



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. A. Srujana

Principal

C.B. Post, Aziznagar – 500 075, Hyderabad, Telangana, India

Telephone: 08413 – 235300, 235399

Principal Office: +91-8985211094

Email: principalvjit@vjit.ac.in

4. Name of the affiliating University

Jawaharlal Nehru Technological University, Hyderabad

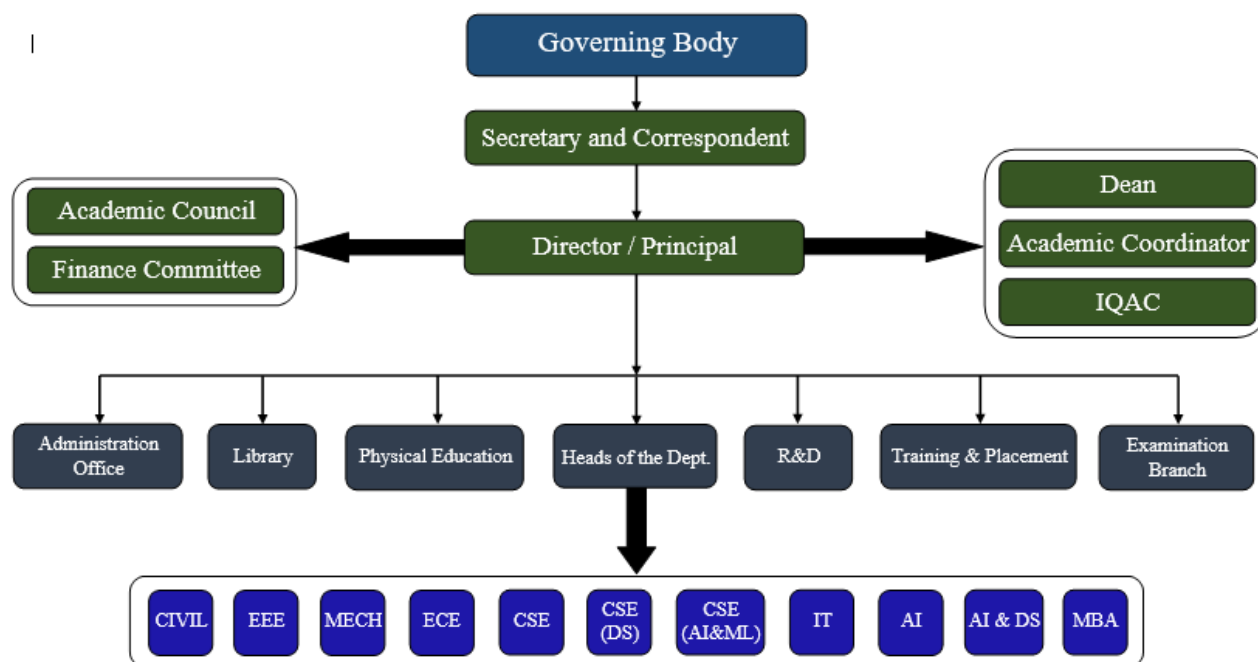
5. Governance

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)	
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.edu.in/wp-content/uploads/2025/12/nba-compliance-extention-letter-2025-5-dept.pdf>

2. UG B.Tech CE:

<https://vjit.edu.in/wp-content/uploads/2025/04/nba.pdf>

3. NAAC Certificate:

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

4. Autonomous Letter: <https://vjit.ac.in/wp-content/uploads/2022/05/UGC-letter-JNTU-Extension-of-Autonomous-Status-to-VJIT.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	2023	2024	2025	
	15516	18213	38291	
Fee	Rs.1,15,000			
Placement Facilities	Yes			
		2022-23	2023-24	2024-25
Campus placement in last three years with minimum salary, maximum salary and average salary	Number of Placements	175	111	130
	Minimum Salary	2,31,000	2,15,000	245000
	Maximum Salary	15,00,000	10,00,000	1200000
	Average Salary	4,15,234	3,68,663	381635

Course	UG-B.Tech–Information Technology			
Number of seats	180			
Duration	4Years			
Cut off marks/rank of admission during the last three years	2023	2024	2025	
	24434	57773	28920	
Fee	Rs.1,15,000			
Placement Facilities	Yes			
		2022-23	2023-24	2024-25
Campus placement in last three years with minimum salary, maximum salary and average salary	Number of Placements	115	66	86
	Minimum Salary	2,31,000	2,15,000	231000
	Maximum Salary	11,50,000	10,00,000	1000000
	Average Salary	4,11,422	4,43,663	389652

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	2023	2024	2025	
	21793	22521	19601	
Fee	Rs.1,15,000			
Placement Facilities	Yes			
Campus placement in last three years with minimum salary, maximum salary and average salary		2022-23	2023-24	2024-25
	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	2023	2024	2025	
	38496	32127	13314	
Fee	Rs.1,15,000			
Placement Facilities	Yes			
Campus placement in last three years with minimum salary, maximum salary and average salary		2022-23	2023-24	2024-25
	Number of Placements	138	48	92
	Minimum Salary	2,21,000	1,83,000	200000
	Maximum Salary	11,50,000	6,00,000	8000000
	Average Salary	3,98,665	3,52,554	358642

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	2023	2024	2025	
	60063	43022	34966	
Fee	Rs.1,15,000			
Placement Facilities	Yes			
		2022-23	2023-24	2024-25

Campus placement in last three years with minimum salary, maximum salary and average salary	Number of Placements	54	49	25
	Minimum Salary	2,38,000	1,88,000	176000
	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	30			
Duration	4Years			
Cut off marks/rank of admission during the last three years	2023	2024	2025	
	64951	54458	67151	
Fee	Rs.1,15,000			
Placement Facilities	Yes			
Campus placement in last three years with minimum salary, maximum salary and average salary		2022-23	2023-24	2024-25
	Number of Placements	115	42	19
	Minimum Salary	1,96,0000	1,88,000	200000
	Maximum Salary	5,40,000	9,00,000	600000
	Average Salary	3,11,674	3,03,674	301850

Course	UG-B.Tech–Civil Engineering			
Number of seats	30			
Duration	4Years			
Cut off marks/rank of admission during the last three years	2023	2024	2025	
	101046	70872	73218	
Fee	Rs.1,15,000			
Placement Facilities	Yes			
Campus placement in last three years with minimum salary, maximum salary and average salary		2022-23	2023-24	2024-25
	Number of Placements	59	9	19
	Minimum Salary	1,96,0000	1,88,000	185000
	Maximum Salary	6,00,000	4,10,000	386000
	Average Salary	2,98,543	3,02,876	310582

Course	UG-B.Tech–CSE (Data Science)
Number of seats	120

Duration	4Years			
Cut off marks/rank of admission during the last three years	2023	2024	2025	
	20674	30179	21009	
Fee	Rs.1,15,000			
Placement Facilities	Yes			
20- Campus placement in last three years with minimum salary, maximum salary and average salary		2022-23	2023-24	2024-25
	Number of Placements	Not Applicable	-	35
	Minimum Salary	Not Applicable	-	250000
	Maximum Salary	Not Applicable	-	720000
	Average Salary	Not Applicable	-	393715

Course	UG-B.Tech–Artificial Intelligence			
Number of seats	120			
Duration	4Years			
Cut off marks/rank of admission during the last three years	2023	2024	2025	
	24664	--	--	
Fee	Rs.1,15,000			
Placement Facilities	Yes			
Campus placement in last three years with minimum salary, maximum salary and average salary		2022-23	2023-24	2024-25
	Number of Placements	Not Applicable	-	62
	Minimum Salary	Not Applicable	-	300000
	Maximum Salary	Not Applicable	-	909360
	Average Salary	Not Applicable	-	465215

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	2023	2024	2025	
	21926	--	--	
Fee	Rs.1,15,000			
Placement Facilities	Yes			
Campus placement in last three years with minimum salary,		2022-23	2023-24	2024-25
	Number of Placements	Not Applicable	Not Applicable	Not Applicable
	Minimum Salary	Not Applicable	Not Applicable	Not Applicable

maximum salary and average salary	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	2023	2024	2025	
	-	-	-	
Fee	Rs.51,700			
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	30	9	24
	Minimum Salary	2,18,000	2,76,000	215000
	Maximum Salary	6,00,000	4,50,000	401000
	Average Salary	2,81,532	3,14,234	318532

Course	PG-M.Tech–Computer Science & Engineering			
Number of seats	18			
Duration	2Years			
Cut off marks/rank of admission during the last three years	2023	2024	2025	
	-	-	-	
Fee	Rs.57,000			
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	2	1	1
	Minimum Salary	6,00,000	7,00,000	450000
	Maximum Salary	12,00,000	7,00,000	450000
	Average Salary	8,00,000	7,00,000	450000

Course	PG-M.Tech–Embedded Systems		
☒ Number of seats	24		
Duration	2Years		

Cut off marks/rank of admission during the last three years	2023	2024	2025	
	-	-	-	
Fee	Rs.57,000			
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	2	1	1
	Minimum Salary	6,00,000	6,00,000	382000
	Maximum Salary	6,00,000	6,00,000	382000
	Average Salary	6,00,000	6,00,000	382000

Course	PG-M.Tech- Electrical Power Systems			
Number of seats	24			
Duration	2Years			
Cut off marks/rank of admission during the last three years	2023	2024	2025	
	-	-	-	
Fee	Rs.57,000			
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	2	1	1
	Minimum Salary	4,30,000	6,00,000	298000
	Maximum Salary	4,30,000	6,00,000	298000
	Average Salary	4,30,000	6,00,000	298000

Course	PG-M.Tech-Structural Engineering			
Number of seats	24			
Duration	2Years			
Cut off marks/rank of admission during the last three years	2023	2024	2025	
	670	-	-	
Fee	Rs.57,000			
Placement Facilities	Yes			
Campus placement in last three years with minimum salary,		2021-22	2022-23	2023-24
	Number of Placements	2	1	1
	Minimum Salary	4,20,000	5,50,000	350000

maximum salary and average salary	Maximum Salary	4,20,000	5,50,000	350000
	Average Salary	4,20,000	5,50,000	350000

Course	PG-M.Tech- CAD/CAM			
Number of seats	24			
Duration	2 Years			
Cut off marks/rank of admission during the last three years	2023	2024	2025	
	-	-	-	
Fee	Rs.57,000			
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	2	1	1
	Minimum Salary	4,30,000	6,00,000	350000
	Maximum Salary	4,30,000	6,00,000	350000
	Average Salary	4,30,000	6,00,000	350000

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 CSE (DS): <https://vjit.edu.in/cse-ds/>

Department of IT: <https://vjit.ac.in/it/>

Department of AI: <https://vjit.edu.in/ai/>

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
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						Taken
1	Dr. Ravi Shankar Badry Sr. Computational scientist Structural and Geotechnical division	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)

Department of IT

S. No	Faculty Name	Company Name	Subject	Year	Semester	No. of Hours Taken
1	Balaji Utlal, CEO	Kria Health Care Pvt.Ltd, Hyderabad	Web Technologies	III	I & II	29
2	Hari Krishna Sagar, Director	Mythree Academy, Hyderabad	Aptitude	II	I & II	28

Department of CSE

S. No	Faculty Name	Company Name	Subject	Year	Semester	No. of Hours Taken
1	Mr.Neela Lakshmi	Infosys	WT(PHP)	III	II	26
2	Mr.Md.Inthiyaz	Tech Mahendra	Data Warehousing & Data Mining	IV	I	26

Department of Mechanical Engineering

S. No	Faculty Name	Company Name	Subject	Year	Semester	No. of Hours Taken
1	Dr.B.V.Reddi, Retd. Scientist,	NPL	Metallurgy and Material Science	III	I	24

Department of ECE

S. No	Faculty Name	Company Name	Subject	Year	Semester	No. of Hours Taken
1	Hari Krishna Sagar, Director,	Mythree Academy, Hyderabad	QMLR	III	I	28
2	B. Dileep,	Eduvance, Mumbai, Maharashtra	Embedded Systems	III	II	26

Department of EEE


S. No	Faculty Name	Company Name	Subject	Year	Semester	No. of Hours Taken
1	Mr. Rajesh Kumar Peddi	GE Grid Software Solutions	Switch Gear Protection	III	II	27
2	B. Dileep,	Eduvance, Mumbai, Maharashtra	Embedded Systems	IV	I	26

iii. Permanent Faculty Student Ratio

Permanent Faculty Student Ratio is 1:15

8. Profile of Principal

Profile of the Principal:

Name	Dr. A. Srujana			
Date of Birth	23-07-1977			
Unique ID	62150406-164412			
Education Qualifications	Ph.D			
Work Experience	Teaching	Research	Industry	others
	26	16	-	-
Area of Specialization	HVDC Control			
Courses taught at Diploma/ Post Diploma/ Under Graduate/ Post Graduate/ Post Graduate Diploma Level	PS-I, PSOC, SGP, PS-II, NT, PE, HVDC Transmission, UEE, CMPS			
Research guidance	No. of papers published in National/ International Journals/ Conferences	Master	Ph.D	
	55	48	2Completed /4Pursuing	
Projects Carried out	NIL			
Patents (Filed & Granted)	6			
Technology Transfer	-			
Research Publications	55			
No. of Books published with Details	1			

