimental Setup
1	Experimental Setup to plot the open circuit characteristics of D.C Shunt generator
2	Experimental Setup to perform load test on D.C Shunt generator and to determine its load characteristics
3	Experimental Setup to perform load test on D.C Compound generator and to determine its load characteristics
4	Experimental Setup to perform Load test on D.C. Series Generator and determine its Internal and external characteristics.
5	Experimental Setup to perform brake test on D.C Compound Motor and plot its performance characteristics.
6	Experimental Setup to perform Hopkinson's test on two identical D.C. Shunt machines and predetermine their efficiencies.
7	Experimental Setup to determine the efficiency of the two DC series machines by conducting field'stest.
8	Experimental Setup to separate stray losses in a D.C. Shunt Motor.
9	Experimental Setup to study the variation of speed of a D.C Shunt motor by varying Voltage across the armatureandshunt field current.
10	Experimental Setup to perform Swinburne's test on D.C Shunt Motor and predetermine the efficiency of a D.C.Shunt machine when it is working as a Motor and as a Generator.
11	Experimental Setup to perform brake test on D.C Shunt Motor and draw its performance characteristics.
12	Experimental Setup to separate the mechanical and iron losses of the given dc shunt machine.

Electrical Machines – II Lab

S.No	Name of the Experimental Setup
1	Experimental Setup todetermine the performance characteristics of 1-φ transformer by conductingSumpner's test.
2	Experimental Setup toseparate the core losses of a single-phase transformer.
3	Experimental Setup toget balanced two-phase supply from three-phase supply by using Scott connection&connect two single-phase transformers in parallel to load them and check the load sharing ateach Transformer.
4	Experimental Setup topredetermine the performance characteristics of a 3-φ Induction Motor from circlediagram.
5	Experimental Setup todetermine the regulation of an alternator by using Synchronous Impedance method & MMFmethods.
6	Experimental Setup todetermine the 'v' and inverted 'v' curves of a 3-phase synchronous motor.
7	Experimental Setup todraw the equivalent circuit of a 1-phase Induction Motor.
8	Experimental Setup todetermine the value of Xd, Xq and to calculate the regulation of a salient-pole alternator.
9	Experimental Setup topredetermine the percentage regulation of the given three phase alternator by ZPFMethod, by conducting Open Circuit, Short circuit and ZPF test.
10	Experimental Setup todetermine the Positive, Negative and Zero sequence of impedances orsequence impedances of the given three phase alternator.

11	Experimental Setup to Speed control of three-phase slip ring induction motor.
12	Experimental Setup to determine the Positive, Negative and Zero sequence (sequence impedance) of thegiven 3- Ø transformer

Measurements and Instrumentation Lab

S.No	Name of the Experimental Setup
1	Experimental SetuptoCalibrate and testing of single -phase energy Meter
2	Experimental SetuptoCalibrate dynamometer type power factor meter.
3	Experimental SetuptoCalibrate PMMC Ammeter and PMMC Voltmeter.
4	Experimental Setupto Determine Tolerance and Calculate Resistance in Kelvin Double Bridge.
5	Experimental SetuptoTest the Dielectric Oil Using H.T Testing Kit.
6	Experimental Setup to Determine Inductance &Capacitance in Andersons Bridge &Schering Bridge.
7	Experimental SetuptoMeasure the 3 Phase reactive power with single-phase wattmeter.
8	Experimental SetuptoMeasure the parameters of a choke coil using 3 voltmeter and 3 ammeter methods.
9	Experimental Setupto Calibrate & Calculate Characteristics of LVDT Kit.
10	Experimental SetuptoMeasure strain in Resistance Strain Gauge
11	Experimental Setupto Measure Transformer turns ratio using A.C. Bridge.
12	Experimental SetuptoMeasure ratio error and phase angle of given C.T. by comparison

Department of Civil Engineering

SM lab

List of Experiments	
1	Tension test
2	Bending test on (Steel/Wood) Cantilever beam.
3	Bending test on simple support beam
4	Torsion test
5	Hardness test
6	Spring test
7	Compression test on wood or concrete
8	Impact Test
9	Shear Test
10	Verification of Maxwell's Reciprocal theorem on beams
11	Use of electrical resistance strain gauges
12	Continuous beam- deflection test

Lab: Engineering Geology

List of Experiments	
1	Study of physical properties and identification of minerals.
2	Study of physical properties and identification of rocks (Igneous Rocks)
3	Study of physical properties and identification of rocks (Sedimentary Rocks)
4	Study of physical properties and identification of rocks (Metamorphic Rocks)
5	Microscopic study of rocks
6	Microscopic study of Minerals
7	Study of Geological Structures like Faults and Folds
8	Study of Geological Structures like Tilted Bed models and unconformities
9	Interpretation and drawing of sections for geological maps showing tilted beds, faults, uniformities etc.

10	Simple Structural Geology problems.

Lab: Environmental Engineering

List of Experiments	
1	Determination of pH and turbidity
2	Determination of Conductivity and total dissolved solids
3	Determination of Alkalinity and Acidity
4	Determination of Chlorides
5	Determination of Iron
6	Determination of Dissolved Oxygen
7	Determination of Nitrates
8	Determination of Optimum dose of Coagulant
9	Determination of Chlorine Demand
10	Determination of B.O.D
11	Determination of C.O.D
12	Presumptive Coliform test

Lab: FMHM

List of Experiments	
1	Calibration of venture meter and Orifice meter
2	Determination of coefficient of discharge for a small orifice/mouthpiece by constant head method
3	Calibration of contracted rectangular notch and triangular notch
4	Determination of friction factor of a pipe
5	Determination of coefficient for minor losses
6	Verification of Bernoulli's equation
7	Impact of jet on vanes
8	Study of hydraulic jump
9	Performance test on Pelton wheel turbine
10	Performance test on Francis turbine
11	Performance characteristics of a single stage/multi stage centrifugal pump
12	Performance characteristics of a reciprocating pump

Lab: CAD

List of Experiments	
1	Software for CAD-introduction to different software
2	Introduction to computer aided drafting
3	Practice exercises on basic commands of CAD software
4	Drawing of plans of Single storey buildings using software
5	Drawing of plans of Multi storied buildings
6	Developing sections and elevations of Single storey buildings
7	Developing sections and elevations of Multi storey buildings
8	Detailing of different types (any 2 types) of doors and its components by using CAD
9	Detailing of different types (any 2 types) of windows and c its components by using CAD
10	Detailed drawing of Roofs trusses by using CAD
11	Exercises on development of working of building by using CAD
12	Planning of commercial building (School building)

Lab: C&HM

List of Experiments	
I.ROAD AGGREGATES	
1	Aggregate Crushing Value
2	Aggregate Impact Test
3	Specific Gravity And Water Absorption
4	Attrition Test
5	Abrasion Test
6	Shape Test
II. BITUMINOUS MATERIALS	
7	Penetration Test
8	Ductility Test
9	Softening Point
10	Flash And Fire Point.
III. CEMENT AND CONCRETE	
TESTS ON CEMENTS:	
11	Normal Consistency Of Fineness Of Cement.
12	Initial And Final Setting Time Of Cement.
13	Specific Gravity And Soundness Of Cement.
14	Compressive Strength Of Cement.
TESTS ON CONCRETE:	
15	Workability Test On Concrete By Compaction Factor , Slump And Vee- Bee.
16	Young's Modulus And Compressive Strength Of Concrete.
17	Bulking Of Sand.
18	Non Destructive Testing On Concrete (For Demonstration).

Lab: GTE

List of Experiments	
1	Atterberg,s limits
2	Field Density- core cutter and sand replacement method
3	Grain size analysis
4	Permeability of soil, constant head test
5	Permeability of soil, variable head test
6	Compaction test
7	C.B.R Test
8	Consolidation test
9	Unconfined compression test
10	Triaxial compression test
11	Direct shear test
12	Vane shear test

Lab: S&G

Exp No	Brief Details of Experiments
I	Survey of an area by chain surveying.
II	Determination of two inaccessible points by using prismatic compass.
III	Surveying of a given area by prismatic compass (closed traverse) and plotting after adjustment.
IV	Radiation & intersection method by plane table survey.(Any one exercise)

V	Exercise on fly levelling using dumpy level.
VI	An exercise on L.S, C.S and Plotting
VII	Trigonometric leveling – Heights and distance problem
VIII	Determination of Area & Remote height using total station
IX	Traversing & Contouring using total station
X	Distance, gradient, Diff. height between two inaccessible points using total station
XI	Study on use of GPS for data collection
XII	Collection of Point Data, Line Data, and Polygon Data using GPS.