9. Fee

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

For the academic year 2024-25: 149 students

For the academic year 2023-24: 159 students

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

S.No.	Academic Year	Amount
1.	2024-25	Rs. 7,45,000
2.	2023-24	Rs. 9,54,000

10. Admission

i. Number of seats sanctioned with the year of approval

SNo	Course	Year of Approval	2023-2024	2024-25	2025-26
1.	UG - B.Tech. - Computer Science and Engineering	1999	240	480*	480
2.	UG - B.Tech. - Artificial Intelligence	2019	120	-	-
3.	UG - B.Tech. - Artificial Intelligence & Data Science	2022	60	-	-
4.	UG - B.Tech. - Computer Science and Engineering (Data Science)	2020	120	120	120
5.	UG - B.Tech. - Computer Science and Engineering (Artificial Intelligence and Machine Learning)	2022	180	180	180
6.	UG - B.Tech. - Information Technology	2000	180	180	180
7.	UG - B.Tech. - Electronics and Communication Engineering	1999	240	240	240
8.	UG - B.Tech. - Electrical and Electronics Engineering	1999	60	60	60
9.	UG - B.Tech. - Mechanical Engineering	1999	60	30	30
10.	UG - B.Tech. - Civil Engineering	2013	60	30	30
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	24	24
15.	PG - M.Tech. - Structural Engineering	2014	24	24	24
16.	PG – MBA – Master of Business Administration	2006	120	120	120

ii. Number of Students admitted under various categories each year in the last 3 years

S.No	Course	Total Number of Students Admitted under Various categories		
		2023-2024	2024-25	2025-26
1.	UG - B.Tech. - Computer Science and Engineering	255	265	257
2.	UG - B.Tech. - Artificial Intelligence	128	-	-
3.	UG - B.Tech. - Artificial Intelligence & Data Science	64	-	-
4.	UG - B.Tech. - Computer Science and Engineering (Data Science)	128	136	127
5.	UG - B.Tech. - Computer Science and Engineering (Artificial Intelligence and Machine Learning)	190	206	193
6.	UG - B.Tech. - Information Technology	191	192	192
7.	UG - B.Tech. - Electronics and Communication Engineering	253	256	254
8.	UG - B.Tech. - Electrical and Electronics Engineering	51	64	42
9.	UG - B.Tech. - Mechanical Engineering	17	32	31
10.	UG - B.Tech. - Civil Engineering	24	32	31
11.	PG - M.Tech. - Computer Science and Engineering	10	19	18
12.	PG - M.Tech. - Embedded Systems	1	15	18
13.	PG - M.Tech. - Electrical Power System	01	8	18

14.	PG - M.Tech. – CAD/CAM	01	3	10
15.	PG - M.Tech. - Structural Engineering	11	23	22
16.	PG – MBA – Master of Business Administration	107	127	126

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

Year	Number of Applications Received	Number Admitted
2025-2026	462	281
2024-2025	537	256

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 Higher Education 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 Higher Education 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 Higher Education Convener, TSPGECET – 2024 Behind Diamond Jubilee Library, Near University College of Engineering, Osmania University, Hyderabad-500 007, Telangana	https://pgecet.tsche.ac.in/
		TSICET	Telangana State Council of Higher Education	https://icet.tsche.ac.in/TSICET/

4.	MBA		Convener, TSICET – 2024 & Dean, Faculty of Commerce and Business Management, KAKATIYA UNIVERSITY, Warangal – 506 009 (T.S.) India	TSICET HomePage.aspx
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ii. Number of seats allotted to different Test Qualified candidate separately (AIEEE/ CET (State conducted test/ University tests/ CMAT/ GPAT)/ Association conducted test etc.)

Last date of request for applications: 23-04-2025

Last date of submission of applications: 02-05-2025

Dates for announcing final results: 03-08-2025

Release of admission list (main list and waiting list shall be announced on the same day): 05-08-2025

Date for acceptance by the candidate (time given shall in no case be less than 15days): 20-08-2025

Last date for closing of admission & Starting of the Academic session: 24-08-2025

The waiting list shall be activated only on the expiry of date of main list

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 percentageand 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 71 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 104	Classroom	66
4	A 201	Classroom	45.43
5	A 202	Classroom	45.55
6	C304	Classroom	90.86
7	C305	Classroom	89.68
8	D101	Classroom	66.41
9	D102	Classroom	66.41
10	D110	Classroom	66.41
11	D201	Classroom	66.41
12	D202	Classroom	66.41
13	D205	Classroom	66.41
14	D206	Classroom	66.41
15	D211	Classroom	66.41
16	E 504	Classroom	77.05
17	E001	Classroom	77.05
18	E002	Classroom	77.05
19	E003	Classroom	77.05
20	E004	Classroom	77.05
21	E011	Classroom	77.05
22	E109	Classroom	77.05
23	E111	Classroom	77.05
24	E112	Classroom	77.05
25	E113	Classroom	77.05
26	E201	Classroom	77.05
27	E202	Classroom	77.05
28	E302	Classroom	77.05
29	E303	Classroom	77.05
30	E304	Classroom	77.05
31	E402	Classroom	77.05
32	E403	Classroom	77.05
33	E404	Classroom	77.05
34	E412	Classroom	77.05
35	E413	Classroom	77.05
36	E414	Classroom	77.05
37	E415	Classroom	77.05
38	E501	Classroom	77.05
39	E502	Classroom	77.05
40	E503	Classroom	77.05
41	E513	Classroom	77.05
42	E514	Classroom	77.05
43	N005	Classroom	97.86
44	N007	Classroom	69.84
45	N106	Classroom	69.44
46	N107	Classroom	69.71
47	N204	Classroom	70.61

48	N205	Classroom	68.67
49	N206	Classroom	69.44
50	N207	Classroom	69.36
51	N305	Classroom	69.37
52	N307	Classroom	68.87
53	S005	Classroom	69.58
54	S006	Classroom	69.58
55	S007	Classroom	70.27
56	S103	Classroom	106.92
57	S104	Classroom	105.84
58	S105	Classroom	62.27
59	S106	Classroom	69.58
60	S107	Classroom	69.58
61	S203	Classroom	105.15
62	S204	Classroom	106.1
63	S205	Classroom	69.44
64	S206	Classroom	68.87
65	S207	Classroom	69.26
66	S302	Classroom	112.04
67	S303	Classroom	106.41
68	S304	Classroom	106.1
69	S305	Classroom	69.91
70	S306	Classroom	69.91
71	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)
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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 shown in the below table.

S No.	Room No.	Details	Capacity	Carpet area (in sqm)
1	C301&302	Computer Centre	60	180.07

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	Details	Capacity	Carpet area (in sqm)
------	------	---------	----------	----------------------

	No.			
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 in major 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

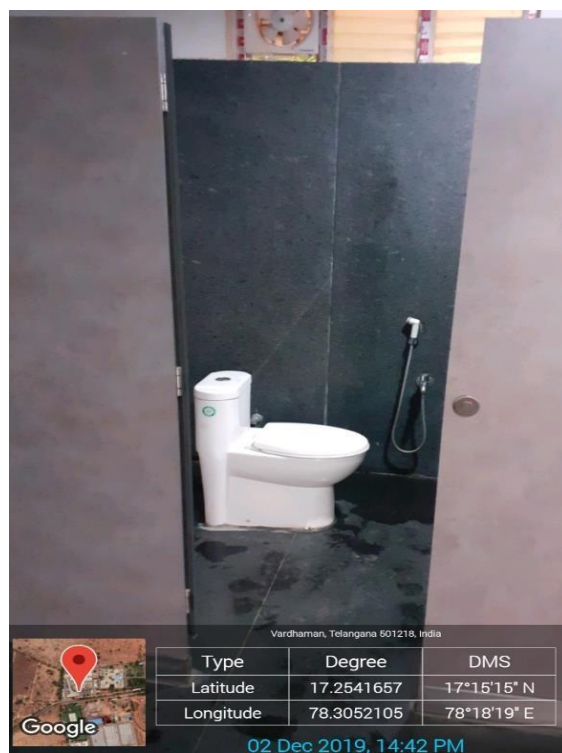


Block-E Ramp and Hand Rails

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 them to 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, DELNET, NDL or other similar membership - Yes

Archives- 1665

- Number of Titles: 7551 Number of Volumes: 58987

Year	Number of New Titles added	Number of New edition added	Number of New Volumes added
2025-2026	54	35	445
2024-2025	164	104	1889

2023-2024	73	60	674
2022-2023	155	77	1298

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
2024-2025	7,28,997	93,123	6,75,968	36,505	15,34,593
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

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 i5 process 16gb ram 500 ssd	60 06	66
PPS Lab 2/ E 312	HP Intel® Core™ i5-10500 CPU @ 3.10GHz	60	

	Dell i5 process 16gb ram 500 ssd	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/Antinnas LAB/E-108	Dell i5 process 16gb ram 500 ssd	63	63
ECE/ESD LAB/E-203	DELL Vostro 3670 Desktop Intel core i3-8100 @ 3.60GHz Dell i5 process 16gb ram 500 ssd	30 06	36
ECE/ MPMC LAB/E-009	Dell Vostro.3902-Intel® i3-4160T CPU @ 3.60GHz Hp Intel Pentium Dual core@2.20ghz	37 05	42
CIVIL LAB /D-207	Acer – Intel Veriton Desktop i3 4170@3.7Ghz Acer – Intel Pentium IG645@2.90GHz	58 02	60
CSE Lab 1/ C 203	HP Pro Tower 280 G9 12 th Core™ i5-12500 @ 3.00 GHz	36	36
CSE Lab 2/ C 204	HP Pro Tower 280 G9 12 th 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 6 th 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 6 th 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 6 th 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 12 th Gen Intell CoreI i5-12400 2.50 GHz	36	36
CSE DS LAB/ C-306	ACER 12 th Gen Intell CoreI 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 Intell CoreI i5-10500 CPU @ 3.10GHz	12 24	36
IT LAB 6/ S 202	HP Intell CoreI i5-10500 CPU @ 3.10GHz	36	36
AI LAB1/C 308A	ACER Intell CoreI i5-12400 2.50 GHz	36	36
AI LAB2/C 308B	ACER Intell CoreI i5-12400 2.50 GHz	36	36
AI LAB3/B 301A	Acer 12 th Gen Intell CoreI i5-12400 2.50 GHz	36	36

AI LAB4/B 301B	Acer 12 th Gen Intell CoreI i5-12400 2.50 GHz	34	34
AI LAB 5 /B 201A	Acer 12 th Gen Intell CoreI i5-12400 2.50 GHz	36	36
AI LAB 6 /B 201B	Acer 12 th Gen Intell CoreI i5-12400 2.50 GHz	36	36
CAD CAM/A-211	DELL 3080 IntellCoreIi5-10505cpu@3.20GHz 3.1 Vostro.3902-Intel® Core™ i3-4160T CPU @ 3.60GHz	24 12	36
AECS LAN –A 210	Dell Vostro 3653-Intel Core i3 6 th gen 6100	36	36
EEE/EST LAB/N104	Dell i5 process 16gb ram 500 ssd	33	33
		Total	1324

xii. National Digital Library (NDL) subscription details

Certificate



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

Seminars/Webinars conducted under NDLI Club

SNo	Event Title	Date	Event Mode
01	Electrical Engineering a Quiz	19.02.2024	online
02	A Quiz programme on Data Science	26.02.2024	online
03	National Startup Talk session	11.03.2024	online
04	Safer Internet - Talk Session	15.03.2024	online

05	A Quiz on Artificial Intelligence	22.03.2024	online
06	Mechanical Engineering A quiz	26.03.2024	online
07	World Environment Day – Multi Club Activity	31.05.2024	online
08	World Youth skills day - Multi Club Activity	15.07.2024	online
09	Albert Einstein A quiz Programme	03.03.2025	online
10	Indira Gandhi G K Talk Session	05.03.2025	online
11	Sarojini Naidu A Quiz Programme	12.03.2025	online
12	Subash Chandra Bose	07.03.2025	online
13	Swami Vivekananda Quiz	20.03.2025	online
14	Sachin Ramesh Tendulkar	25.03.2025	Online
15	Academic Excellence through Research Leveraging IEEE Xplore	09.09.2025	Offline Session
16	World Rivers Day - Multi club Activity	19.09.2025	online

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 1324 Computers. The distribution of computers along their configuration is shown at:

Total number of system connected by LAN

All 1324 computers of the institute are connected by LAN.

Total number of systems connected by WAN

A total of 1324 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 3671 Desktop Intel core i3-8100@ 3.60GHz Dell OptiPlex 3050-Intel® Core™ i3-	58 14	72

		6100T CPU @ 3.20GHz		
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 12 th 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 - 2	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 12 th 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	
5	Lab 8	Acer veriton 12th Gen Intel(R) Core(TM) i5-M 200H610	72	72

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 12 th Gen Intel (R) Core (TM) i5-12400 (12 CPUs)@2.5GHz	72	72

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
2	AI ML LAB2	Acer 12 th Gen Intell CoreI i5-12400 2.50 GHz	72	72

Department of Electrical and Electronics Engineering

S No	Lab Name	Configuration	No of Systems	Total Systems
1	EEE LAB	Dell i5 process 16gb ram 500 ssd	33	33

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

Department of Civil Engineering

S No	Lab Name	Configuration	No of Systems	Total Systems
1	CIVIL LAB	Acer – Intel Veriton Desktop i3 4170@3.7Ghz Acer – Intel Pentium IG645@2.90GHz	58 02	60

Surveying & Geometrics

S.No	Equipment's
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

S No	Lab Name	Configuration	No of Systems	Total Systems
1	ELS LAB	Dell OptiPlex 3050-Intel® Core™ i3-6100T CPU @ 3.20GHz	32	32
2	ECS LAB	Dell OptiPlex 3050-Intel® Core™ i3-6100T CPU @ 3.20GHz Dell Vostro 3653 Intel® Core™ i3-6100T CPU @ 3.20GHz	29 05	34
3	BS LAB	Dell vostro 3670 Desktop 8th Gen.Intel core i3-8100@3.6Ghz	36	36
4	Antinnas LAB	Dell i5 process 16gb ram 500 ssd	63	63
5	ESD LAB	DELL Vostro 3670 Desktop Intel core i3-8100 @ 3.60GHz Dell i5 process 16gb ram 500 ssd	30 06	36
6	MPMC LAB	Dell Vostro.3902-Intel® i3-4160T CPU @ 3.60GHz Hp Intel Pentium Dual core@2.20ghz	37 05	42

Name of the Laboratory	Lab / Major Equipment's
Analog & Digital Communications Lab	Digital Storage Oscilloscopes, Function Generators, Amplitude Modulation & Demodulation 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	Regulated Power Supplys, Cathod Ray Oscilloscopes, Function Generators.

Analog Circuits Lab	
VLSI Lab	Xilinx VIVADO System Edition Software, ARTIX 7 FPGA Development Boards , Computers with i5 processor & 16gb RAM
Embedded Systems 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 Controller 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	Conducto meter
3	PH Meter

xiv. List of Experimental Setup in each Laboratory/Workshop

Department of Information Technology



Department of CSE(Data Science)

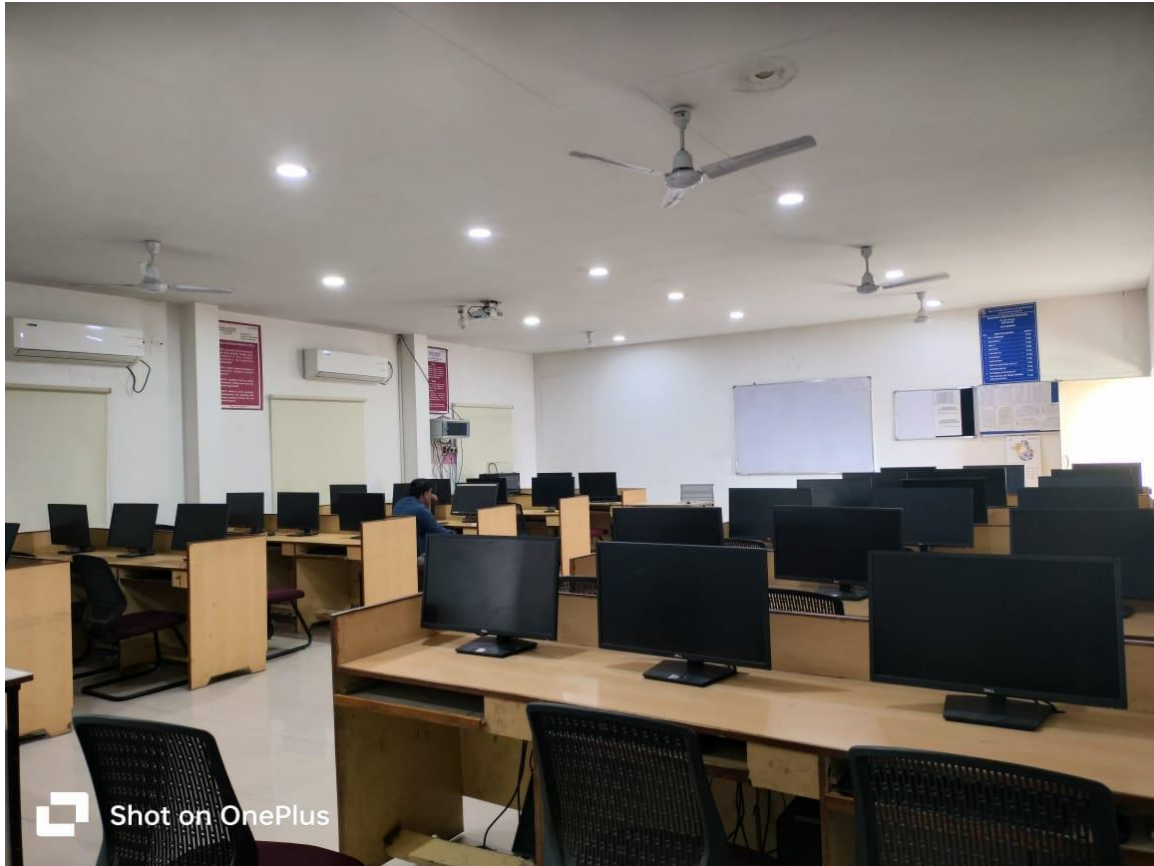


Department of Computer Science and Engineering





Department of Artificial Intelligence





Department of Mechanical Engineering

S.NO	Lab Name	Experimental Setup/Equipment Name
1	Production Technology 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
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 boiler 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 gauges box
79		Computer Aided Design And Manufacturing Lab
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 apparatus
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

Department of CSE (AI&ML)





Department of Electrical and Electronics Engineering

Experimental Set up for EEE UG labs

Power Systems Lab Major Equipment

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

Basic Electrical Engineering Lab

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

Power Electronics Laboratory

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

12	Experimental setup for Speed Measurement and closed loop control using PMDC motor.
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Electronic Devices and 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's test.
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 armature and shunt 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 to determine the performance characteristics of 1- ϕ transformer by conducting Sumpner's test.
2	Experimental Setup to separate the core losses of a single-phase transformer.
3	Experimental Setup to get 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 at each Transformer.
4	Experimental Setup to predetermine the performance characteristics of a 3- ϕ Induction Motor from circle diagram.
5	Experimental Setup to determine the regulation of an alternator by using Synchronous Impedance method & MMF methods.
6	Experimental Setup to determine the 'v' and inverted 'v' curves of a 3-phase synchronous motor.
7	Experimental Setup to draw the equivalent circuit of a 1-phase Induction Motor.
8	Experimental Setup to determine the value of X_d , X_q and to calculate the regulation of a salient-pole alternator.
9	Experimental Setup to predetermine the percentage regulation of the given three phase alternator by ZPF Method, by conducting Open Circuit, Short circuit and ZPF test.
10	Experimental Setup to determine the Positive, Negative and Zero sequence of impedances or sequence 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 the given 3- ϕ transformer

Electrical Measurements & Sensors Lab

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

Control systems Laboratory

Name of the Experimental Setup

1.	Experimental Setup for Time response of Second order system.
2.	Experimental Setup for Characteristics of Synchronos.
3.	Experimental Setup for Programmable logic controller
4.	Experimental Setup for Effect of feedback on DC servomotor.
5.	Experimental Setup for Transfer function of DC motor.
6.	Experimental Setup for Characteristics of magnetic amplifiers
7.	Experimental Setup for Characteristics of AC servomotor.

Microprocessors And Microcontrollers Lab	
Name Of The Experimental Setup	
1.	Experimental Setup for Stepper motor interfacing to 8086.
2.	Experimental Setup for seven- segment display interfacing to 8086
3.	Experimental Setup for Elevator simulator interfacing to 8086
4.	Computers with Open Source Software

Digital Electronics Lab	
Name Of The Experimental Setup	
1.	Digital Trainer Kits

PCB Design

S.No	Name of the Experimental Setup
1	Computers with Open Source Software

Design of Electrical Systems Using AUTOCAD

S.No	Name of the Experimental Setup
1	Computers with Open Source Software

Computational Mathematics Lab

S.No	Name of the Experimental Setup
1	Computers with Open Source Software

SIMULATION OF POWER CONVERTERS LAB

S.No	Name of the Experimental Setup
1	Computers with Open Source Software

ADVANCED ENGLISH COMMUNICATION SKILLS LAB

S.No	Name of the Experimental Setup
1	Computers with Open Source Software

SIMULATION OF RENEWABLE ENERGY SYSTEMS LAB

S.No	Name of the Experimental Setup
1	Computers with Open Source Software

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 venturimeter 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 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	36
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)	10
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)	3
10	B.Tech	Electronics & Communication Engineering	Analog & Digital Communications Lab	Pulse Code Modulation and Demodulation Kit (Including Power Supply)	2
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)	3
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)	3
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	6
2	B.Tech	Electronics & Communication Engineering	Micro Processors & Micro Controllers Lab	Computers	42
3	B.Tech	Electronics & Communication Engineering	Micro Processors & Micro Controllers Lab	MASM Software	42
4	B.Tech	Electronics & Communication Engineering	Micro Processors & Micro Controllers Lab	Keil μ Vision Software	42
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	63
2	B.Tech	Electronics & Communication Engineering	Antenna Laboratory	4NEC2 Open Source Software	63

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	36
2	B.Tech	Electronics & Communication Engineering	VLSI Laboratory	Xilinx VIVADO System Edition	50
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	36
3	B.Tech	Electronics & Communication Engineering	Embedded system Design Laboratory	mbed Open Source Software	36
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 available
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 (0-500 μ A)	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 in VJIT 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 to PGCM/ PGDM Institutions and University Departments

Not Applicable

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

Academic Bank of Credits: <https://vjit.edu.in/visitabc/>

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 the University

<https://vjit.ac.in/autonomy/>

Academic Calendar of the College

Academic Calendar of the College is available at: <https://vjit.edu.in/academics/academic-calendar/>

Assessment processes of Course Outcomes for regulation – R22:

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.

Theory Subjects

S.No.	Assessment tool	Its impact on course delivery / content	Marks Distribution	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 30 Marks. Mid –II is from the remaining 2.5 units. An Average of two mid examinations considered for final mid examination marks.	Mid Term Examination for 30marks: a. Part- A: Objective/quiz paper for 10marks. b. Part–B: Descriptive paper for 20marks.	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.	Assignment-1=5Marks. Assignment-2=5Marks. (Average of Two Assignment's)	CO1 CO2 CO3 CO4 CO5
3	Subject Viva Voce / Poster Presentation / Participatory Learning / Group Activities / Case Study	The weightage is 5 marks	Presentation=5Marks	CO1 CO2 CO3 CO4 CO5
4	The Semester End Examinations (SEE),	conducted for 60 marks	conducted for 60 marks consisting of two-parts viz. i) Part-A for 10marks, ii) Part-B for 50 marks.	CO1 CO2 CO3 CO4 CO5

Laboratory Subjects

S.No.	Assessment tool	Its impact on course delivery / content	Marks Distribution	Relevance towards attainment of Course outcomes
1	Continuous Internal Evaluation (CIE)	Continuous Internal Evaluation (CIE) -40 marks	1. A write – upon day – to – day experiment in the laboratory (in terms of aim, components / procedure, expected outcome) which shall be evaluated for 10 marks 2. 10 marks for viva-voce (or) tutorial (or) case study (or) application (or) poster presentation of the course concerned. 3. Internal practical examination conducted by the laboratory teacher concerned shall be evaluated for 10 marks. 4. The remaining 10 marks are for laboratory project which consists of the Design (or) Software / Hardware model Presentation (or) App Development or Proto type Presentation submission which shall be evaluated after completion of laboratory course before the semester end Practical examinations.	CO1 CO2 CO3 CO4 CO5
2	Semester End Examination	Semester End Examination-60 marks	1. 10 marks for write-up 2. 15 for experiment / program 3. 15 for evaluation of results 4. 10 marks for presentation on another experiment / program in the same laboratory course and 5. 10 marks for viva-voce on concerned laboratory course	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
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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.

CAMPX



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.

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
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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.

Feedback on curriculum from stakeholders

<https://vjit.edu.in/about-us/stakeholders/>

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

Gymnasium equipment

Name of the Equipment	Number
Thread Mill	3No.
Cross Trainer	2No.
Cycling	2No.
Multi station Gym	1 No.

Flat Benches	2 No.
Bench Press	1 No.
Dumbbells	4 kg to 25 kgs
Weighing Plates	3 kgs to 25 kgs
Straight Rods	4No.
Zig Zag Rods	2No.
Pull up bars	1 No.
Boxing Punching bags	2 No.
Vibrator	1No.

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. 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/

xxi. Software's available

SOFTWARE LIST:

SYSTEM SOFTWARE:

- 1) WINDOWS 7, 8 AND 10
- 2) Windows server 2012
- 3) LINUX

4) UBUNTU

APPLICATION SOFTWARE:

- 1) SQL Server
- 2) Office 365
- 3) Agro Uml
- 4) IOT (Raspbian)
- 5) SCI Lab
- 6) Cloudera (Big Data-Hadoop)
- 7) Dev C++
- 8) Weka Tool
- 9) MySQL
- 10) JDK
- 11) XAMPP Tool
- 12) Tomcat Server
- 13) Pentaho Data Integration
- 12) PHP
- 15) PUTTY
- 16) K-VAN English Software
- 17) Walden ICS English Software
- 18) Packet Tracer
- 19) Wire Shark
- 20) Python
- 21) R Studio
- 22) Node V20
- 23) VC Code
- 24) Mat lab
- 25) Xilinx
- 26) Android Studio
- 27) KEIL
- 28) Eclips
- 29) Masm
- 30) Mbed Software
- 31) 4Nec2 Tool (Antina)
- 32) Ansys
- 33) Edgcam

- 34) Solid Works
- 35) AutoCAD
- 36) Staad Pro
- 37) Geo-5
- 38) HEC-RAS
- 39) QGIS

S.No	Software	Department Utilizing	Free / Paid	License
1	WINDOWS	All Dept.	License	License
2	Windows server	All Dept.	License	License
3	LINUX	All Dept.	Free	Free
4	UBUNTU	All Dept.	Free	Free
5	Agro Uml	CSE /IT Dept.	Free	Free
6	Cloudera (Big Data-Hadoop)	CSE/IT Dept.	Free	Free
7	C++	CSE /IT Dept.	Free	Free
8	Raspbian	CSE /IT Dept.	Free	Free
9	Weka Tool	CSE /IT Dept.	Free	Free
10	MySQL	CSE /IT Dept.	Free	Free
11	JDK		Free	Free
12	XAMPP Tool	CSE /IT Dept.	Free	Free
13	Tomcat Server	CSE /IT Dept.	Free	Free
14	Pentaho Data Integration	CSE /IT Dept.	Free	Free
15	PHP 5.5	CSE /IT Dept.	Free	Free
16	PUTTY.	CSE /IT Dept.	Free	Free
17	Walden English Software	H & S		
18	K-VAN English Software	H & S		
19	SCI Lab	CSE Dept		
20	Cadence Orcad (Pspice)	ECE Dept.		
21	Mentor Graphics	ECE Dept.		
22	Mat lab	ECE Dept.		
23	Xilinx	ECE Dept.		
24	Masm	ECE Dept.		
25	Embedded Compiler	ECE Dept.		
26	Keil	ECE Dept.		
27	LT Spice	MECH Dept.		
28	Ansys	MECH Dept.		
29	Algor Nastran	MECH Dept.		
30	Edgcam	MECH Dept.		
31	Creo 2.0	MECH Dept.		
32	Solid Works	MECH Dept.		
33	AutoCAD	Civil/Mech		
34	StaadPro	Civil		

xxii.Laboratory facilities exclusive to the Post Graduate Course

Experimental Setup for EEE PG labs Advanced Power Systems Lab

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 for Characteristics 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.