Department of Electronics and Communication Engineering

S.No	Degree	Department	Name of the Lab	Name of the Equipment Usage	No. of Units available
1	B.Tech	Electronics & Communication Engineering	Digital Logic Design Lab/Electronic circuit Analysis Lab	Digital Trainer Kits	10
2	B.Tech	Electronics & Communication Engineering	Digital Logic Design Lab/Electronic circuit Analysis Lab	Class A power Amplifier Kit	2
3	B.Tech	Electronics & Communication Engineering	Digital Logic Design Lab/Electronic circuit Analysis Lab	Class C power Amplifier Kit	2
4	B.Tech	Electronics & Communication Engineering	Digital Logic Design Lab/Electronic circuit Analysis Lab	Hartley Oscillator Kit	2
5	B.Tech	Electronics & Communication Engineering	Digital Logic Design Lab/Electronic circuit Analysis Lab	Colpitt's Oscillator Kit	2
6	B.Tech	Electronics & Communication Engineering	Digital Logic Design Lab/Electronic circuit Analysis Lab	Darlington Pair Kit	2
7	B.Tech	Electronics & Communication Engineering	Digital Logic Design Lab/Electronic circuit Analysis Lab	Common source Amplifier Kit	2
8	B.Tech	Electronics & Communication Engineering	Digital Logic Design Lab/Electronic circuit Analysis Lab	Single Tuned Voltage Amplifier Kit	2
9	B.Tech	Electronics & Communication Engineering	Digital Logic Design Lab/Electronic circuit Analysis Lab	Boot Strap sweep circuit kit	1
10	B.Tech	Electronics & Communication Engineering	Digital Logic Design Lab/Electronic circuit Analysis Lab	Miller Sweep Circuit kit	1
11	B.Tech	Electronics & Communication Engineering	Digital Logic Design Lab/Electronic circuit Analysis Lab	Bread Boards	10
12	B.Tech	Electronics & Communication Engineering	Digital Logic Design Lab/Electronic circuit Analysis Lab	Digital Storage Oscilloscope	10

13	B.Tech	Electronics & Communication Engineering	Digital Logic Design Lab/Electronic circuit Analysis Lab	Function Generator(1Hz - 1MHz)	10
14	B.Tech	Electronics & Communication Engineering	Digital Logic Design Lab/Electronic circuit Analysis Lab	Regulated power supply (0-30V)	10
15	B.Tech	Electronics & Communication Engineering	Digital Logic Design Lab/Electronic circuit Analysis Lab	Decade Resistor Box	10
16	B.Tech	Electronics & Communication Engineering	Digital Logic Design Lab/Electronic circuit Analysis Lab	Decade Capacitance Box	10
17	B.Tech	Electronics & Communication Engineering	Digital Logic Design Lab/Electronic circuit Analysis Lab	Decade Inductance Box	10
18	B.Tech	Electronics & Communication Engineering	Digital Logic Design Lab/Electronic circuit Analysis Lab	Ammeters (0 - 200mA)	10
19	B.Tech	Electronics & Communication Engineering	Digital Logic Design Lab/Electronic circuit Analysis Lab	Voltmeters (0 - 20V)	10
20	B.Tech	Electronics & Communication Engineering	Digital Logic Design Lab/Electronic circuit Analysis Lab	Multimeters	4

S.No	Degree	Department	Name of the Lab	Name of the Equipment Usage	No. of Units available
1	B.Tech	Electronics & Communication Engineering	Basic Simulation Lab/Digital Signal Processing Lab	Computers	30
2	B.Tech	Electronics & Communication Engineering	Basic Simulation Lab/Digital Signal Processing Lab	Matlab Licenced Software	30

S.No	Degree	Department	Name of the Lab	Name of the Equipment Usage	No. of Units available
1	B.Tech	Electronics & Communication Engineering	Analog & Digital Communications Lab	CRO (0-20MHz)	12
2	B.Tech	Electronics & Communication Engineering	Analog & Digital Communications Lab	Function Generators (1Hz - 1MHz)	12
3	B.Tech	Electronics & Communication Engineering	Analog & Digital Communications Lab	Amplitude Modulation Kit (Including Power Supply)	4
4	B.Tech	Electronics & Communication Engineering	Analog & Digital Communications Lab	DSB-SC Kit (Including Power Supply)	4

5	B.Tech	Electronics & Communication Engineering	Analog & Digital Communications Lab	SSB-SC Kit (Including Power Supply)	2
6	B.Tech	Electronics & Communication Engineering	Analog & Digital Communications Lab	FM Kit (Including Power Supply)	4
7	B.Tech	Electronics & Communication Engineering	Analog & Digital Communications Lab	PAM Kit (Including Power Supply)	4
8	B.Tech	Electronics & Communication Engineering	Analog & Digital Communications Lab	Pre-emphasis and De-emphasis kit (Including Power Supply)	4
9	B.Tech	Electronics & Communication Engineering	Analog & Digital Communications Lab	Sampling Theorem Kit (Including Power Supply)	4
10	B.Tech	Electronics & Communication Engineering	Analog & Digital Communications Lab	Pulse Code Modulation and Demodulation Kit (Including Power Supply)	4
11	B.Tech	Electronics & Communication Engineering	Analog & Digital Communications Lab	Delta Modulation and demodulation kit (Including Power Supply)	4
12	B.Tech	Electronics & Communication Engineering	Analog & Digital Communications Lab	PSK Modulation and Demodulation kit (Including Power Supply)	4
13	B.Tech	Electronics & Communication Engineering	Analog & Digital Communications Lab	FSK Modulation and Demodulation kit (Including Power Supply)	4
14	B.Tech	Electronics & Communication Engineering	Analog & Digital Communications Lab	DPSK Modulation and Demodulation kit (Including Power Supply)	4
15	B.Tech	Electronics & Communication Engineering	Analog & Digital Communications Lab	QPSK Modulation and Demodulation kit (Including Power Supply)	1
16	B.Tech	Electronics & Communication Engineering	Analog & Digital Communications Lab	Spectrum Analyzer	1

S.No	Degree	Department	Name of the Lab	Name of the Equipment Usage	No. of Units available
1	B.Tech	Electronics & Communication Engineering	Linear IC Applications Lab	Digital Storage Oscilloscope(0-70MHz)	10

2	B.Tech	Electronics & Communication Engineering	Linear IC Applications Lab	Function Generators (10Hz - 1MHz)	10
3	B.Tech	Electronics & Communication Engineering	Linear IC Applications Lab	Regulated power supply (0-30V)	10
4	B.Tech	Electronics & Communication Engineering	Linear IC Applications Lab	Decade Resistor Box	10
5	B.Tech	Electronics & Communication Engineering	Linear IC Applications Lab	Decade Capacitance Box	10
6	B.Tech	Electronics & Communication Engineering	Linear IC Applications Lab	Ammeters (0 - 200mA)	10
7	B.Tech	Electronics & Communication Engineering	Linear IC Applications Lab	Voltmeters (0 - 20V)	10
8	B.Tech	Electronics & Communication Engineering	Linear IC Applications Lab	Weighted resistor type DAC Kit	1
9	B.Tech	Electronics & Communication Engineering	Linear IC Applications Lab	R-2R ladder type DAC Kit	1
10	B.Tech	Electronics & Communication Engineering	Linear IC Applications Lab	Bread Boards	10
11	B.Tech	Electronics & Communication Engineering	Linear IC Applications Lab	Digital IC Trainer Kits	8

S.No	Degree	Department	Name of the Lab	Name of the Equipment Usage	No. of Units available
1	B.Tech	Electronics & Communication Engineering	Micro Processors & Micro Controllers Lab	Stand Alone 8086 Microprocessor Trainer Kit	7
2	B.Tech	Electronics & Communication Engineering	Micro Processors & Micro Controllers Lab	Computers	40
3	B.Tech	Electronics & Communication Engineering	Micro Processors & Micro Controllers Lab	MASM Software	40
4	B.Tech	Electronics & Communication Engineering	Micro Processors & Micro Controllers Lab	Keil µVision Software	40
5	B.Tech	Electronics & Communication Engineering	Micro Processors & Micro Controllers Lab	Stepper Motor Interface	1
6	B.Tech	Electronics & Communication Engineering	Micro Processors & Micro Controllers Lab	8-bit 8 Channel A/D Interface Module	1

7	B.Tech	Electronics & Communication Engineering	Micro Processors & Micro Controllers Lab	Dual DAC Interface	1
8	B.Tech	Electronics & Communication Engineering	Micro Processors & Micro Controllers Lab	8255 Study Card	2
9	B.Tech	Electronics & Communication Engineering	Micro Processors & Micro Controllers Lab	8251 USART Interface	1
10	B.Tech	Electronics & Communication Engineering	Micro Processors & Micro Controllers Lab	RS-232C Interface	10
11	B.Tech	Electronics & Communication Engineering	Micro Processors & Micro Controllers Lab	8257 DMA Controller	2
12	B.Tech	Electronics & Communication Engineering	Micro Processors & Micro Controllers Lab	8051 Microcontroller Trainer SDA - 51MB	4
13	B.Tech	Electronics & Communication Engineering	Micro Processors & Micro Controllers Lab	CRO	1

S.No	Degree	Department	Name of the Lab	Name of the Equipment Usage	No. of Units available
1	B.Tech	Electronics & Communication Engineering	Antenna Laboratory	Computers	40
2	B.Tech	Electronics & Communication Engineering	Antenna Laboratory	4NEC2 Open Source Software	40

S.No	Degree	Department	Name of the Lab	Name of the Equipment Usage	No. of Units available
1	B.Tech	Electronics & Communication Engineering	VLSI Laboratory	Computers	30
2	B.Tech	Electronics & Communication Engineering	VLSI Laboratory	Xilinx VIVADO System Edition	30
3	B.Tech	Electronics & Communication Engineering	VLSI Laboratory	Artix7 FPGA Development Boards	10

S.No	Degree	Department	Name of the Lab	Name of the Equipment Usage	No. of Units available

1	B.Tech	Electronics & Communication Engineering	Embedded system Design Laboratory	FRDM Kits (ARM based Cortex Board)(Freescale Freedom Development Platform Board)	10
2	B.Tech	Electronics & Communication Engineering	Embedded system Design Laboratory	Computers	30
3	B.Tech	Electronics & Communication Engineering	Embedded system Design Laboratory	mbed Open Source Software	30
4	B.Tech	Electronics & Communication Engineering	Embedded system Design Laboratory	FRDM IOT Shields	2

S.No	Degree	Department	Name of the Lab	Name of the Equipment Usage	No. of Units avilable
1	B.Tech	Electronics & Communication Engineering	Microwave Engineering Lab	Gunn diode based Microwave bench setup including Gunn power supply.	3
2	B.Tech	Electronics & Communication Engineering	Microwave Engineering Lab	Klystron based Microwave bench setup including Klystron power supply.	3
3	B.Tech	Electronics & Communication Engineering	Microwave Engineering Lab	micro Ammeter (0-500µA)	4
4	B.Tech	Electronics & Communication Engineering	Microwave Engineering Lab	Milli Ammeters (0-10mA)	6
5	B.Tech	Electronics & Communication Engineering	Microwave Engineering Lab	VSWR meter	4
6	B.Tech	Electronics & Communication Engineering	Microwave Engineering Lab	Slotted Section	5
7	B.Tech	Electronics & Communication Engineering	Microwave Engineering Lab	Magic T Junction	2
8	B.Tech	Electronics & Communication Engineering	Microwave Engineering Lab	Circulator	4
9	B.Tech	Electronics & Communication Engineering	Microwave Engineering Lab	Directional Couplers for 2 directivities	5
10	B.Tech	Electronics & Communication Engineering	Microwave Engineering Lab	Attenuators for 2 different attenuations	6

11	B.Tech	Electronics & Communication Engineering	Microwave Engineering Lab	Matched termination	10
12	B.Tech	Electronics & Communication Engineering	Microwave Engineering Lab	Horn Antenna	4

Lecture Video Recording Studio Room, 250 capacity Seating Auditorium and 400 capacity conference rooms 3 no and seminar halls of 15 no.

Facilities for conduct of classes/courses in online mode (Theory & Practical): Each department has required facilities to conduct classes' online mode. IIIT Hyderabad virtual lab access to departments

xv. Innovation Cell

Institution's Innovation Council (IIC)

MIC has envisioned the creation of Institution's Innovation Council (IIC) across selected HEIs. A network of these IICs will be established to promote innovation in the Institution through infinite modes leading to an innovation promotion eco-system in these campuses. For more information of IIC and current calendar activities, please visit https://iic.mic.gov.in/login

Functions of IIC

- To conduct various innovation and entrepreneurship-related activities prescribed by Central MIC in time bound fashion.
- Opportunity to nurture and prototype new ideas.
- Mentoring by industry Professionals.
- Organize periodic workshops/ seminars/ interactions with entrepreneurs, investors, professionals and create a mentor pool for student innovators.
- Network with peers and national entrepreneurship development organizations.
- Create an Institution's Innovation portal to highlight innovative projects carried out by institution's faculty and students.
- Organize Hackathons, idea competition, mini-challenges etc. with the involvement of industries.

For more details: https://vjit.ac.in/mic-iic/

National Innovation and Start-up Policy

VJIT-NISP

Vision

India aspires to become 5 trillion-dollar economy by 2024. To reach the mark, it needs to evolve systems and mechanisms to convert the present demographic dividend into high quality technical human resource capable of doing cutting edge research and innovation and deep-tech entrepreneurship.

Objective

The main objective of VJIT-National Innovation and Startup Policy (NISP) is that promoting entrepreneurship, encourage the students & faculty to startups and managing Intellectual Property Rights (IPR) ownership.

https://vjit.ac.in/mic-iic/nisp/

Intellectual Property Rights Cell

Objectives:

- To provide IPRs protection information, orientation and facilities to faculty& students.
- To guide & advise researchers on how to obtain & sustain patents and help them approach the Patent IPR Cell.
- To provide IPRs protection information, orientation and facilities to Institute (VJIT Students, Faculty and Research Scholars) to facilitate routing of patent searchers to IPR, India.
- To get necessary clearances from competent authorities while filling patents and other IPRs like copyrights registration and design registration, etc. through IPR Cell.
- To workout modalities on behalf of students for commercialization of patented technologies.
- To organize various IPR awareness programmes collaborating with Research Organizations inVJIT Campus.

https://vjit.ac.in/ipr/

Incubation Centers

The Institute has two Incubation Centers,

- MSME Recognized Business Incubation center with registration ID : HI/BI Registration Number : HIBITS000288 with effective from 10th January 2020
- Data Ready Technology Corp. a Canada corporation, located in Toronto, Ontario, Canada with effective from 19th February 2019 to 18th February 2021

xvi. Social Media Cell

VJIT College of Engineering is active on various Social Media Platforms like Facebook,Twitter and Instagram. The institute can be reached on social media on the following links.

Linkedin: https://www.linkedin.com/school/vidya-jyothi-institute-of-technology/mycompany/

Facebook: https://www.facebook.com/groups/ganesh.vjit

Instagram: https://www.instagram.com/vjitcollege/

Twitter: https://twitter.com/vjitengg

Compliance of the National Academic Depository (NAD), applicable toPGCM/ PGDM Institutions and University Departments

Not Applicable

xvii. Compliance of the Academic Block of Credit (ABC), applicable to PGCM/PGDM Institutions and University Departments

Infrastructure Facilities: https://vjit.ac.in/about-us/infrastructure/
Campus facilities: https://vjit.ac.in/campus-life/campus-facilities/
Food Court

VJIT has a spacious 2600sft central cafeteria with a modern kitchen and the hygienic dining hall environment which provides quality food and prompts service and caters to the needs of all the students and the staff. Mini cafes and fast-food centers are also available in various blocks all over VJIT. The canteen is open from 8:30 a.m. to 5:30 p.m. The menu features a variety of North-Indian, South-Indian, and Chinese cuisine. The canteen supplies cool and clean aqua water.

Professional Bodies

- Each department in the College has well known their own Professional Bodies and Student Chapters like IEEE, ISTE, ACM, CSI, IETE, SPIE Etc…
- The ISTE has conducted its 42nd National convention at Anurag Group during December 2012.
- Under these Professional Bodies all the departments organizes events like Student workshops, Seminars and Guest Lectures.
- Students are regularly sent to attend National and International conference through these Professional Bodies.
- The presence of Professional Bodies in the College is crucial to Engineering Education

https://vjit.ac.in/campus-life/professional-bodies/

Soft Skills and activities

https://vjit.ac.in/wp-content/uploads/2024/04/CapacityDeve.pdf

Career Guidance Cell

The Career Guidance Cell provides relevant academic and career information to empower Students to make informed decisions along the way. The focus is to provide learning/training opportunities in all the relevant areas of academic, career and personal/ social development and to prepare students to meet their future challenges. The Career Guidance Cell provides commendable services in areas of Campus Interviews; Job Placements and training programs for our students that enable them to develop applicable skills in the competitive job market. The Cell organizes Workshops and Seminars on Personality Development, Interpersonal Relationship, Communication Skills, Interview Skills and Presentation Skills to facilitate an All Round Development of students. Eminent resource persons from various sectors and esteemed institutions are invited for providing the required training to the students.

Objectives of the Career Guidance Cell

- To provide information about various career options available to the students
- To conduct a survey among students on their career options
- To organize programs and to create awareness about the importance of higher studies in India and abroad.
- To organize diagnostic tests for the competitive exams such as CAT, GRE, TOEFL, GMAT and to counsel them for higher studies.
- To organize coaching classes on CAT, GRE, TOEFL, GMAT etc.
- To organize and offer various programs on Personality Development, Soft Skills and Communication Skills.
- To invite companies' organizations for campus interviews and provide them necessary facilities for conducting written test, group discussion, technical and HR interviews etc.
- To arrange industrial visit for pre final year and final year students.
- To organize mock interview, group discussion, experience sharing by eminent personalities, business communication skills and conduct online/offline tests on problem solving and aptitude tests.
- To display various job advertisements, opportunities and career column in leading newspapers.

Career Guidance for Higher studies

Institute received a funding of Rs.8,49,997/- from AICTE Prerana – 2019 Scheme for preparing SC/ST Students for Higher education.