Power Systems Computation Lab-I

S.No	Name of the Experimental Setup
1	Computers with Open Source Software

Power Systems Computation Lab-II

S.No	Name of the Experimental Setup
1	Computers with Open Source Software

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	Raspberry 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

Details of Grants Received 2024-25

S.No	Name of the Department	Faculty Name	Type of the Project	Sanctioning Agency	Amount In Lakhs
Research and Development Projects					
1	H&S	Dr. P. Sarah	“High temperature green piezoceramics for Knock Sensors in the automobile industry	DST/TTI/TDP Dt: 17-04-2025	36.54
2	H&S	Dr.R.Rohini	TCMRC-P-113006 Tzu-Chi University, Department of Laboratory Medicine and Biotechnology, Hualien city, Taiwan.	Tzu-Chi University, Taiwan	8
Innovation Grants					
1	AI	Dinesh paila (Student)	SHARE RIDE	MSME Dt: 02-07-2025	10
FDP Training/Seminar/Conference Grants					
1	H&S	Dr.P.Sarah	National Seminar on “Concept and Practices of Physical	TGCHE	0.5

			Sciences from the Rich Tapestry of Indian Knowledge System” on 14-06-2024 & 15-06-2024	Dt: 19-06-2024	
2	CSE(AI&ML)	Dr.N.Anusha	FDP on Artificial Intelligence for Geospatial Data analysis	AICTE-FDP	3.50
3	AI	Dr.A.Anusha	The Revolution of Large Language Models (LLMs)	AICTE-FDP	1

Details of Grants Received 2023-24

S.No	Name of the Department	Faculty Name	Type of the Project	Sanctioning Agency	Amount In Lakhs
Research and Development Projects					
1	H&S	Dr.P.Sarah	Preparation, characterization and mechanical fatigue studies on Rare earth substituted SBTi Piezoelectric-polymer composites with potential applications as nano-generators in wearable electronic devices.	ICFAI Foundation for Higher Education (IFHE) Dt: 10-04-2024	2
2	H&S	V.Murali	Short-term Empirical Research Project (Collaborative/Individual) entitled “Introducing Mother Tongue as a Medium of Instruction in Technical Education and Its Impact on Students: A Study of Selected Areas	ICSSR	15
Innovation Grants					
1	IT	Ms.K.Shailaja	MSME Smart Roads	MSME	15
2	IT	Shailaja Kola	Smart footwear for Detection of land mine	Tiwan, IIT Hyderabad	3
FDP Training/Seminar/Conference Grants					
1	AI	Dr.A.Obulesu	Atal FDP “Recent AI Applications in Medical & Agriculture”.	AICTE-FDP Dt: 06-11-2023	3.5
2	ECE	M.Lalitha Sowmya	IEEE Entrepreneur sessions	RAS Chapter Start-up	0.4
3	H&S	Dr.Sarah	International Conference on Nanomaterials and Technologies	CSIR	0.3
4	Institute	Dr.M.Vadivel	AICTE-Mentor-Mentee	AICTE	2.25

Details of Consultancy:

S.No	Name of the Department	Total Project cost in Rs.	Amount received from consultancy project in Rs.	Name of the Principal investigator	Name of the Consultancy Project	Name of the Company

1	CSE	Rs.95,000/-	Rs.20,000/-	B Sailaja	The Online Automatic Attendance report generator system	Aradhana School of Business Management
		Rs.1,05,000	Rs.25,000/-	Dr K Ramesh Babu	An IOT Enabled Weather Monitoring System	Brainovision
2	ECE	2,10,000/-	94,500/-	Dr.M.Rajendra Prasad	Designing of Securities for IOT Networks	Edutech Innovations
3	IT	Rs. 2,10,000/-	Rs. 1,20,000/-	Dr. Ch. Ramesh	Threat Blocker: Advanced Malicious Website Detection and Prevention	Supraja Technologies
		Rs. 93,000/-	Rs. 93,000/-	Dr. Md. Nazeer	Stress Detection Based on Facial Expressions for Mental Health Analysis using Quantum Computing” was sanctioned	GK Techno Solutions
4	EEE	12,80,000/-	2,10,000/-	Mr. B. Rajesh	Design and Development of Power Electronics Convertor with controller for 5kW-7.5kW BLDC Motor	Sun Seas Tech
5	MECH ENGG.	50,000	50,000/-	Dr.L.Madan Ananda Kumar	Design And Analysis of Solar Rooftop Plant	Sunrise Technologies
		2,00,000	In progress	Dr.L.Madan Ananda Kumar	Design, Shadow Analysis, ANSYS report of Solar Rooftop Plant	Sunrise Technologies
6	Civil Engg.	5.09	-	Dr. Pallavi Badry and G. Ratnakar Goud	III Party quality control	GHMC

Through online Examinations:

S.No	Names of the teacher-consultants	Name of the consultancy project	Consulting/Sponsoring agency with contact details	Revenue generated (INR in lakhs)
1	Principal,VJIT and B.Srinivasulu	DGCA	Savir Consultancy	0.27
2	Principal,VJIT and B.Srinivasulu	DGCA	Savir Consultancy	0.37
3	Principal,VJIT and B.Srinivasulu	TSPSCCDPO	TCSION	0.27
4	Principal,VJIT and B.Srinivasulu	AFCAT	Orlando Academy	0.47

5	Principal,VJIT and B.Srinivasulu	CTET	Savir Consultancy	0.82
6	Principal,VJIT and B.Srinivasulu	AIIMS	Savir Consultancy	0.37
7	Principal,VJIT and B.Srinivasulu	TSEAMCET	TCSION	0.67
8	Principal,VJIT and B.Srinivasulu	TSICET	TCSION	0.67
9	Principal,VJIT and B.Srinivasulu	TSEAMCET	TCSION	0.98
10	Principal,VJIT and B.Srinivasulu	TSLCRT	JNTUH	0.27
11	Principal,VJIT and B.Srinivasulu	NEET	TCSION	1.31
12	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)	Dept	Title of the Paper	Name of the Journal	Month and Year	ISSN	Link to the notification in UGC enlistment of the Journal
1	B Prudhvi Nadh, Banothu YVNR Swamy, Yarlagadda Ramakrishna, D Anveshini, Srinivasa Rao Kandula, Lokesh Raju V, Priyanka Das and B T P Madhav	ECE	Design of compact true wireless stereo (TWS) antenna in earphones for wearable communication applications	Engineering Research Express	Jan 2025	2631-8695	https://iopscience.iop.org/article/10.1088/2631-8695/ada873
2	I. Mary Sajin Sanju, M. Vadivel and N. Mathan	ECE	Performance Evaluation of an Efficient Dual Stage Compressor Using 32 nm CNTFET Technology for High Speed and Low Power Digital Applications	Journal of Nanoelectronics and Optoelectronics	Dec 2024	1555-130X	https://www.ingentaconnect.com/content/asp/jno/2024/00000019/0000012/art00006;jsessionid=20cr5tlg1kr1p.x-ic-live-01#
3	Srinivasa Rao Ghali, B. Prudhvi Nadh, Prathipati Rakesh Kumar, Moath Alathbah & B. T. P. Madhav	ECE	Design and Optimization Analysis of Srichakra Shaped Conformal Antenna for Off-Body Communication Applications	Wireless Personal Communications	Dec 2024	1572-834X	https://link.springer.com/article/10.1007/s11277-024-11708-w
4	T.Swapna Rani, Dr.B.Prudhvi Nadh, G.Ravi Kishore, S.Ritesh	ECE	An analysis of developments in electronic design automation based on machine learning	High Technology Letters	Dec 2024	1006-6748	https://drive.google.com/file/d/1csRaNvUIndaf2bFsi4T09bFzGnsVeBsP/view
5	B Prudhvi Nadh, T. Swapnarani, S. Santhi Priya	ECE	Development of AMC Backed Low SAR and High	Journal of Technology	Dec 2024	1012-3407	https://drive.google.com/file/d/1sOI1eeKZgKpiJh8peU5_aG8Ndnap

			Gain Conformal Antenna on for Wearable Applications				VYWP/view
6	Ch.S.N Sireesha Devi, Subhanvali Shaik, A. Jaya Lakshmi	ECE	High performance Real time architecture of 5 stage FIR filter using wallace tree paper	Indian Journal of Natural Sciences	Dec 2024	0976 – 0997	https://tnsroindia.org.in/JOURNAL/issue87/IJONS%20-%20ISSUE%2087%20-%20DECEMBER%202024%20-%20FULL%20TEXT%20PART%2003.pdf
7	Amgoth Laxman, G Someswara Rao, Sateesh Amarneni	ECE	Smart Home monitoring and contrl system powered by IoT	Indian Journal of Natural Sciences	Dec 2024	0976 – 0997	https://tnsroindia.org.in/JOURNAL/issue87/IJONS%20-%20ISSUE%2087%20-%20DECEMBER%202024%20-%20FULL%20TEXT%20PART%2002.pdf
8	Dontabhaktuni Jayakumar; Modugu Krishnaiah; Sreedhar Kollem; Samineni Peddakrishna; Nadikatla Chandrasekhar; M Thirupathi	ECE	Emergency Vehicle Classification Using Combined Temporal and Spectral Audio Features with Machine Learning Algorithms	electronics	Sep 2024	2079-9292	https://www.mdpi.com/2079-9292/13/19/3873
9	N. Prabakaran ,R. Sekar & M. Vadivel	ECE	Optimized Adaptive Multi-Scale Dual An for Multi-Objective CHS and Energy-Aware Routing in 6G WC	IETE Journal of Research	Sep 2024	0974-780X	https://www.tandfonline.com/doi/full/10.1080/03772063.2024.2387288
10	Mrs. MD Reshma, Dr. S. Thulasi Prasad, Dr. M. Rajendra prasad, Mr. G. Nagendra	ECE	A Web Application to predict the Liver Functionality using Ensemble Learning Technique	Tuijin Jishu/Journal of Propulsion Technology	July-Aug 2024	1001-4055	https://www.propulsiontechjournal.com/index.php/journal/article/view/8245/5184
11	Nageswara Rao Regulagadda ,U V Ratna Kumari. G Sreenivasarao	ECE	A COMPACT FLEXIBLE ELLIPTICAL SLOT ANTENNA WITH SC-DGS FOR 5 GHz WLAN/WBAN APPLICATIONS	Journal of Technology	Aug 2024	1012-3407	https://drive.google.com/file/d/1VgRr29qpQaea21hUSTonIDbr0ZEx463z/view
12	S.Ritesh, G.Sreenivasa Rao, Sateesh Amarneni	ECE	Wireless Car Charging through Electricity Generated via Speed Breakers	Journal of Technology	Aug 2024	1012-3407	https://drive.google.com/file/d/14sVKouArCGledw5u2jw816bpjFljsZzT/view
13	Dornala Venkatravamma, G Someswara Rao, Mr. A Laxman	ECE	IOT BASED AUTONOMOUS VEHICLE AND TRACKING SYSTEM	Journal of Technology	Aug 2024	1012-3407	https://drive.google.com/file/d/1yt2N2FBoRBDavKboMhCpxkxz7Nxyh9S/view
14	G. Ravi Kishore, S. Santhi Priya, Sandeep Chilumula and Y Sudha	ECE	Android Bluetooth Device Control for Industrial Automation	Indian Journal of Natural Sciences	Aug 2024	0976 – 0997	https://tnsroindia.org.in/JOURNAL/issue85/ISSUE%2085%20-%20AUG%202024%20-0-