- The Institute organizes seminars, workshops on soft skills and placement orientation program to impart the skills and guidance for higher education to the students.
- Prayukthi is an initiative taken in the year 2016 to help the students coming from reserved categories (SC/ST), so that they can stand strong. PRAYUKTHI in VJIT is considered as best practice as because from the inception, this initiative is creating a significant change in the learning and development of the reserved category students.
- Language lab has interactive software which enables the students to prepare for GRE and TOEFL examinations.
- Large number of books on career guidance and competitive examinations are available in Library.
- Communication Skills through British English Council(BEC)

- Certification Programs through Hindu STEP (Standardized Test of English Proficiency) **https://vjit.ac.in/placements/career-and-guidance-cell/**

Curriculum and syllabus for each of the Programmes as approved by theUniversity https://vjit.ac.in/autonomy/

Academic Calendar of the College

Academic Calendar of the College is available at: https://vjit.ac.in/autonomy/
Assessment processes of Course Outcomes for regulation – R18:

The course outcomes were prepared by using action verbs of Bloom's Taxonomy.

All the course outcomes are prepared in such a way that they are measurable by means of written, oral skills and presentations etc.

S.No.	Assessment tool	Its impact on course delivery / content	Relevance towards attainment of Course outcomes
1	Mid – I & Mid – II	Two midterm examinations per semester. The Question Paper will set from the first 2.5 units for the first mid examinations. The weightage of mid examination is 20 Marks. Mid –II is from the remaining 2.5 units. An Average of two mid examinations considered for final mid examination marks.	CO1 CO2 CO3 CO4 CO5
2	Assignment -1 & Assignment - 2	Assignment questions are used to assess the Course Outcomes. The weightage of Assignment is 5 Marks.	CO1 CO2 CO3 CO4 CO5
3	Continuous Evaluation performance in the laboratories	In the laboratory hour's continuous evaluation sheet is maintained to record the performance and regular activity of the student. Assessment sheet as given in Criterion 2. This evaluation sheet record for 25 marks.	CO1 CO2 CO3 CO4 CO5
4	Mini projects: done during summer vacation after III/II. Major projects: done in IV/II	The mini project carries 50 marks. The major project carries 200 Marks	CO1 CO2 CO3 CO4 CO5
5	Comprehensive Viva Voce IV year II semester	The viva voce is meant to test the student ability in all the courses pursued under his graduation. The weightage is 100 marks	CO1 CO2 CO3 CO4 CO5

6	Seminar Presentations IV year II semester	The student needs to gather the information on the latest technology in his/her domain and should give a presentation for 30 minutes. The weightage is 50 marks	CO1 CO2 CO3 CO4 CO5
7	Semester End Examinations	The question papers will set and evaluated by the external examiners. The weightage is 75 marks	CO1 CO2 CO3 CO4 CO5

S.No	Assessment Tool	Maximum marks
1	Midterm Exams	25
2	University/Semester End Examinations	75
3	Labs	75
4	Industry Oriented Mini Project	50
5	Major Project	200
6	Technical Seminar	50
7	Comprehensive Viva Voce	100

Feedback on Faculty

Student feedback on teaching Learning Process

Feedback from students has always played an important role in the maintenance of quality and standards in education. After the two weeks of the commencement of the class work all the students are required to fill a feedback-form apprising the faculty using a scale of 1 (low) through 10 (high).

Feedback collection process:

Feedback on all the faculty members is taken from the students against the below mentioned parameters

1. Subject Knowledge
2. Communication
3. Presentation skills
4. Punctuality
5. Control over the class
6. Audibility
7. Professionalism
8. Content of lecture

9. Clarification of doubts
10. Explanation with examples.

Currently we are taking feedback through online feedback system in CAMPX SQUARE LMS platform. The students has to fill the form and he/she gives feedback points from 1⁎(low) to 5⁎ (high) for the measuring ten parameters mentioned above.

Corrective Actions:

Based on the students' feedback, faculty members are advised with relevant suggestions from Head of the Department.

Student feedback on teaching Learning Process

Feedback from students has always played an important role in the maintenance of quality and standards in education. Feedback on teaching learning process is taken in 2 ways.

1. Semester wise on curriculum by students and stakeholders
2. Institute level on Teaching Learning Process by students

Feedback on teaching learning process is taken for every course at the end of semester by students on the following parameters.

1. Depth of the Course content sufficient for learning outcomes
2. Credit allotment
3. Timely coverage of Syllabus
4. Delivery of Syllabi in the Class
5. Use of Teaching Aids and ICT in the Class to Facilitate Teaching
6. Overall Experience with Internal Assessment (Quiz, Assignments, Presentations etc.)
7. Student Teacher Interaction
8. Integration of Theory and Practical in Classes
9. Availability of Quality reference course material
10. The pre-requisite courses are appropriate for the course
11. The Electives offered are relevant to the specialization streams and are in tune with technological advancements
12. Laboratory experiments / assessment done as per the Standard Operating Procedures

xviii. To upload the respective short video (1-2 min) of Infrastructure and facilities available w.r.t the courses in the website https://youtu.be/3UL4bDiS69A

xix. Games and Sports facilities

Games and Sports Facilities: https://vjit.ac.in/about-us/infrastructure/sports/

Sports play an important role in shaping up the personality and fitness of a person and to give truly global experience to all the students of VJIT. Sports environments matching global standards are provided at the college.
VJIT College is founded in 1999, since the inception college has been actively involved in sports and has been undisputed champions in Games like Cricket, Volleyball, Kabaddi, Badminton, Basketball, Wrestling, Boxing, Chess and Table Tennis.
College has a very good infrastructure of volleyball courts, basketball court, kabaddi courts,

cricket ground and nets, and Table Tennis Hall which accommodates 06 TT tables. Also has a Gym with latest Gym equipment's for boys and girls..

Indoor Games and Sports facilities available:

Name of the game	area available in SQM	Nos.
Carroms (Boys & Girls)	90	6 Boards each
Chess (Boys & Girls)	90	5 Boards each
Table Tennis	90	7 Boards each
Shuttle Badminton	609	3 courts
Snookers	150	4 Tables
Gymnasium Boys	133	1
Gymnasium Girls	104	1
Yoga class room	72	1 Room
Student rest rooms	600	8 Rooms

Outdoor Games and Sports facilities available:

Name of the game	Total area available in SQM	No of courts/field
Cricket	3,600	1
Foot Ball	2,200	1
Basketball	540	1
Volleyball	980	3
Throw Ball	360	1
Tennikoit	150	1
Kabbadi	400	1

Yoga Center: https://vjit.ac.in/campus-life/yoga-center/

Extra-Curricular Activities

To provide a common platform for students to explore their inherent talents through extra-curricular activities the following clubs are formed under the Student Affairs division.

1. Coding club
2. Hackathon club
3. Sankhyaan club
4. Yukthi club
5. Sports club
6. Nascent club
7. Photography club

https://vjit.ac.in/campus-life/clubs/

xx. Teaching Learning Process

Institute level on Teaching Learning Process by students

Institute level this feedback is taken every academic year for the overall improvement on Teaching Learning Process by students. Action is taken department wise by the suggestions given by students

Q. No.	Question
1	How much of the syllabus was covered in the class?

2	How well did the teachers prepare for the classes?
3	How well were the teachers able to communicate?
4	The teacher's approach to teaching can best be described as
5	Fairness of the internal evaluation process by the teachers
6	Was your performance in assignments discussed with you?
7	The institute takes active interest in promoting internship, student exchange, and field visit opportunities for students.
8	The teaching and mentoring process in your institution facilitates you in cognitive, social and emotional growth.
9	The institution provides multiple opportunities to learn and grow.
10	Teachers inform you about your expected competencies, course outcomes and programme outcomes.
11	Your mentor does a necessary follow – up with an assigned task to you.
12	The teachers illustrate the concept through examples and applications.
13	The teachers identify your strengths and encourage you with providing right level of challenges.
14	Teachers are able to identify your weaknesses and help you to overcome them.
15	The institution makes efforts to engage students in the monitoring, review and continuous quality improvement of the teaching learning process.
16	The institute/ teachers use student centric methods, such as experiential learning, participative learning and problem-solving methodologies for enhancing learning experiences.
17	Teachers encourage you to participate in extracurricular activities.
18	Efforts are made by the institute/ teachers to inculcate soft skills, life skills and employability skills to make you ready for the world of work.
19	What percentage of teachers use ICT tools such as LCD projector, multimedia, etc. while teaching
20	The overall quality of teaching – learning process in your institute is very good.
21	Give the observation/ suggestions to improve the overall teaching – learning experience in your institution.

xxi. For each Post Graduate Courses give the following:

- *Title of the Course*
- *Curricula and Syllabi*
- *Laboratory facilities exclusive to the Post Graduate Course*

Curricula and Syllabi

SNo	Title of the Course	Curricula and Syllabi
1.	PG - M.Tech. - Computer Science And Engineering	https://vjit.ac.in/autonomy/
2.	PG - M.Tech. – Embedded systems	https://vjit.ac.in/autonomy/
3.	PG - M.Tech. – Electrical Power systems	https://vjit.ac.in/autonomy/
4.	PG - M.Tech. – CAD/CAM	https://vjit.ac.in/autonomy/
5.	PG - M.Tech. - Structural Engineering	https://vjit.ac.in/autonomy/
6.	PG – MBA – Master Of Business Administration	https://vjit.ac.in/autonomy/

xxii. Software's available

SOFTWARE LIST:

System software:

1) Windows Operating System (Licensed)
2) Window Server (Licensed)
3) Linux (Open Source)
4) Ubuntu (Open Source)
5) Android Studio (Open Source)
6) Raspberry Pl (Open Source)

Application Software:

1) Agro Uml – (FREEWARE)
2) IOT (Raspbian) – License
3) SCI Lab- (FREEWARE)
4) Cloudera (Big Data-Hadoop) – (FREEWARE)
5) DevC++- (FREEWARE)
6) Weka Tool – (FREEWARE)
7) MySQL- (FREEWARE)
8) JDK – (FREEWARE)
9) XAMPP Tool- (FREEWARE)
10) Tomcat Server- (FREEWARE)
11) Pentaho Data Integration- (FREEWARE)
12) PHP- (FREEWARE)
13) PUTTY.- (FREEWARE)
14) K-VAN English Software-License
15) Walden ICS English Software-License

16) Cadence Orcad (Pspice)- License
17) Mentor Graphics –License
18) Mat lab – License
19) Xilinx –License
20) Android Studio-(FREEWARE)
21) KEIL-(FREEWARE)
21) Python – (FREEWARE)
22) R Studio – (FREEWARE)
23) Eclips – (FREEWARE)
24) Masm – (FREEWARE)
25) TINA –License
26) Ansys – License
27) Algor Nastran - License
28) Edgcam- License
29) Creo 2.0- License
30) Solid Works – License
31) AutoCAD – License
32) StaadPro- License

S.No	Software	Department Utilizing	Free / Paid	License
1	LINUX	All Dept.	Free	Free
2	UBUNTU	All Dept.	Free	Free
3	Agro Uml	CSE /IT Dept.	Free	Free
4	Cloudera (Big Data-Hadoop)	CSE/IT Dept.	Free	Free
5	C++	CSE /IT Dept.	Free	Free
6	Raspbian	CSE /IT Dept.	Free	Free
7	Weka Tool	CSE /IT Dept.	Free	Free
8	MySQL	CSE /IT Dept.	Free	Free
9	JDK		Free	Free
10	XAMPP Tool	CSE /IT Dept.	Free	Free
11	Tomcat Server	CSE /IT Dept.	Free	Free
12	Pentaho Data Integration	CSE /IT Dept.	Free	Free
13	PHP 5.5	CSE /IT Dept.	Free	Free
14	PUTTY.	CSE /IT Dept.	Free	Free
15	Walden English Software	H & S		
16	K-VAN English Software	H & S		
17	SCI Lab	CSE Dept		
18	Cadence Orcad (Pspice)	ECE Dept.		
19	Mentor Graphics	ECE Dept.		
20	Mat lab	ECE Dept.		
21	Xilinx	ECE Dept.		

22	Masm	ECE Dept.		
23	Embedded Compiler	ECE Dept.		
24	Keil	ECE Dept.		
25	LT Spice	MECH Dept.		
26	Ansys	MECH Dept.		
27	Algor Nastran	MECH Dept.		
28	Edgcam	MECH Dept.		
29	Creo 2.0	MECH Dept.		
30	Solid Works	MECH Dept.		
31	AutoCAD	Civil/Mech		
32	StaadPro	Civil		

xxiii. Laboratory facilities exclusive to the Post Graduate Course

Experimental Setup for EEE PG labs

S.No	Name of the Experimental Setup
1	Experimental setup to, determination of Line Parameters R, L and C.
2	Experimental setup to for, Fault Analysis of Single Line to Ground fault (L-G).
3	Performance and Testing of Transformer.
4	Experimental setup to, determination of sequence impedances of three phase transformers .
5	Experimental setup to determination of Sequence Impedances of a Cylindrical Rotor Synchronous Machine.
6	Experimental setup to determination of Sub-transient reactance's of a Salient Pole Synchronous Machine.
7	Experimental setup to determination of negative sequence currents.
8	Experimental setup to determination of maximum operating voltage.
9	Experimental setup to determination of maximum current rating.
10	Experimental setup to determination of minimum operating voltage of the feeder.

Power Systems Protection Lab

S.No	Name of the Experimental Setup
1	Experimental setup for Characteristics of Over Current Relays
2	Experimental setup for Characteristics of Percentage biased Differential Relay.
3	Experimental setup forCharacteristics of Over Voltage Relay.
4	Experimental setup for Characteristics of Under Voltage (UV) and Negative sequence Relays
5	Experimental setup for Performance and Testing of Generator Protection System.
6	Experimental setup for Performance and Testing of Transformer Protection System.
7	Experimental setup for Performance and Testing of Feeder Protection System.
8	Experimental setup for Performance and Testing of Transmission Line Model.
9	Experimental setup for Differential protection on Single Phase Transformer.
10	Experimental setup for Design of protection scheme for Cylindrical Rotor Synchronous Machine.

Laboratory Facilities Exclusive to PG Course CAD/CAM

S.NO	Lab Name	Experimental Setup/Equipment Name
1	3D printing lab	3D Printer
2	Robotics Lab	Simulation using Python Software

Experimental Setup for ECE Dept PG labs

S.No	Degree	Department	Specialization	Name of the Lab	Name of the Equipment Usage	No. of Units available
1	M.Tech	Electronics & Communication Engineering	Embedded Systems	Embedded system Design Laboratory	Rasberry Pi Kits	12
2	M.Tech	Electronics & Communication Engineering	Embedded Systems	Embedded system Design Laboratory	Arduino	10
3	M.Tech	Electronics & Communication Engineering	Embedded Systems	Embedded system Design Laboratory	ARM Cortex M3	4
4	M.Tech	Electronics & Communication Engineering	Embedded Systems	Embedded system Design Laboratory	Beagle Bone Boards	4

16. List of Research Projects

List of On-Going Projects

S.No	Name of the Investigator	Agency/ Project Title	Department	Amount in Lakhs
1.	Y.Praveen Kumar/ Nishith Reddy	IIC- Monstograin	CSE	2.15
2.	Dr. Pallavi Badry	DST SERB	Civil Engg	1.25
3.	Dr.K.Vasanth/ R. Raju Nayak	MSME- Smart Wearable Handbag for Women Safety	ECE	10.72
4.	Dr. D. Aruna Kumari	DST- Design and Development of Internet of Things based Grain Storage and Grain Monitoring System for Social and Economic Empowerment of Scheduled Caste Communities	CSE	118.61
5.	Dr.Sarah	IQAC NEP	H&S	30,000
6.	Dr.Sarah	CSIR	H&S	40,000

7.	Dr.Sarah	DST Technology Development Program	H&S	40.23
8.	Dr. A. Obulesh	AICTE-FDP	AI	3.50
9.	IT-Student	MSME	IT	15.00
10.	Institute	Mentor-Mentee	Institute	2.25

Details of Consultancy Activities:

S.No	**Names of the teacher-consultants**	**Name of the consultancy project**	**Consulting/Sponsoring agency with contact details**	**Revenue generated (INR in lakhs)**
1	Dr. Pallavi Badry and G. Ratnakar Goud	III Party quality control	GHMC	5.09
2	Principal,VJIT and B.Srinivasulu	DGCA	Savir Consultancy	0.27
3	Principal,VJIT and B.Srinivasulu	DGCA	Savir Consultancy	0.37
4	Principal,VJIT and B.Srinivasulu	TSPSCCDPO	TCSION	0.27
5	Principal,VJIT and B.Srinivasulu	AFCAT	Orlando Academy	0.47
6	Principal,VJIT and B.Srinivasulu	CTET	Savir Consultancy	0.82
7	Principal,VJIT and B.Srinivasulu	AIIMS	Savir Consultancy	0.37
8	Principal,VJIT and B.Srinivasulu	TSEAMCET	TCSION	0.67
9	Principal,VJIT and B.Srinivasulu	TSICET	TCSION	0.67
10	Principal,VJIT and B.Srinivasulu	TSEAMCET	TCSION	0.98
11	Principal,VJIT and B.Srinivasulu	TSLCRT	JNTUH	0.27
12	Principal,VJIT and B.Srinivasulu	NEET	TCSION	1.31
13	Principal,VJIT and B.Srinivasulu	AFCAT	Orlando Academy	0.58

Publications (if any) out of research in last three years out of masters projects

S.No	Name of the Author(s)	Department	Title of the Paper	Name of the Journal	Month and Year of publication	ISSN	Link to the notification in UGC enlistment of the Journal
1	Robin Abraham, M. Vadivel	ECE	An Energy Efficient Wireless Sensor Network with Flamingo Search Algorithm Based Cluster Head Selection	Wireless Personal Communications	April 2023	1572-834X	https://link.springer.com/article/10.1007/s11277-023-10342-2#:~:text=Then%2C%20the%20Flamingo%20Search%20Algorithm,selection%20at%20complex%20network%20conditions.
2	K. Reddy Madhavi , Mohd Nasrun Mohd Nawi, B. Bhaskar Reddy, K. Baboji, Kakarla Hari Kishore, S.V. Manikanthan	ECE	Energy efficient target tracking in wireless sensor network using PF-SVM (particle filter-support vector machine) technique	Measurement: Sensors	April 2023	2665-9174	https://www.sciencedirect.com/science/article/pii/S266591742300003X
3	R. Bhavani, K. Vasanth	ECE	Brain image fusion-based tumour detection using grey level co-occurrence matrix Tamura feature extraction with backpropagation network classification	Mathematical Biosciences and Engineering	March 2023	1551-0018	https://www.aimspress.com/article/doi/10.3934/mbe.2023383
4	R. Sakthi Prabha, M. Vadivel	ECE	Brain Tumor Stages Prediction using FMS-DLNN Classifier and Automatic RPO-RG Segmentation	SSRG International Journal of Electrical and Electronics Engineering	February 2023	2348-8379	https://www.internationaljournalssrg.org/IJEEE/paper-details?Id=449
5	Vamshi Kollipara, V. Siva Nagaraju, M. Krishnaiah, M. Thirupathi, A. Ushasree, Naluguru Udaya Kumar , Samineni Peddakrishna	ECE	Circularly Polarized Antenna for C and X-Band Applications using Characteristic Mode Analysis	SSRG International Journal of Electrical and Electronics Engineeri	February 2023	2348-8379	https://www.internationaljournalssrg.org/IJEEE/2023/Volume10-Issue2/IJEEE-V10I2P118.pdf