							%20FULL%20TEXT%20PART%2001.pdf
15	Amgoth Laxman, Sateesh Amarneni, N Siva Sankara Reddy	ECE	Enhanced Battery Monitoring System for Electric Vehicles Using IoT Technology	Journal of Technology	Aug 2024	1012-3407	https://drive.google.com/file/d/1amK4DV3WD0vODc4SRtmgU6G6c0GK6T2p/view
16	Robin Abraham, M. Vadivel	ECE	Ultra-scalable ensemble clustering with simulated annealing based coot bird routing protocol for WSN	International Journal of Communication Networks and Distributed System	Aug 2024	1754-3924	https://www.inderscienceonline.com/doi/pdf/10.1504/IJCNDS.2024.140677
17	M. Ribitha Elizabeth, M. Vadivel	ECE	Frequency Reconfigurable Four Port MIMO Antenna for Wi-Fi, WLAN and ISM Applications	Wireless Personal Communications	June 2024	1572-834X	https://link.springer.com/article/10.1007/s11277-024-11259-0
18	Rajendra Prasad Madepogu, Ravi Kishore.G and Prakash Jogi	ECE	Digital Comparator using Complementary Metal Oxide Semiconductor Technology	Indian Journal of Natural Sciences	June 2024	0976 – 0997	https://tnsroindia.org.in/JOURNAL/issue84/ISSUE%2084%20-%20JUNE%202024%20-%20FULL%20TEXT%20PART%20-%2003--NEW.pdf
19	DRS Narsingh Rao/ N Praveen	Mech	Experimental study on composite material made of GFRP added with silica using high compression moulding hand layup method	INTERNATIONAL JOURNAL OF APPLIED SCIENCE ENGINEERING AND MANAGEMENT	Oct-24	2454-9940	https://ijasem.org/ijaseadmin/upload/ijlbs_672b10ac79457.pdf
20	Dr.T Pavan Kumar	Mech	Characteristics of light emission and wear behavior of areinforced composite material made of basalt and jute foroptimum parameters	Journal of physics	Oct-24	1742-6596	https://iopscience.iop.org/article/10.1088/1742-6596/2837/1/012039
21	Dr.T Pavan Kumar	Mech	Machine Learning-Driven Fatigue Life Prediction in Notched Friction Welded UNS S31603 Stainless Steel	Journal of Mines, Metals and Fuels	Jun-25	0022-2755	https://informaticsjournals.co.in/index.php/jmmf/article/view/49112
22	Dr.T Pavan Kumar	Mech	Jute-Basalt Reinforced Material Fabrication Experimentation and Prediction of test Results by Machine Learning	Nanotechnology Perceptions	Nov-24	1660-6795	https://nanontp.com/index.php/nano/article/view/3235
23	V Ganesh	Mech	Impact of hydrogen Enrichment on dual fuel diesel engine	METSZET Journal	Aug,2024	2016-2710	https://doi.org/10.27896/METSZET9.8/06

			with butanal-diesel blend				
24	V Ganesh	Mech	Evaluating The Impact Of EGR On Butanol-Diesel Blends In A CRDI Engine:Performance And Emission Analysis	Nanotechnology Perceptions	Nov-24	1660-6795	https://doi.org/10.62441/nano-ntp.vi.2777
25	V Ganesh	Mech	Effect of Variable Speed on CRDi Diesel Engine with Ethanol, Methanol and Butanol – Blends	International Journal of Research and Analytical Reviews	Feb,2025	2348-1269	http://doi.org/10.1729/Journal.43867
26	C.Naveen Raj/ P.Sampath Kumar	Mech	Study of Mechanical Properties of Fiber Reinforced Polymer Composite Material	International Journal of Creative Research Thoughts	December,2024	2320-2882	https://www.ijcrt.org/Authorhome/ahome.php
27	K.Rajesh Kumar/ Vaddi venkata Satyanarayana	Mech	Application of Taguchi based entropy weighted TOPSIS method for AZ 91D	Journal of Ceramic Processing Research	June,2024	2672-152X	https://doi.org/10.36410/jcpr.2024.25.2.151
28	Dr.L. Madan AnandaKumar	Mech	Enhancing the morphological and mechanical performances of basalt/glass fiber/polymer composites modified with hybrid MWCNTs and SiO2 nanoparticles	Springer nature link	Jan 2025	3005-0731	https://doi.org/10.1007/s10751-025-02255-2
29	G. Sreeram Reddy/ B Ravinder Reddy/ Vaddi venkata Satyanarayana	Mech	Machine learning based prediction of impact toughness in AISI 430-AISI304 friction welded joints	International Journal of Automotive and Mechanical Engineering	Mar,2025	2229-8649	https://doi.org/10.15282/ijame.22.1.2025.13.0930
30	G. Sreeram Reddy/ B Ravinder Reddy	Mech	Influence of silane surface treated aramid fiber and nanosilica on mechanical, fatigue, fracture toughness, and dynamic mechanical behavior of epoxy composites	The Journal of Engineering Manufacture	Apr-25	2041-2975	doi:10.1177/09544054251326122
31	K. Santhi Priya, Aanchal Nayak, Beesireddy Chandana, Sriman Malyala, Madhuri Ballari	AI	SOLAR TRACKING SYSTEM USING ARDUINO	International Research Journal of Modernization in Engineering Technology and Science	Jul-24	2582-5208	https://www.irjmets.com/uploadedfiles/paper//issue_7_july_2024/59880/final/fin_irjmets1720072198.pdf
32	P. Manjula, B. Karthikeya, V. Sai Ram, R. Ratan Kumar, V. Srujan	AI	DYNAMIC TRAFFIC MONITORING USING CONVOLUTIONA	International Research Journal of Modernization in	Jul-24	2582-5208	https://www.irjmets.com/uploadedfiles/paper//issue_7_july_2024/59906/final/fin_irjmets1720116761.pdf

			L NEURAL NETWORK	Engineering Technology and Science			
33	Anusha Ampavathi, Dr. Dhawaleswar Rao CH, T.Nagalakshmi, Dr.S.Muruganandam, Dr. N. Magendiran, I.Naga Padmaja,Dr.K Selvam, Manasa Bandlamudi	AI	A Novel Approach of Cloud Computing Network for Authentication and Security Enhancement of IoT Enabled Cancer Forecasting System	J. Electrical Systems	Aug-24	1112-5209	https://journal.esrgroups.org/jes/article/view/3357/2655
34	Parul Gupta, Mohammad Nasreen, Shaik Gousiya Begum, P. Praveen	AI	An Innovative approach of Integrating Deep Learning Algorithm in Multimedia Services	Mukt Shabd Journal	Aug-24	2347-3150	https://drive.google.com/file/d/1LZGe31eQopxqHNsAOXjYfKDrGKZCzFwW/view
35	Anees Fatima, V. Archana Reddy, Shaik Gousiya Begum, D Anusha, Ch. Shwetha, Mohammed Muzeebuddin, Md Nazeer	AI	A Comprehensive Approach to Real-time Data Monitoring, Predictive Analytics, and Automation	International Journal For Innovative Engineering and Management Research	Aug-24	2456 – 5083	https://www.ijemr.org/public/uploads/paper/286061723984938.pdf
36	Rambabu Pemula, A. Obulesh, Krishna Kumar, A. Sireesha, K. Sree Vardhan, P. Rithwik Reddy	AI	IOT BASED AIR POLLUTION CONITORING SYSTEM	International Journal Of Novel Research And Development	Dec-24	2456-4184	https://ijnrd.org/papers/IJNRD2412202.pdf
37	S. Sowmya, K. Nirosha, P. Shivakumar, M. Sampathkumar, P. Ruchitha Reddy, J. Srinivas	AI	TIME AND INTENSITY BASED SOLAR TRACKER USING ARDUINO WITH SERVO MOTORS	International Research Journal Of Modernization In Engineering Technology And Science	Nov-24	2582-5208	https://www.irjmets.com/uploadedfiles/paper//issue_11_november_2024/63832/final/fin_irjmets1731580627.pdf
38	Ch. Swetha, S. Dattathreya, M. Shiva Sathwik, K. Ganesh, G. Sri Charan Reddy	AI	HEXAPOD ROBOT: IMPLEMENTING A NAVIGATION MODULE FOR HEXAPOD ROBOT USING REINFORCEMENT LEARNING	International Research Journal of Modernization in Engineering Technology and Science	Dec-24	2582-5208	https://www.irjmets.com/uploadedfiles/paper//issue_12_december_2024/64997/final/fin_irjmets1734266962.pdf
39	Ch. Swetha, J. Anil, M. Ismail, K. Venkatesh, S. Rasheed	AI	ENHANCING ACADEMIC ENGAGEMENT USING AI TECHNOLOGY	International Research Journal of Modernization in Engineering Technology and Science	Dec-24	2582-5208	https://www.irjmets.com/uploadedfiles/paper//issue_12_december_2024/64979/final/fin_irjmets1734328951.pdf
40	Ratnakar Babu Mikkili, Anusha Ampavathi	AI	SMART UMBRELLA WITH AUTOMATIC LIGHT AND THUNDER NEUTRALIZATION	International Journal Of Novel Research And Development	Nov-24	2456-4184	https://ijnrd.org/papers/IJNRD2411071.pdf

			USING IOT				
41	K. Nirosha, S. Sowmya, G. Jahnvi, M. Tanusha Reddy, Chandana.V, Y.Srija	AI	ENHANCED ROOMMATE MATCHMAKING USING CLUSTERING	International Journal of Research and Analytical Reviews	Dec-24	2348-1269	https://www.ijrar.org/papers/IJRAR24D2681.pdf
42	K. Nirosha, S. Sowmya, Ch. Archana, R. Phanikoustubha, B. Poojitha Jaya Teja, K. Surya Prakash	AI	IOT BASED ANTI-SLEEP GLASSES	International Research Journal of Modernization in Engineering Technology and Science	Nov-24	2582-5208	https://www.irjmets.com/uploadedfiles/paper//issue_11_november_2024/63774/final/fin_irjmets1731513916.pdf
43	Anusha Ampavathi, P. Varshitha Naidu, V. Sai Charan, A. Sri Ram, D. Monahar	AI	Smart Id Entry System Using Rfid Technology	International Journal of Creative Research Thoughts	Nov-24	2320-2882	https://www.ijcrt.org/papers/IJCRT2411605.pdf
44	K. Santhi Priya, T. Rishitha, T. Diya, L. Parimal, Rohini Biradar	AI	FACE RECOGNITION FOR ATTENDANCE SYSTEM USING OPENCV	International Research Journal of Modernization in Engineering Technology and Science	Dec-24	2582-5208	https://www.irjmets.com/uploadedfiles/paper//issue_12_december_2024/64980/final/fin_irjmets1734244857.pdf
45	K Santhi Priya, Madutha Sphoorthi, Yellaboina Mamatha, Kapparam Kanchana	AI	INFLUENCER MARKETING SENTIMENT ANALYSIS	International Journal of Research and Analytical Reviews	Dec-24	2348-1269	https://www.ijrar.org/papers/IJRAR24D2740.pdf
46	K.Santhi Priya, M. Devi Manogna, Kruthika Reddy, Sanjana Reddy, Ch. Keerthi	AI	Vocal Text Using OCR	International Journal of Research and Analytical Reviews	Dec-24	2348-1269	https://www.ijrar.org/papers/IJRAR24D2690.pdf
47	A. Obulesh, P. Harika, S. Ramya, B. Rambabu, B. Mallesh	AI	AUTONOMOUS VEHICLE WITH REAL-TIME OBSTACLE DETECTION USING LIDAR AND INTEGRATED PHOTONICS	International Research Journal of Modernization in Engineering Technology and Science	Dec-24	2582-5208	https://www.irjmets.com/uploadedfiles/paper//issue_12_december_2024/65115/final/fin_irjmets1734094161.pdf
48	A. Obulesu, Rambabu Pemula, A. Poojitha Reddy, Sarayu Thakur, B. Kaveri, A. Bharath	AI	SMART AGRICULTURE USING BLYNK IoT	Journal For Basic Sciences	Jan-25	1006-8341	https://drive.google.com/file/d/13avX4nCKF_xjNtrdwHrQekCFoIQ_hbbxA/view
49	M.Ratnakar Babu, S.Sai Bindu, K.Sankeerthana, KJ Mercy Pranusha, K.Jhansi Rani	AI	A Smart Approach for Class Representatives Elections Using Machine Learning Algorithms C-NN, K-NN	International Journal of Innovative Research in Technology	Dec-24	2349-6002	https://ijirt.org/Article?manuscript=170934
50	Uma Mythraye, Shaik Gousiya Begum	AI	3D Object detection and tracking using yolov5	INTERNATIONAL JOURNAL OF NOVEL REASERCH	Dec-24	2456-4184	https://www.ijnrd.org/tack.php?r_id=302258

				AND DEVELOPMENT			
51	Ahmad Jamal, P. Anil Kumar, Anusha Ampavathi, Kaushalkumar K Barot, Kishor Golla, Yogesh H. Bhosale	AI	Deep Learning for Early Diagnosis of Chronic Conditions Using Electronic Health Records	Journal of Neonatal Surgery	2025	2226-0439	https://jneonatalurg.com/index.php/jns/article/view/5800/4872
52	M. Ravi, N. Snehith, M. Shivaram, K. Siddesh, P. Shivani Priyanka	AI	CYBERSECURITY THREAT DETECTION USING MACHINE LEARNING	International Research Journal of Modernization in Engineering Technology and Science	Dec-24	2582-5208	https://www.irjmets.com/uploadedfiles/paper//issue_12_december_2024/64994/final/fin_irjmets1733758766.pdf
53	M. Ravi, Neelakhant. P, Karthik. T, Ganesh. T, Yogendra. P	AI	ENHANCING SECURITY AND IDENTIFICATION : A MULTIMODAL BIOMETRIC FRAMEWORK	International Research Journal of Modernization in Engineering Technology and Science	Dec-24	2582-5208	https://www.irjmets.com/uploadedfiles/paper//issue_12_december_2024/65122/final/fin_irjmets1734021370.pdf
54	Rambabu Pemula, Paiyala Hyndhav, K. Sai Loknath Naik, K. Bharath Chary, T. Gokul Nitish	AI	DEVELOPMENT OF A VOICE – CONTROLLED ROBOT WITH FACIAL RECOGNITION, INSPIRED BY WALL-E	International Research Journal of Modernization in Engineering Technology and Science	Apr-25	2582-5208	https://www.irjmets.com/upload_newfiles/irjmets70400285048/paper_file/irjmets70400285048.pdf
55	Rambabu Pemula, A. Bhanusri, B. Laxman, P. Anirudh, S. Sandeep	AI	SIGN LANGUAGE RECOGNITION SYSTEMS: PYTHON-BASED ACTION RECOGNITION & LSTM-BASED METHODS	International Research Journal of Modernization in Engineering Technology and Science	Apr-25	2582-5208	https://www.irjmets.com/upload_newfiles/irjmets70400270053/paper_file/irjmets70400270053.pdf
56	V. Arulkumar, K. Kishore Raju, Rambabu Pemula, M.S. Antony Vigil	IT	An optimized scheduling algorithm for prioritized tasks with shared resources in cloud edge computing	Expert Systems with Applications	Volume 293, 1 December 2025, 128594	0957-4174	https://www.sciencedirect.com/science/article/abs/pii/S0957417425022134
57	Dr.Marlene Grace	IT	FCM-NPOA : A Hybrid Fuzzy C-Means Clustering With Nomadic Pepole Optimizer For Ovarian Cancer Detection	Industrial Engineering Journal and Health Care	March 2025	0928-7329	https://www.lifescience.net/publications/1219688/fcm-npoa-a-hybrid-fuzzy-c-means-clustering-with-no/
58	Dr.Ramesh Cheripelli	IT	Reconceiving the Edge Intelligence Based IoT	Journal of Smart Internet of Things (JSIoT)	12/1/2024		10.2478/jsiot-2024-0013
59	Dr.Nandhitha.B	IT	Advanced AI-Machine Learning Methods For IOT Environment	Journal of Theoretical and Applied Information	February 2025	ISSN: 1992-8645	https://www.jatit.org/volumes/Vol103No4/11Vol103No4.pdf

			Attack Detection Using Mountain Gazele Optimizer with Optimal Deep Belife Network	Technology			
60	Mr.K.Chiranjivi	IT	Objectives of Real-Time Multi-CNN-Based Personalized Emotion Recognition System for an Enhanced Virtual Team Management	International Journal Of Scientific Research In Engineering and Management	Oct 2024	2582-3930	https://ijsrem.com/download/objectives-of-real-time-multi-cnn-based-personalized-emotion-recognition-system-for-an-enhanced-virtual-team-management/
61	Mrs.Shilpa Rajole	IT	Experimental Fusion Study of Modern Economic Data Analysis and Data Visualization Done in Real Time	Mukt Shabd Journal	9/1/2024	2347-3150	https://drive.google.com/file/d/1mhSrNPtXP_L-jJ7T3kOq0G-OZGiIkPcBS/view
62	Dr.Ramesh Cheripelli	IT	Automated Monitoring and Anomaly Detection in Blockchain Based Networks	International Journal of Innovation in multidisciplinary scientific Research	August 2024	2584-0673	https://doi.org/10.6123/9/IJMSR.2024.2221
63	Mrs.Anees Fathima	IT	A Comprehensive Approach to Real-time Data Monitoring,Predictive Analytics, and Automation	International Journal For Innovative Engineering and Management	August 2024	2456 – 5083	https://ijiemr.org/downloads/paper/Volume-13/a-comprehensive-approach-to-real-time-data-monitoring-predictive-analytics-and-automation
64	Dr.Ramesh Cheripelli,Mrs.D.Sravanthi,Mr.B.Eswar babu,Mr.K.M Rao	IT	Applications of Large Language Models In Cyber Security: Oppurtunities, Challenges and Risks	Industrial Engineering Journal	August 2024	0970-2555	http://www.journal-iiie-india.com/1_aug_24/9_1_aug.pdf
65	D Ramesh Babu, Gurunadham Goli, S.Shrihari, K.V. Narasimha Rao, N Sambasiva Rao	Civil	Suitability Analysis of Project Management Techniques to Multi-disciplinary Student Project Plans	Suitability Analysis of Project Management Techniques to Multi-disciplinary Student Project Plans	July 2024	2349-2473	10.16920/jeet/2024/v38i1/24172
66	T. Sarada Tirumala Deepika Mohammad Abdul Shukoor	Civil	Enhancing Marine Clay Stability Through the Incorporation of Recycled Plastic Fibers and Quarry Dust Additives	Enhancing Marine Clay Stability Through the Incorporation of Recycled Plastic Fibers and Quarry Dust Additives	Dec-24	2349-5162	https://www.jetir.org/view?paper=JETIR2412270
67	Sudharsan N, Subash S, Aruna G, S. Praburanganathan	Civil	Influence of Carbon Nanotubes as an additive on fresh, mechanical and	Influence of Carbon Nanotubes as an	Dec 2024	1517-7076	https://doi.org/10.1590/1517-7076-RMAT-2024-0700

			adsorption characteristics of hybrid fibre reinforced self-compacting concrete	additive on fresh, mechanical and adsorption characteristics of hybrid fibre reinforced self-compacting concrete			
68	Dr. D. Aruna Kumari, Baradi Kapil, Bilal Ahmed Baig, Mohammed Faizuddin, Mohammed Sameer	CSE	CROP MATE: A Mobile Application for Data Driven Crop Recommendation and Personalized Analysis	International Journal for Innovative Engineering and Management Research	Dec-24	2456 – 5083	DOI: 10.48047/IJIEMR/V13/ISSUE 12/60
69	P Shivani, Dr.B.Vijayakumar	CSE	PRELIMINARY DETECTION OF CARDIAC ARREST IN NEWBORN BABIES USING MACHINE LEARNING	International Journal of Engineering Science and Advanced Technology (IJESAT)	Aug-24	2250-3676	https://www.ijesat.com/ijesat/files/V24I0812_1723170864.pdf
70	Radhika k, Dr.Ravimathey	CSE	AQUA SPECTRA IMAGE BASED ON MACHINE LEARNING FOR PRECISION DISEASE DIAGNOSIS IN AQUACULTURE	International Journal of Engineering Science and Advanced Technology (IJESAT)	Aug-24	2250-3676	https://www.ijesat.com/ijesat/files/V24I0813_1723170951.pdf
71	Y. Prabhu Kumar1 D.Venkateshwarlu2 Rashmi Shivanandhuni3 Vemula Mounika4	CSE	Big data Analysis Systems Operating in Real-Time as a result of the Internet of Things (IoT)	Mukt Shabd Journal	Jul-24	2347-3150	DOI:10.0014.MSJ.2024.V13I7.0086781.261052
72	Kethireddy Mallikharjuna Rao1 ShwethaSudireddy2 M.Vijaya Laxmi3 Laxmi Hugar4	CSE	A Smartphone App-Based Machine Learning Approach for Diabetes Prediction	Mukt Shabd Journal	Jul-24	2347-3150	DOI:10.0014.MSJ.2024.V13I7.0086781.261004
73	1Samatha Nekkhalapudi 2Botla Nandana3Attaluri Lalitha 4Gudapati Sarala	CSE	DATA PRIVACY IN IOT ECOSYSTEMS	International Journal of Engineering Research and Science & Technology (IJERST)	Aug-24	2319-5991	https://doi.org/10.62643/ijerst.2024.v17.i3.pp16-26
74	1Kadari Shireesha2Burugula Sunitha3Mohammad Raziuddin 4Kummari Vasantha	CSE	Security issues in Vehicular Adhoc Networks	International Journal of Information Technology & Computer Engineering	Jul-24	2347–3657	https://www.ijitce.com/ijitceadmin/upload/ijlbp_s_668935e9f3e16.pdf
75	Gotlur Kalpana,Dr. A Kanaka Durga,Kodumuri Bhavya	CSE	A Framework for Integrating Generative AI into Disease Severity Classification	International Journal of Novel Research and	Dec-24	2456-4184	https://ijnrd.org/viewpaperforall.php?paper=IJNRD2412117

			Systems	Development			
76	1Gotlur kalpana, 2K.Shireesha , 3Ch..RamaKrishna	CSE	A Unified Framework for Intelligent Decision-Making: Deep Learning Meets Fuzzy Logic	International Journal of Creative Research Thoughts (IJCRT)	Dec-24	2320-2882	https://www.ijcrt.org/viewfull.php?&p_id=IJCRT2412372
77	1Gotlur Kalpana, 2 A.Lalitha, 3M.Kavya	CSE	Quantum Image Processing: A New Paradigm for High-Dimensional Data Handling	Journal of Emerging Technologies and Innovative Research (JETIR)	Dec-24	2349-5162	https://www.jetir.org/view?paper=JETIR2412354
78	Gotlur kalpana, 2 P.Swetha, 3 P.Sandhya	CSE	Optimizing Deep Learning Models with HGSO And WWO Algorithms	International Journal for Research Trends and Innovation.	Jan-25	2456-3315	https://ijrti.org/viewpaperforall.php?paper=IJRTI2501003
79	1Gotlur kalpana , 2T.kaivalya Sai , 3T.Anoop Reddy	CSE	Leveraging Machine Learning for Effective Osteoporosis Detection and Classification	International Journal of Emerging Technologies and Innovative Research	Feb-25	2349-5162	http://www.jetir.org/view?paper=JETIR2502061
80	S. Divya*1, M. Vijaya*2	CSE	REVIEW ON VIRTUAL FITTING ROOM USING AR AND AI TECHNOLOGIES	International Journal of Modernization in Engineering Technology and Science	Dec-24	2582-5208	https://www.doi.org/10.56726/IRJMETS65191
81	M. Vijaya*1, S. Divya*2, M. Jhansi*3	CSE	PREDICTING GOLD MARKET PRICES USING MACHINE LEARNING TECHNIQUES	International Journal of Modernization in Engineering Technology and Science	Dec-24	2582-5208	https://www.doi.org/10.56726/IRJMETS65192
82	G. Surekha, 2 Dr Md Zaheer Ahmed, 3 Dr A.Swarna, 4 Dr Y.Praveen Kumar	CSE	Enhanced Cyclone Intensity Estimation Using Deep Learning Models	International Journal of Scientific Research in Engineering and Management (IJSREM)	Dec-24	2582-3930	DOI: 10.55041/IJSREM39815
83	Ch. Deepika1 , Ch. Alekhya2 , G. Khushi Reddy3 , Ch. Mounika4 , S. Chaitanya Kumar5	CSE	EDA FOR BANK LOAN DEFAULT RISK ASSESSMENT	International Journal Of Progressive Research In Engineering Management And Science	Dec-24	2583-1062	https://www.ijprems.com/uploadedfiles/paper//issue_12_december_2024/37713/final/fin_ijprems1733917738.pdf
84	Gotlur Kalpana, 2 Dr A. Kanaka Durga, 3 Dr N. Anusha	CSE	Exploring Machine Learning Approaches For Covid-19 Detection: A Comparative Analysis	International Journal of Emerging Technologies and Innovative Research	Mar-25	2349-5162	http://www.jetir.org/view?paper=JETIR2503184
85	1DR MOHAMMED ZAHEER AHMED, 2DR	CSE	Leveraging Explainable Ai To	Journal of Theoretical	Feb-25	1992-8645	https://www.jatit.org/volumes/Vol103No1/10

	J VISUMATHI, 3DR PRAVEEN KUMAR YECHURI, 4DR A SWARNA, 5G SUREKHA, 6P. NARESH		Improve Breast Cancer Detection Rate Using Transfer Learning With Deep Recurrent Convolutional Neural Networks	and Applied Information Technology			Vol103No1.pdf
86	Prabhakar Gantela, Merlin Linda George, Sudheer Reddy Bandi, Nagamani Samineni, Sonkoju Nagarjuna Chary and Sonkoju Nagarjuna Chary	CSE	A novel behavioral health care dataset creation from multiple drug review datasets and drugs prescription using EDA	Open Computer Science	Mar-25	2299- 1093	https://doi.org/10.1515/ comp-2025-0025
87	Yamini R. Potbhare1 , Dr. Ravi Mathey2	CSE	NeuroScanCare: Intelligent Brain Tumor Detection With Integrated Medical Support	Global Journal of Engineering Innovations and Interdiscipli nary Research	Jun-25		10.33425/3066- 1226.1122
88	Vijay Kumar Damera, Ramesh Cheripelli, Narsaiah Putta, G. Sirisha & Deepthi Kalavala	CSE	Enhancing remote patient monitoring with AI-driven IoMT and cloud computing technologies	scientific reports	Jul-25	2045- 2322	https://doi.org/10.1038/ s41598-025-09727-z
89	Dr. Somasekhar Tiruveedhula	Chem istry	<u>DFT and Molecular Docking Studies of 10- Hydroxylstrictosam ide from Methanol Leaves Extract of Sarcocephallus latifolius (Smith, Bruce)</u>		2024-6- 9	0019- 4522	https://doi.org/10.1016/ j.jics.2024.101347
90	Dr. Somasekhar Tiruveedhula	Chem istry	<u>Estimation of some important thermodynamic properties of organic liquid mixtures at various temperatures (3- pentanol, benzyl salicylate, ethyl salicylate and methyl salicylate)</u>	Physics and Chemistry of Liquids	2024- 11-23	1026- 7727	https://doi.org/10.1080/ 00319104.2024.242951 2
91	Dr. Somasekhar Tiruveedhula	Chem istry	Pharmacological Evaluation of Atranorin: A Comprehensive Study on its Biological Activities	Journal of Biomedical Research & Environment al Sciences	2024-6- 11	2766- 2276	doi: 10.37871/jbres2034
92	Dr. Somasekhar Tiruveedhula	Chem istry	Mushrooms, Lichens and Allopathic Medicine: Principles and Performs	Journal of Biomedical Research & Environment al Sciences	2025- 01-03	2766- 2276	DOI: 10.37871/jbres2051
93	Dr. Rohini Rondla	Chem istry	Synthesis, Structure,	Asian Journal of	July 2024	2588- 5839	https://doi.org/10.4830 9/ajgc.2024.454525.14