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45	Revanth Madamala, Swetha Vaddi, Dr. A. Obulesh, Lalitha Sowmya M, Dr. M. Nagabhushana Rao	AI	A New Multisimilarity and Time-Integrated Collaborative Filtering Algorithm	International Journal For Innovative Engineering and Management Research	Apr-23	2456 – 5083	https://www.ijiemr.org/downloads/paper/Volume-12/a-new-multisimilarity-and-time-integrated-collaborative-filtering-algorithm
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52	M. Priyanka, N.Sudharsan	Civil	Mechanical Properties of Recycled Aggregate Based Self Compacting Concrete	International Journal of Advances in Engineering and Management	Aug 2022	2395-5252	10.35629/5252-040812371244
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91	Dr.J Jagadesh Kumar	Mech	Effect of Al_2Tio_5 Powder coating on the tribological, corrosion and mechanical properties of AISI 316L stainless steel	IOP Publishing	Jun-23	e-IISN: 1006-6511	https://iopscience.iop.org/article/10.1088/2053-1591/acda7d
92	Mr. K Rajesh Kumar	Mech	Analysis of Friction Stir Welding of AZ91D Magnesium Alloy with Boron Application using TOPSIS Taguchi Method	JCPR	Jun-23	ISSN: 02403439	https://doi.org/10.36410/jcpr.2023.24.3.439
93	Mr. M Mallesh	Mech	Sensitivity Analysis of 2PRRR-1RRR Planer Parallel Manipulator	IJSDR	Dec-22	ISSN: 2455-2631	http://www.ijsdr.org/papers/IJSDR2212126.pdf
94	Dr. K.V.R.Satya Kumar	MBA	Digital Finance as a Tool for Financial Inclusion – A Study with Special Reference Andhra Pradesh Region	Korea Review of International Studies	ISSN 1226 – 4741	Sep-22	https://kristudies.org/volume-15-issue-37-august-2022/

95	Dr. Madhavi Bolla	MBA	An Exploratory study on Student Mental Health and well-being at Higher Education Institute in Telangana District-India	Saudi Journal of Humanities and Social Sciences	ISSN 2415-6256	May-23	https://saudijournals.com/media/articles/SJHSS_86_152-161.pdf
96	Srujana A K	MBA	A Study on Level of Financial Literacy among Women in Rural area	International Journal of Research in Management Studies	ISSN 2455 – 7595	Jan-23	http://www.ijrms.com/olvolume7issue1/2.pdf
97	Dr. A. Srujana	EEE	A grid-connected PV module integrated electric vehicle charging station	Dizhen Dizhi Journal	Aug-23	(ISSN:0253-4967) ,Volume 15, Issue 08	doi.org/10.37896/Dizhen Dizhi 15.08/105120
98	Dr. A. Srujana	EEE	Smooth Transition Strategy for Different Modes of Operation in Microgrid	International Journal of Mechanical Engineering,	December, 2022,	Vol. 7 No. 12, Pages No: 33-45.	https://doi.org/10.56452/2022-12-004
99	Dr. A. Srujana	EEE	Artificial Intelligence Based Optimization of EV Motors Operation With Power Regulation Features	International Journal of Mechanical Engineering,	December, 2022,	Vol. 7 No. 12, Pages No: 33-45.	https://doi.org/10.56452/2022-12-006
100	Dr. A. Srujana	EEE	A Maximum Power Control Strategy For Grid Integrated Solar PV System During Abnormal Conditions.	High Technology Letters,	December, 2022,	Volume 28, Issue 12, Pages No: 134-150,	https://doi.org/10.37896/HTL28.12/7512

101	Dr.C. N. Ravi	EEE	Harmonics mitigation by advanced control module in an electrical grid with multiple electrical vehicle charging stations	Dizhen Dizhi Journal	Aug-23	(ISSN:0253-4967) Volume 15 Issue 08	doi.org/10.37896/Dizhen Dizhi 15.08/105121
102	Dr.C. N. Ravi	EEE	Control And Functionality Of A Dc Power Electronic Transformer Based On Series Connection Of Full-Bridge Converters	NeuroQuantology	Dec-22	Volume 20 | Issue 20 | Page 645-653|	www.neuroquantology.com doi: 10.48047/NQ.2022.20.20.NQ109065
103	C.N. Ravi, Nimmala Devika,	EEE	A Novel Controller For Grid Connected Dual Input Pv Converter With Less Conversion Stages	International Journal of Mechanical Engineering	December, 2022	ISSN: 0974-5823	https://doi.org/10.56452/2022-12-005
104	Dr.C.N. Ravi, Banapuram Anusha,	EEE	Implementation Of Sliding Mode Control Of Pwm Dual Inverter – Based Grid-Connected Pv System:Modelling And Performance Analysis	International Journal of Mechanical Engineering	December, 2023	ISSN: 0974-5824	https://doi.org/10.56452/2022-12-003
105	Dr. C. N. Ravi	EEE	Optimization of passive filter components through active filtering of current ripple reduction in an inverter	International Journal of Power Electronics and Drive Systems	2022&March	ISSN: 2088-8694, pp298-308	https://DOI: 10.11591/ijpeds.v13.i1
106	Asrar Ahmed Siddiqui, Dr. C. N. Ravi	EEE	The Effects of Increasing Solar PV System Penetration on Power	High Technology	Dec-22	ISSN NO: 1006-6748	https://doi.org/10.37896/HTL28.12/7507

			Grid Voltage Stability	Letters			
107	A.Srilatha k.Sathish kumar	EEE	Review on Electric Vehicles Smart Charging: Solutions, Strategies, Technologies and Challenges	International Research Journal of Education and Technology	Dec-22	ISSN 2581-7795	https://www.irjweb.com/Review%20on%20Electric%20Vehicles%20Smart%20Charging%20Solutions,%20Strategies,%20Technologies%20and%20Challenges.pdf
108	A.Srilatha k.Sathish kumar	EEE	Review of Technologies, Charging Methods, Standards, and Optimization Techniques for Electric Vehicles	IJARIIE	Nov-22	ISSN (O)-2395-4396 Vol-8 Issue-6 2022	http://ijariie.com/AdminUploadPdf/Review_of_Technologies__Charging_Methods__Standards__and_Optimization_Techniques_for_Electric_Vehicles_ijariie18455.pdf
109	Mrs. A.Srilatha Ms.G.Renuka	EEE	Implementation of Power Enhancement with Grid Stabilization of RES based generation system using UPQC-FLC-EVA Technique	International Journal of Mechanical Engineering	Dec-22	ISSN: 0974-5823	https://kalaharijournals.com/resources/08-Dec22.pdf
110	Vadithya Lavakusha, Mr. Hussain Shaik	EEE	Power Quality Improvement for Dc Power Distribution in System Low Voltage	Neuro Quantology	Dec-22	eISSN1303-5150	http://doi: 10.48047/NQ.2022.20.20.NQ109066
111	Dhronadhala Mounika , S.Chaitanya	EEE	Power Quality Enhancement In A Solar PV Plant Integrated Utility Grid By Using Recurrent Neural Network	International Journal of Mechanical Engineering	Dec-22	ISSN: 0974-5823	https://doi.org/10.56452/2022-12-007
112	Gudlanarva Vasavi, Mr. B. Rajesh	EEE	Design Of Hybrid Solar PV and Wind-Based Grid Interactive	High Technology Letters	Dec-22	ISSN NO: 1006-6748	https://doi.org/10.37896/HTL28.12/7510

			System for Regulated Power Flow				
113	T. Haveela MR.B. Rajesh	EEE	A comparative analysis with different MPPT modules integrated for efficient PMSM drive solar water pumping system	Dizhen Dizhi Journal	Aug-23	(ISSN:0253-4967) ,Volume 15, Issue 08	doi.org/10.37896/Dizhen Dizhi 15.08/105122
114	Mr. Gunti Govardhan Sagar, Mr. P. Nageswara Rao	EEE	Improvement Of Power Quality in Res Connected Power Grid By Using Smart Electric Spring Technology	High Technology Letters	Dec-22	ISSN NO: 1006-6748	https://doi.org/10.37896/HTL28.12/7508
115	P.UdayKiran, K. Swapna	EEE	A Hybrid Energy System Based EV Charging Station With Solar Bess And Diesel Generator Along With Advanced Controller For Grid Power Quality Regulation	International Journal of Mechanical Engineering	Dec-22	ISSN: 0974-5823	https://doi.org/10.56452/2022-12-009
116	Rathipelly Sai Vinay, Hussain Shaik	EEE	Distributed Load Frequency Control in Future Smart Power Systems	High Technology Letters	Dec-22	ISSN NO: 1006-6748	https://doi.org/10.37896/HTL28.12/7509
117	Mr.Tejavath Surendar, Mr.Parameshwar Tummeti	EEE	Improved Power Quality Based on Solar PV Energy Generation System Interfaced to Three Phase Grid	High Technology Letters	Dec-22	ISSN NO: 1006-6748	https://doi.org/10.37896/HTL28.12/7511