			Antimicrobial, DNA binding and DFT analysis of Bioactive Cu(II), Ni(II) and Co(II) Complexes Obtained from (thiophene-2yl)methanamine Schiff base Ligands.	Green Chemistry			
94	Dr. Rohini Rondla	Chemistry	UPLC Estimation of an Antidiabetic Drug by Method Development and Validation Followed by Stability Indicating Studies.	International Journal of Pharmaceutical Quality Assurance	2024-08-31	0975-9506	DOI: 10.25258/ijpqa.15.3.44.
95	Dr. Rohini Rondla	Chemistry	Greener and whiter analytical method development and validation for determining the presence of zolpidem tartrate infused in apple juice using RP-HPLC via magnetic solid-phase extraction followed by LC-MS confirmatory analysis.	RSC Advances	2024-09-01	2046-2069	DOI: 10.1039/d4ra04303k
96	Dr. J. Ramesh	Physics	Influenced of Nd doping on the structural, mossbauer and magnetic properties of YFeO ₃ multiferroic	Journal of Material Science and Material of Electron	28 April-2024	1573-482X	https://doi.org/10.1007/s10854-024-13306-9
97	Dr.M.Sravan Kumar	Physics	Effect of Holmium doping on Structural and Magnetic Properties of YbMn ₂ O ₅	High Technology Letters	April 2024	1006-6748	http://www.gjstx-e.cn/
98	Dr.M.Sravan Kumar	Physics	Investigation of La-site mixed rare earth doped R _{0.7} Ca _{0.3} MnO ₃ (R=La _{1/3} Pr _{1/3} Nd _{1/3}) perovskite: Irreversible transport and magnetic properties	Materials Science in Semiconductor or Processing	January -2025	1873-4081	https://doi.org/10.1016/j.mssp.2025.109275
99	Dr.R.Mahesh	Physics	Influence of Pressure on Electronic, Magnetic Behavior, and Fermi Surface Studies of SrFe ₂ X ₂ (X = P, As, Sb) Iron-Based Superconductors	Journal of Electronic Materials	9/17/2024	0361-5235	https://link.springer.com/article/10.1007/s11664-024-11406-0
10	Dr MD. Hussain	Engli	Nature and Divinity	JOELL	9/1/202	2349-	Doi:

0		sh	in the Selected Poems of K. Sareen Raj: A Critical Study		4	9753	https://doi.org/10.54513/JOELL.2024.11308
101	M.Hepsiba	English	Importance of Reading in Enhancing Students Reading Skills	IJARESM	Aug-24	2455-6211	https://www.ijaresm.com/importance-of-reading-in-enhancing-students-reading-skills
102	M.Hepsiba	English	Application of Technology in English Language Learning	IJFMR	Nov-24	2582-2160	https://www.ijfmr.com/papers/2023/6/9055.pdf
103	Dr G Jaya Lalitha	Mathematics	Numerical exploration of Hall and Dufour effects on rotating MHD natural convection near an infinite vertical plate with ramped boundary conditions using FDM and RSM using combined FDM and RSM approaches.	International Journal of Therm of fluids	Feb-2025	2666-2027	https://doi.org/10.1016/j.ijft.2025.101106
104	Dr G Jaya Lalitha	Mathematics	Numerical study on thermal radiation and chemical reaction impacts on Prandtl nanofluid flow over a bilinear stretching sheet with heat generation and absorption: Response surface methodology.	Nano-Structures & Nano-Objects	Feb-2025	2352-5088	https://doi.org/10.1016/j.nanoso.2025.101446
105	Dr. Rajender Vadija	Chemistry	Virtual Screening Technique to Identify Inhibitors of Mycobacterium tuberculosis Rv3032 Protein Involved in MGLP Biosynthesis	Russian Journal of Bioorganic Chemistry	June-2024	1068-1620	https://doi.org/10.1134/S1068162024030300
106	Dr. M. Lakshmi	Physics	Investigation of the Dielectric Characteristics of Chromium-substituted Zinc and Cobalt Nanoferrite Systems, vol. 2886, no. 1, p. 012011.	Journal of Physics: Conference Series, IOP Publishing	Nov-2024	1742-6596	DOI:10.1088/1742-6596/2886/1/012011
107	Dr. M. Lakshmi	Physics	Investigation of the magnetic characteristics of Cr-Zn and Cr-Co nanoferrite systems, Materials Research Innovations	Materials Research Innovations	Feb-2025		DOI: 10.1080/14328917.2025.2466709
108	Dr.P.Sarah	Physics	Investigation of the Dielectric Characteristics of Chromium-substituted Zinc and	Journal of Physics: Conference Series, IOP Publishing	Nov-2024	1742-6596	DOI:10.1088/1742-6596/2886/1/012011

			Cobalt Nanoferrite Systems, vol. 2886, no. 1, p. 012011.				
109	Dr.P.Sarah	Physics	Investigation of the magnetic characteristics of Cr-Zn and Cr-Co nanoferrite systems, Materials Research Innovations	Materials Research Innovations	Feb-2025		DOI: 10.1080/14328917.2025.2466709
110	D Naveen	Physics	Investigation of the Dielectric Characteristics of Chromium-substituted Zinc and Cobalt Nanoferrite Systems, vol. 2886, no. 1, p. 012011.	Journal of Physics: Conference Series, IOP Publishing	Nov-2024	1742-6596	DOI:10.1088/1742-6596/2886/1/012011
111	Dr.D.Indira Priyadarshini	English	Importance of Reading in Enhancing Students Reading Skills	IJARESM	Aug-24	2455-6211,	https://www.ijaresm.com/importance-of-reading-in-enhancing-students-reading-skills
112	Dr.D.Indira Priyadarshini	English	Application of Technology in English Language Learning	IJFMR	Nov-23	2582-2160	https://doi.org/g5mgm
113	Dr.D.Indira Priyadarshini	English	Transcultural Themes in the mistress of spices	IJELR	Sep-24		http://www.ijelr.in/11.3.24/186-189%20Dr.%20K.%20John%20Wesley%20Sasikanth.pdf
114	Dr.S.Sivaiah	Mathematics	Mathematical Modeling of Turbulent Flows Using Advanced Computational Fluid Dynamics	Metallurgical and Materials Engineering	Feb 25	2217-8961	https://metall-mater-eng.com/index.php/home/article/view/1311
115	Dr.R.RAMAKRISHNA	Mathematics	Determinants of length of stay in covid-19 patients at EKA KOTEBE general hospital,Ethiopia-Areview	Indian Journal of Basic and Applied Medical Research;	June2024	2250-284X	https://www.ijbamr.com/home/current_issue_details/80#
116	K Sree Vani	English	Integrating Emotional Intelligence into English Language Teaching: Theoretical Models and Classroom Applications	RJOE	June 2025	2456-2696	https://www.rjoe.org.in/vol10iss2.html
117	K Sree Vani	English	Blended Learning in ELT: Evaluating Its Effectiveness and Benefits	IJRAR	June 2024	2349-5138	https://ijrar.org/viewfull.php?&p_id=IJRAR24B4288
118	Dr. M. Anand Pandarinath	Physics	Spectroscopic and thermal investigations on Zn ²⁺ and Ba ²⁺ ions modified 30TeO ₂ -39.5 B ₂ O ₃ -(30-x) ZnO-xBaO-0.5 V ₂ O ₅ (0 ≤ x ≤ 30 mol%)	Spectrochimica Acta Part A: Molecular and Biomolecular Spectroscopy	2024	1316-1425	https://doi.org/10.1016/j.saa.2024.124088

			glass system				
119	Dr. M. Anand Pandarinath	Physics	Investigation on electronic structure and optical properties of lead-free double perovskite A ₂ SnCl ₆ (A= Sr, K) from first principle study	Organic, Hybrid, and Perovskite Photovoltaics XXV 13123, sandiago, USA	30-09-2024	0277-786X	https://doi.org/10.1117/12.3027660
120	Dr P Kiranmai	English	Blending of Literature and Language for Language Learning	THINK INDIA JOURNAL	9/1/2024	0971-1260	https://zenodo.org/records/14421568
121	Dr P Kiranmai	English	Enhancing Language Acquisition through Literary Texts: A Comprehensive Approach to English Language Instruction	African Journal of Biological Sciences	29 Mar 2024	2663-2187	https://doi.org/10.33472/AFJBS.6.S11.2024.1-10
122	Dr.R.RAMAKRISHNA	Mathematics	Measurement of Super Efficiency for Management Colleges in India: A case study	Communications on Applied Nonlinear Analysis	30Nov 2024	1074-133X	https://internationalpubls.com/index.php/cana/article/view/4976/2745
123	Dr. K. Lakshmi Narayan	Mathematics	Drug Concentration After Intravenous Administration: A Mathematical Approach	Theoretical and mathematical Physics	Jun 2025	1864-5887	DOI: 10.1134/S0040577925060066
124	Dr. K. Kondala Rao	Mathematics	Dynamics of Three Species Symbiotic Amensalism Model: A Stochastic Approach	Theoretical and mathematical Physics	June 2025	1864-5887	DOI: 10.1134/S0040577925060078
125	Dr. N. Anusha	CSE(AI&ML)	Exploring Machine Learning Approaches for COVID-19 detection : A comparative Analysis	Journal of Emerging Technologies and Innovative Research	Mar-25	2349-5162	https://jetir.org/jetir%20ugc%20approval.pdf
126	Dr. K. V. Subba Reddy	CSE(AI&ML)	Optimized approach for efficient image retrieval using Resnet50 and CBAM	Journal of Information & Optimization Sciences	Mar-25	2169-0103	https://www.tarupublications.com/doi/10.47974/JIOS-1924
127	Dr. K. V. Subba Reddy	CSE(AI&ML)	Comprehensive review and analysis on multi modal image retrieval	Journal of Information & Optimization Sciences	Mar-25	2169-0103	https://www.tarupublications.com/doi/10.47974/JIOS-1923
128	Dr Praveen Kumar Yechuri	CSE(AI&ML)	Local Symmetrical Patterns Based Feature Extraction Model (LSP-FEM) for Efficient Face Recognition	Cogent Engineering	Aug-24	2331-1916	https://www.tandfonline.com/doi/full/10.1080/23311916.2024.2390676
129	Dr. KSRK Sarma	CSE(DS)	"Security Issues And Solutions In	Cogent Engineering	24-Aug	2331-1916	https://www.tandfonline.com/doi/full/10.1080/

			Vehiclead hoc Networkssecurity Issues And Solutions In Vehicle Ad hoc Networks" Alerting System	OAEN			23311916.2024.2390676
130	M.Kavya,p.Babitha,M.Prasanna kumari	CSE(DS)	Assessing autopsy in digital forensics : Comprehensive functionality review and comparative study	Mukt Shabd Journal	May-24	2347-3150	DOI:10.0014.MSJ.2024.V13I5.0086781.2447
131	Dr. KSRK Sarma	CSE(DS)	Securing digital certificates with perceptual hashing and JSON web tokens	Journal of Information & Optimization Sciences	2025	2169-0103	https://www.tarupublications.com/doi/10.47974/JIOS-1930
132	Dr. KSRK Sarma	CSE(DS)	Advanced detection of phishing URLs : An empirical study through login URL pattern analysis	Journal of Information & Optimization Sciences	2025	2169-0103	https://www.tarupublications.com/doi/10.47974/JIOS-1929
133	K . Kishore	CSE(DS)	Advanced detection of phishing URLs : An empirical study through login URL pattern analysis	Journal of Information & Optimization Sciences	2025	2169-0103	https://www.tarupublications.com/doi/10.47974/JIOS-1928
134	N Samatha	CSE(DS)	DATA PRIVACY IN IOT ECOSYSTEMS	ijerst	2024	2319-5991	https://doi.org/10.62643/ijerst.2024.v17.i3.pp16-26
135	M.Kavya	CSE(DS)	Quantum Image Processing: A New Paradigm for High-Dimensional Data Handling	JETIR	2024	2349-5162	https://www.jetir.org/view?paper=JETIR2412354
136	Dr. A. Srujana	EEE	Improved Power Transfer Capability of Micro-Grid Using Deep Learning Algorithms	Journal of Information Systems Engineering and Management	18 02 2025	2468-4376	https://doi.org/10.52783/jisem.v10i20s.3192
137	Dr. A. Srujana Mr.B. Rajesh Dr.C. N. Ravi	EEE	Electrical Energy Prediction using ARIMA Model	Journal of Technology	October 2024	1012-3407	https://drive.google.com/file/d/1O0MHP1v9CAH0g3FPoRZMX01OnfwWNWR3/view
138	Mr. B Sudhakar Reddy Mr.B. Rajesh	EEE	Design and Implementation of an Automated Water Dispensing Robot for High-Traffic Dining Environments	Journal of Technology	October 2024	1012-3407	https://drive.google.com/file/d/1JiZoBb1uQsf3wWbcJuSR4dGNRSqsOmX_/view
139	Mr. Tummeti Parameshwar	EEE	Doubly Fed Induction Generator based Wind Energy Conversion System of PI and Fuzzy Logic Controller	Indian Journal of Natural Sciences	Aug / 2024	0976 – 0997	https://tnsroindia.org.in/JOURNAL/issue85/ISSUE%2085%20-%20AUG%202024%20-%20FULL%20TEXT%20PART%2002.pdf
140	Mr. Tummeti Parameshwar	EEE	ANFIS-based optimization for achieving the	International Journal of Applied	June 2024	2722-2624	DOI: 10.11591/ijape.v13.i2.pp320-327

			maximum torque per ampere in induction motor drive with conventional PI	Power Engineering (IJAPE)			
142	P. Naga Muneendra K Haritha,	EEE	A Review on Design and control of Permanent Magnet Synchronous Motor	IJARIE-	November 2024	2395-4396	https://ijarie.com/FormDetails.aspx?MenuScriptId=234328&srsltid=AfmBOor15dLEKSzlxCbQ48uHrvQob5okSGst2YIIBmf-B5IY7VUJN4b
143	P. Naga Muneendra K Haritha, Mr. L.Raju	EEE	Solar Photovoltaic Array Fault Diagnosis Using an IoT and Semi-Supervised Learning-Based Strategy	IJARIE-	November 2024	2395-4396	https://ijarie.com/AdminUploadPdf/Solar_Photovoltaic_Array_Fault_Diagnosis_Using_an_IoT_and_Semi_Supervised_Learning_Based_Strategy_ijarie25454.pdf
144	V. Vijaya Lakshmi	EEE	Reduced Sensor Based Pmsm Driven Autonomous Solar Water Pumping System	Journal of Engineering Sciences	July 2024	0377-9254	DOI:10.15433.JES.2024.V15I7.43P.121
145	Kalavena Swapna	EEE	Improved Meta-Heuristic Deming Ranked Firefly Optimization Bidding Approach for Energy Management in Microgrid	Journal of Electrical Engineering & Technology	March 2025	2093-7423	https://doi.org/10.1007/s42835-025-02257-8
146	Dr.P.Chakradhar	MBA	A Study on Behavioral Finance and its Impact on Decision Making of an Investment	International Journal of Economics, Business and Management Studies	2024	2347 - 4378	https://eprajournals.com/IJHS/article/12649
147	Dr.Masarat Jahan	MBA	The influence of Macro Economic Factors on NSE performance: A causality approach	Journal of informatics education and research	2025	1526-4726	https://jier.org/index.php/journal/article/view/2628
148	Dr. Madhavi Bolla	MBA	The influence of Macro Economic Factors on NSE performance: A causality approach	Journal of informatics education and research	2025	1526-4726	https://jier.org/index.php/journal/article/view/2628
149	Dr. Madhavi Bolla	MBA	An evaluative study of cultural diversity in the IT sector	International Journal of Advanced Research in Science, Engineering and Technology	Dec-24	2321-9653	https://www.ijraset.com/print-certificate/an-evaluative-study-of-cultural-diversity-in-the-it-sector
150	K.Kavitha	MBA	An evaluative study of cultural diversity in the IT sector	International Journal of Advanced Research in Science, Engineering and	Dec-24	2321-9653	https://www.ijraset.com/print-certificate/an-evaluative-study-of-cultural-diversity-in-the-it-sector