118	A Mohandas	EEE	A Generalized Non-Carrier Modulation Technique for an Asymmetric Source Configuration of SinglePhase CHB-MLI Topology Using PLECS Tool	IEEE 2nd International Conference on Sustainable Energy and Future Electric Transportation	Aug-22	DOI: 10.1109/SeFeT55524.2022.990907	DOI: 10.1109/SeFeT55524.2022.990907

MoUs with Industries

Name of Company	Year of signing
Smart Bridge Educational Services Pvt. Ltd	09/01/2024
Eduskills Foundation	15/12/2023
CSIR-Indian Institute of Chemical Technology	19/07/2023
Skyroot Aerospace	27/03/2023
Qlik	27.07.2022
EPAM Systems India Private Ltd	12.05.2022
Infosys Spring Board	2/28/2022
Indian Technology Congree Associan TSC Technologies	2/2/2022
Engineering staff college of India	23.03.2022
GoHexa Technologies Private Limited	25.11.2022
Osmania Technology Business Incubator	26.07.2022
Edunet Foundation	05.08.2021
Hyderabad Institute of Electrical Engineers (HIEE).	25-10-2021
CISCO Networking Academy	16-04-2021
EE Engineering construction services(EEE CS)	08.02.2021
THE SALEM SS Group of company's	17.07.2021
KG Mech Electro Mechanical Private Ltd	28.01.2020
Face Hiring	20.10.2020
Crampete	27.10.2020
Blue Prism	21.08.2020
CYPRESS Semiconductors-Eduvance	22-01-2020
Metronix	28-01-2020
Sapient Systems	28-01-2020

Talent Sprint	8/6/2020
KG Mech Electro Mechanical Private Ltd	03.02-2020
Reliable Environmental Services	08.01.2019
Unique Survey Solutions	16.03.2019
Smart Infrastructural Engineering Services Trust	01.09.2019
DTM Geo civil Consultancy (International) Melbourne	28.10.2019
Possibuild Building Technology	13.11.2019
CADD Centre Training Services Pvt. Ltd, Dilsukhnagar	22.11.2019
CIMTech Systems (P) Ltd	01.03.2019
Premier Engineering Industries	02.10.2019
Virtusa	04.07.2019
Microp chip	13.02.2019
Association of Lady Enterpreneur of India	28.03.2019

17. LoA and subsequent EoA till the current Academic Year

LoA and subsequent EoA till the current Academic Year are available at **https://vjit.ac.in/mandatory-disclosures/**

Accounted audited statement for the last three years
https://vjit.ac.in/about-us/committees/financial-audit-statements/

18. Best Practices adopted, if any

Best Practice 1

1. Title of the Practice: Strengthening of Industry- Institute Collaboration

2. Objectives of the Practice

- To enhance the relationship between the Institute and industry.
- To promote participation of industry personnel in the development of curricula & high-quality student projects.
- Memoranda of Understanding between the Institute and industries to bring the two sides strategically closer.
- Visits of industry executives and practicing engineers to the Institute discussions and to deliver lectures on industrial practices, trends and experiences.
- Visits of faculty members to industry for study and discussions or delivering lectures on subjects of mutual interest.
- To facilitate industrial training for students, internship programs and students' study tour programs
- To encourage entrepreneurial activities among the students
- To support consultancy/ training services using the institutional expertise

3. The Context

Interaction between institutions and industry is the need of the hour, for a healthy exposure among technical students and subsequent placement of young graduating engineers in industries across the country. The Industry-Institute Interaction Cell (IIIC) of the institute is dedicated to promote close interaction between industry and various departments of the institute. Industries are aware of the recent developments and inventions in their fields; develop/implement projects for technologically driven economy. The cell is the bridge between the industry, the real world and the institute. Industrial exposure of the faculty members is productive and supportive to guide students in the latest industrial practices.

IIIC of VJIT prepares engineering students for jobs in multinational companies by updating them with newer technologies and engineering methodologies, thereby bridging the gap between industry and the academia. Indian industry, at present, has reached a crucial turning point where it has to face the dynamic demands of the competitive domestic and global markets wherein providing high quality products and services is inevitable. A need-based, effective, dynamic, responsive and human education system would be capable of addressing the challenge. The interaction between institute and industry is necessary to train and develop the right kind of manpower to sustain industrial growth. VJIT has set up an Industry -Institute Interaction Cell under the leadership of an expert team which has rich experience and exposure in both academics and industry. The ultimate aim of imparting professional education and providing exposure to current industry practices is to enable the students to be industry-ready and to secure sustainable jobs in their respective platforms. The IIIC established in VJIT is determined to acquire aforementioned objectives.

4. The Practice

The institute endeavors in sustaining adherence with the industries and in establishing strong linkages with various industries across the departments such as:

1. Centre of Excellence in Data Analytics with Qlik India, USA
2. Centre of Excellence in Software Testing with Virtusa
3. Centre of Excellence with EPAM
4. MoU with Face Hiring
5. MoU with ExceIR Solution
6. MoU with Talentio
7. MoU with Rubicon Skill Development Private Limited
8. Collaboration with ITE- Oracle
9. Collaboration with Infosys Spring Board
10. MoU with The SS Group of Company (SSGC)
11. MoU with The Copperbelt University Zambia
12. MoU with EE Engineering construction services(EEECS)
13. MoU with Dr. Fixit Institute of Structural Protection & amp; Rehabilitation
14. MoU with KG MECH Electro-Mechanical Pvt. Ltd
15. MoU with Hyderabad Institute of Electrical Engineering
16. MoU with Premier Engineering Industries.
17. MoU with Adeptus Servo Mechatronics Pvt Ltd.
18. MoU with Engineering Staff College of India(ESCI)
19. MoU with CISCO Networking Academy
20. MoU with Metronix.
21. MoU with Sapient Systems
22. MoU with Skyroot Aerospace Private Limited
23. MoU with ITCA-TSC, Bengaluru
24. MoU with IBC Media
25. MoU with Blue Prism
26. MoU with Talent Sprint Private Limited
27. MoU with GoHexa Technologies Private Limited

28. MoU with V.R.K.Industries
29. MoU with One Compiler
30. MoU with Crampete Private Limited
31. MoU with Gong Labs Private Limited(Coffeee.io)
32. MoU with DTM Geo civil Consultancy(International),Melbourne
33. MoU with CADD Centre Training Services Private Limited
34. MoU with Edunet Foundation
35. MoU with Thibstats Media Private Limited
36. MoU with Hyderabad Instruments Transformers Private Limited
37. MoU with Association of Lady Entrepreneur of India
38. MoU with Osmaina Technology Business Incubator
39. MoU with CSIR-Indian Institute of Chemical Technology
40. MoU with University of applied sciences kaiserslauten Primasens,Germany
41. MoU with Wallaga University

5. Evidence of Success

S.No.	Name of the CoE/MoU	Purpose/Outcome of MoU	No.of Certifications/Outcome
1	Qlik	• Online Learning & Certification • One Faculty member got Award from Qlik	50
2	Virtusa	• Job, Internship, Guest Lecture, • Certification in ISTQB and OJCP	91 students got selected 11 Certifications
3	EPAM	• Graduate training and hiring program • Technology specific training programmes & certifications	12 students placed and 60 students are trained
4	Face Hiring	• Linked in access to students	500
5	ExceIR Solution	• Student Training, Internships and Projects an advanced • Sessions on advanced technologies	100+ students participated in the sessions
6	Talentio	• 3rd and 4th year students registered • Training, Assessment, Mentoring. • Online Assessment support	2000+ students benefited
7	Rubicon Skill Development Private Limited	• Soft Skills training	1188
8	ITE-Oracle	• Online certifications.	400
9	Infosys Spring Board	• LMS Platform	10
10	SS Group of Company (SSGC)	• Internships, Guest Lectures, Projects, Training Sessions and Tutorials.	tudents placed in the company.

11	The Copperbelt University Zambia	• Online Internship, International Conference • Student Training, Internships and Projects	Students Participated Online Internship Programme (22.08.2022 to 17.09.2022) ntly Organized International Conference on Advancements in Construction Materials on 28.04.2023 & 29.04.2023
12	EE Engineering construction services (EEECS)	• Technical talk, Internship and placement	Students availed Internship and completed two batches Major Projects. student placed in the company.
13	Dr. Fixit Institute of Structural Protection & Rehabilitation	• Workshop, Certification Courses	e day Seminar on Distresses Vis – A- Vis Durability of Concrete (07.01.2023) ertificate Course on water proofing Protection of Concrete Structures on (20.03.2023 & 21.03.2023)
14	KGMECH Electro-Mechanical Pvt. Ltd	• Internships and Placements.	6 Students availed Internship
15	Hyderabad Institute of Electrical Engineering	• Internships and Placements.	5 Students availed Internship
16	Premier Engineering Industries.	• Internships, Trainings, Industry Visits and Academic Projects	
17	Adeptus Servo Mechatronics Pvt Ltd.	• Trainings, Guest Lectures and Academic Projects	
18	Engineering Staff College of India(ESCI)	• R&D Certifications, Industrial Visits ,Guest Lectures, Projects and Internships	2 FDP's Conducted
19	CISCO Networking Academy	• Student Training, Internships and Projects	Networking Training and Placement
20	Metronix.	• Job Oriented Training, Industry Visits, Certification Programs , Placements, Teal Time Industry Oriented Projects	
21	Sapient Systems	• Job Oriented Training, Industry Visits, Certification Programs, Placements, Teal Time Industry Oriented Projects	
22	Skyroot Aersopace Private Limited	• Training and Multidisciplinary Research related to Nano Satellites	Research and Sub systems design
23	ITCA-TSC, Bengaluru	• Satellites Education/ Training/ Multidisciplinary Research & Developmental Projects • Design, Development, lunch, and tracking of a Nano satellite	1)Project is under Process and is going to lunch in the month of June 2023 2)50 students and 8 faculty members are part of this project

Best Practice 2

PRAYUKTHI- Employability, Entrepreneurship & Higher Education

PRAYUKTHI is an innovative endeavor at VJIT focused on empowering students from reserved categories (SC/ST), fostering their ability to excel among their peers.

This initiative intends to instill confidence in these students by addressing their present needs and enhancing their future prospects."

"At VJIT, PRAYUKTHI is recognized as a distinguished and commendable practice, designated as Best Practice 2. It focuses on driving and fostering significant progress in the academic journey and personal development of students from reserved categories."

1. Objectives of the Practice

- To motivate SC/ST students for higher education, acquire government jobs and other professional jobs.
- To train the SC/ST students for exercising expertise in the arena of soft skills, communication skills, interpersonal skills and preparing them to face interviews and get better placements.
- To utilize the intellectual resources by minimizing the wastage of time in scouting for opportunities and motivate immersive self-learning experiences.
- To provide study material, prepared by experts, for all competitive examinations.
- To allow access to all the desired resources required for students and interact with faculty members beyond the class work.
- To transform the passive learners to active learners and reproduce knowledge.
- To give financial assistance to needy students with the help of the College management. To conduct seminars and guest lectures by experienced faculty and HRs from industry.
- To involve the students from first year to final year in order to understand the importance of career building, industrial jobs and entrepreneurship.
- To make them confident in taking assessments and certifications related to skills required.

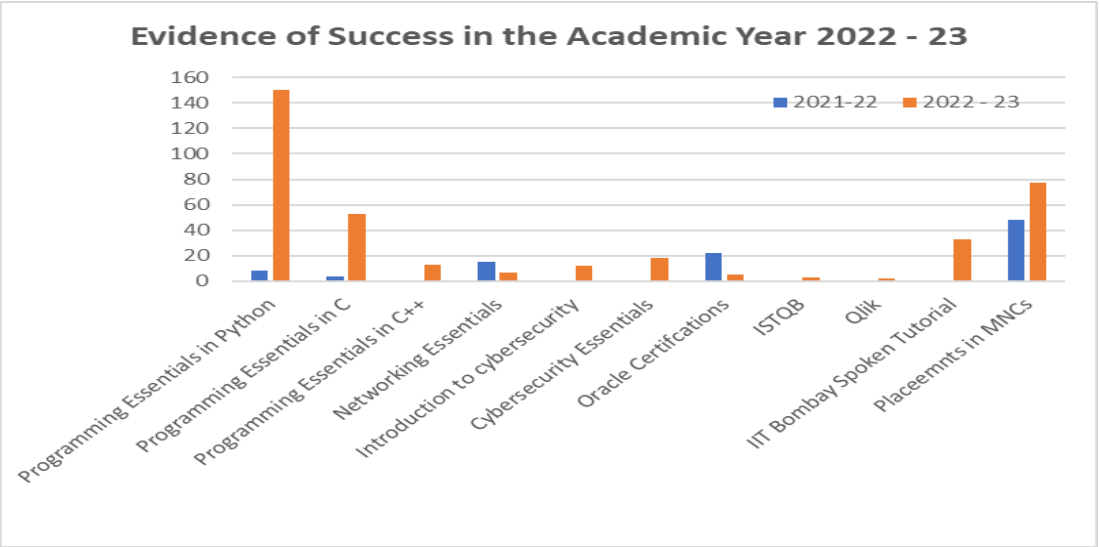
2. The Context

Most of the students come from diverse socio-economic backgrounds. Many of the students may not be aware of the basic concepts of the subjects as their importance was not taught at intermediate level. Also they are not aware of the skills required for employability (Eg. Communication Skills). Hence in VJIT, we have initiated this scheme to motivate and improve skills.

3. The Practice

- Conducted training classes GATE/ GRE /TOFEL
- NPTEL Certifications
- CISCO Certifications
- CRT- Campus Recruitment Training programs: The Institute provides industry oriented training by Talentio, placement assessment by Instack and soft skills training by Rubicon.
- IIT Bombay Spoken Tutorials
- Oracle Certifications
- To improve coding skills through HackerRank platform

4. Evidence of Success



Course offered	**Certification course name**	**No. of students Certified**
CISCO	Introduction to Cybersecurity	**12**
CISCO	Programming Essentials in python	**150**
CISCO	Cybersecurity Essentials	**18**
CISCO	Programming Essentials in C	**53**
CISCO	Programming Essentials in C++	**13**
CISCO	Networking Essentials	**7**
Oracle	Database using MySQL	**5**
IIT Bombay spoken tutorials	Java Python 3.4.3	**5** **28**
HackerRank	Python, Java, C#	**12**
Students placed in various multinational companies		**79**

Cisco Career Certifications

Cisco certifications are a series of professional certifications offered by Cisco Systems, a leading provider of networking and telecommunications equipment. These certifications validate an individual's knowledge and skills in Cisco technologies and can help them advance in their careers in the IT industry. Cisco also offers training courses and resources to help individuals prepare for these exams. Once certified, individuals can use their certification to demonstrate their expertise to potential employers and clients.

Certification Course Name	No. of students completed
Introduction to Cybersecurity	12
Cybersecurity Essentials	18
Programming Essentials in Python	150
Programming Essentials in C	53
Programming Essentials in C++	13
Networking Essentials	7

Oracle Certification

Oracle certification is a program offered by Oracle Corporation that validates an individual's knowledge and skills in Oracle technologies and products. The program includes a wide range of certifications, covering different levels and specializations.

Certification Course Name	No. of students completed
Database Programming with MySQL	3
Java Fundamentals	2

ISTQB Certification

ISTQB (International Software Testing Qualifications Board) certification is a globally recognized certification for software testing professionals. It is a standard qualification for software testers and is recognized by many organizations globally. It can help software testers demonstrate their knowledge and expertise in software testing which may lead to better job opportunities and higher salaries.

Certification Course Name	No. of students completed
International Software Testing Qualification Board	3

Qlik Sense Business Analyst Certification

It demonstrates proficiency in data gathering, interpretation, and presentation in a visually compelling manner. This certification is used by industries such as finance, healthcare, retail,

and technology to leverage data-driven insights for business strategy enhancement.

Number of Students Completed: 2

IIT Bombay Spoken Tutorials

IIT Bombay's Spoken Tutorial initiative is a comprehensive online learning platform that offers free tutorials in various programming languages and software applications. With a focus on skill development, these tutorials cater to a wide audience, from beginners to advanced learners, providing practical insights and hands-on experience. The tutorials cover a diverse range of topics, contributing to the growth of a knowledgeable and skilled community.

Certification Course Name	No. of students completed
Python 3.4.3	28
Java	5

HackerRank

HackerRank is a popular online platform offering coding challenges and assessments to enhance programming skills. Providing a diverse array of coding challenges in multiple languages, it serves as a valuable resource for technical skill development and coding interviews. HackerRank's adaptive and gamified approach makes learning engaging, catering to both beginners and experienced developers.

Number of Students Completed : 12

Campus Recruitment training (CRT)

Most of the student's aim is to get a software job in MNCs. Hence campus recruitment training programmes are conducted to improve their skills in clearing aptitude tests, group discussion (GD) and interviews. VJIT has organized "Employability Skills" under "Life Skills" programme by Rubicon.

Seminars / Webinars

VJIT has arranged following seminars :

- Seminar on Higher studies and opportunities Abroad
- Session on "Abroad Admission Process"
- Session on "Roadmap for cracking 12+ LPA in 3 months"
- Session on "Building an email client using python"
- Session on "HR round: Interview Questions and Answers"
- Session on "Technical Interview: How to succeed "
- Webinar on "Data Science Internship: All you Need to Know"
- Webinar on "Weather App using python"