				Technology			
15 1	K.Kavitha	MBA	Use of social media as a learning source for engineering students about the selected apps.	International Journal of Research and Analytical Reviews	2024	2348-1269	https://ijrar.org/viewfull.php?&p_id=IJRAR24D1596
15 2	A.K. Srujana	MBA	A study on assessing emotional intelligence as driver of employee performance in Hyderabad IT Industry	International Journal of Research and Analytical Reviews	Nov-24	2348-1269	-
15 3	A.K. Srujana	MBA	A Study on the Evolution of green finance: Investing in asuitable Future	International Journal of Advanced Research in Science, Engineering and Technology	Dec-24	2321-9653	https://www.ijraset.com/best-journal/a-study-on-the-evolution-of-green-finance-investing-in-a-sustainable-future
15 4	K Arjun Goud	MBA	A Study on Behavioral Finance and its Impact on Decision Making of an Investment	International Journal of Economics, Business and Management Studies	2024	2347 - 4378	https://eprajournals.com/IJHS/article/12649

MoUs with Industries

S. No.	Name of the institution/ industry/corporate house	Month and Year of signing MoU/Period		Department
Civil Engineering				
1	ULTRA TECH Cement Limited	06/04/2024	05/04/2029	Civil
2	Dr Fixit Institute of Construal Protection & Rehabilitation	06/01/2023	06/01/2026	Civil
3	The Copperbelt University, Zambia	15/07/2022	14/07/2027	Civil
4	EE Engineering construction services(EEE CS)	08/02/2021	08/02/2024	Civil
CSE/IT/AI				
1	Movate Technologies Pvt.Ltd	06/11/2024	06/11/2026	Placements
2	Swecha	16/08/2024	15/08/2025	CSE
3	Smart Bridge Educational Services Pvt.Ltd	09/01/2024	09/01/2025	CSE
4	Brainovision Silutions India Pvt.Ltd	06/09/2023	06/09/2026	CSE
5	Eduskills Foundation	15/12/2023	15/12/2026	Placements
6	Qlik Tech India Pvt.Ltd	27/07/2022	Until Terminated	Placements
7	ExceIR Solution	25/11/2022	25/11/2024	Placements
8	Infosys Spring Board	28/02/2022	28/2/2024	Placements
9	Oracle Academy	23/10/2019	31/10/2024	Placements
10	Supraja Technologies	30/09/2024	29/09/2027	IT
11	Cyber Security Centre of Excellence	10/01/2025	10/01/2027	IT
ECE				
1	Metronix	28/01/2020	28/01/2025	ECE
2	Skyroot Aerospace Private Limited	27/03/2023	27/03/2025	ECE
3	Sapient Systems	28/01/2020	28/01/2025	ECE
4	Edutech Innovations	01/03/2023	01/03/2028	ECE
EEE				

1	Hyderabad Institute of Electrical Engineers (HIEE).	25/10/2021	25/10/2026	EEE
2	Sun Seas Tech	08/04/2022	08/04/2027	EEE
3	Interleaved Multidisciplinary research centre	10/03/2022	10/03/2028	EEE
4	Skyy rider institutions for advanced skill and research	08/02/2023	08/02/2028	EEE
5	IPCS Global Solutions Private Ltd	09/03/2023	09/03/2028	EEE
6	Saitronix Electro Drives Pvt.Ltd.	20/01/2023	Life time	EEE
Mechanical Engineering				
1	Maker Global	17/12/2024	17/12/2029	Mech
2	Faculty of applied logistic and polymer sciences university of applied sciences kaiserslautern Pirmasens, Germany	4/1/2023	4/1/2028	Mech
Institute				
1	Association of Lady Entrepreneur of India	28/03/2019	28/03/2024	Institute
2	Engineering staff college of India	23/03/2022	23/03/2025	Institute
3	Indian Technology Congree Associan TSC Technologies	02/02/2022	02/02/2024	Institute
4	Wallaga University, Etheopia	02/11/2022	01/11/2027	Institute
5	CSIR-Indian Institute of Chemical Technology (IICT)	19/07/2023	07/19/2028	Institute
6	We-hub -WE Enable Program	23/12/2024	23/12/2025	Institute
7	Arroww Waste Management Solutions	27/01/2025	Untill Terminated	Institute

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
[bs 23-24 with sign.pdf](#)

18. Best Practices adopted, if any

Best Practice 1

Academic Year-2024-25

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.
- To establish Memoranda of Understanding between the Institute and industries to foster strategic Collaboration.
- To organize visits of industry executives and practicing engineers to the Institute for discussions and guest lectures on industrial practices, trends and experiences.
- To facilitate visits of faculty members to industries for study, discussions and lectures on subjects of mutual interest.

- To enable industrial training, internship programs and study tour for students.
- To encourage entrepreneurial activities among the students
- To support consultancy/ training services using the institutional expertise

3. The Context

Interaction between educational institutions and industries is the need of the hour to ensure effective exposure for technical students and to enhance the employability across the diverse sectors. The Industry-Institute Interaction Cell (IIIC) of the institute is dedicated to promoting close interaction between industries and various departments. Industries today are aware of the recent developments and inventions in their respective domains and they consistently implement technologically advanced projects to strengthen the economy. The IIIC acts as a vital bridge connecting the industry, the real world, and the Institute. Industrial exposure for faculty members contributes significantly to guiding students in current industrial practices and technologies.

At VJIT, the IIIC strives to prepare engineering students for employment in multinational and leading domestic companies by equipping them with updated technologies and engineering methodologies, thereby bridging the gap between academia and industry. In a rapidly changing market driven by competition and high-quality expectations, a dynamic, responsive, and human-centered education system is essential to meet industrial challenges.

To address these challenges, VJIT has established the Industry–Institute Interaction Cell under the leadership of an expert team with extensive academic and industrial experience. The ultimate aim of this initiative is to impart professional education aligned with contemporary industry practices, enabling students to become industry-ready and capable of securing sustainable employment in their respective fields. The IIIC at VJIT is committed to achieving these objectives through strategic collaboration and continuous engagement with the industrial sector.

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. MoU with Sweecha
4. MoU with Smart Bridge Educational Services Pvt. Ltd
5. MoU with Brain O vision Silutions India Pvt. Ltd
6. MoU with Movate Technologies Pvt. Ltd
7. MoU with Eduskills Foundation
8. MoU with ExceIR Solution
9. Collaboration with Infosys Spring Board
10. MoU with VRK Industries
11. MoU with Supraja Technologies
12. MoU with Cyber Security Centre of Excellence
13. MoU with ULTRA TECH Cement Limited
14. MoU with Dr. Fixit Institute of Construal Protection & Rehabilitation
15. MoU with The Copperbelt University Zambia
16. MoU with EE Engineering construction services(EEECS)
17. MoU with Hyderabad Institute of Electrical Engineering
18. MoU with Sky rider institutions for advanced skill and research
19. MoU with IPCS Global Solutions Private Ltd
20. MoU with Saitronix Electro Drives Pvt. Ltd.
21. MoU with Maker Global

22. MoU with Faculty of applied logistic and polymer Sciences University of applied sciences kaiserslautern
Pirmasens, Germany
23. MoU with Metronix.
24. MoU with Skyroot Aerospace Private Limited
25. MoU with Sapien Systems
26. MoU with Edutech Innovations
27. MoU with Oracle Academy
28. MoU with Engineering Staff College of India(ESCI)
29. MoU with Association of Lady Entrepreneur of India
30. MoU with Indian Technology Congree Associan TSC Technologies
31. MoU with CSIR-Indian Institute of Chemical Technology
32. MoU with We-hub -WE Enable Program
33. MoU with Wallaga University
34. MoU with Arroww Waste Management Solutions
35. MoU with Sun Seas Tech
36. MoU with Hyderabad Instruments Transformers Private Limited
37. MoU with KG Mech Electro Mechanical Pvt. Ltd
38. MoU with DTM Geo civil Consultancy (International) Melbourne
39. MoU with CADD Centre Training Services Pvt. Ltd
40. MoU with Smart Bridge Educational Services Pvt. Ltd
41. MoU with EPAM Systems India Pvt. Ltd
42. MoU with Microship
43. MoU with Interleaved Multidisciplinary research center

5. Evidence of Success

S.No.	Name of the CoE/MoU	Purpose/Outcome of MoU	No.of Certifications/Outcome
1	Qlik	<ul style="list-style-type: none"> • Online Learning & Certification • Student Projects 	3 Internships
2	Virtusa	<ul style="list-style-type: none"> • Job, Internship, Guest Lecture, • Certification in ISTQB and OJCP 	
3	Infosys Private Limited	Infosys Limited for enriching digital skills of students by utilizing the Infosys springboard platform to access online credit based industry courses and new age industry role specific learning paths and certifications as part of approved self-study MOOC's	
4	IBC Media	<ul style="list-style-type: none"> • Interaction with industry for new technologies, Certification Programs 	
5	ExceIR Solution	<ul style="list-style-type: none"> • Sessions on advanced Student Training, Internships and Projects an advanced • technologies 	
6	Sweecha	<ul style="list-style-type: none"> • Internship 	10 Internships
7	Rubicon Skill Development	<ul style="list-style-type: none"> • Soft Skills training 	11 skill enhancement activities are organized

	Private Limited		
8	Infosys Spring Board	<ul style="list-style-type: none"> • LMS Platform • Internship, Training, Student Certifications 	
9	The Copperbelt University Zambia	<ul style="list-style-type: none"> • Online Internship, International Conference • Student Training, Internships and Projects 	
10	EE Engineering construction services (EEECS)	<ul style="list-style-type: none"> • Technical talk, Internship and placement 	
11	Dr. Fixit Institute of Structural Protection & Rehabilitation	<ul style="list-style-type: none"> • Workshop, Certification Courses • collaborative Research, • Students Certifications • Faculty Development Programs 	
12	KGMECH Electro-Mechanical Pvt. Ltd	<ul style="list-style-type: none"> • Guest Lecture • Internships and Placements • Value added course. 	
13	Hyderabad Institute of Electrical Engineering	<ul style="list-style-type: none"> • Internships and Placements. • Students Projects, Seminars, • Student Training, 	
14	Engineering Staff College of India(ESCI)	<ul style="list-style-type: none"> • R&D Certifications, Industrial Visits ,Guest Lectures, Projects and Internships • Faculty Development Program 	
15	Metronix.	<ul style="list-style-type: none"> • Job Oriented Training, Industry Visits, Certification Programs ,Placements, Teal Time Industry Oriented Projects 	
16	Sapient Systems	<ul style="list-style-type: none"> • Job Oriented Training, Industry Visits, Certification Programs, Placements, Teal Time Industry Oriented Projects 	
17	Indian Technology Congree Association TSC Technologies	<ul style="list-style-type: none"> • Satellites Education/ Training/ Multidisciplinary Research & Developmental Projects • Design, Development, lunch, and tracking of a Nano satellite 	

18	Ultratech Cements limited	<ul style="list-style-type: none"> • Industrial Visits, • Students Projects, • Internship Guest Lectures Seminars 	
19	Faculty of Applied Logitic and Polymer Sciences University of Applied Sciences Kaiserslautern Pirmasenses Germany	<ul style="list-style-type: none"> • Internship, Students Projects, • Exchange of faculty for projects, conferences & seminars 	
20	Sunrise Technologies	<ul style="list-style-type: none"> • Internships, Trainings and Academic Projects ,Collaborative Projects on areas of Expertise 	
21	Maker Global	<ul style="list-style-type: none"> • Training and Multidisplinary Research related to Nano Satillites, • Knowledge Sharing, Internship, Placement 	
22	Sun Seas Tech	<ul style="list-style-type: none"> • Internships, Trainings and Academic Projects • Collaborative Projects on areas of Expertise 	
23	Interleaved Multidisplinary Research Centre	<ul style="list-style-type: none"> • Exchange of faculty for projects, • Students projects, conferences & seminars 	
24	IPCS Global Solutions Private Limited	<ul style="list-style-type: none"> • Training ,Research and Placements 	
25	Saitronix Electro Drivers Private Limited	<ul style="list-style-type: none"> • Internships and Industrial Training 	
26	Skyy Rider Instutions for advanced Skill and Reasearch	<ul style="list-style-type: none"> • Workshops , Events, Training and Projects 	
27	Skyroot Aerospace Private Limited	<ul style="list-style-type: none"> • Training and Multidisplinary Research related to Nano Satillites, • Knowledge Sharing, Internship, Placement 	
28	Edutech Innovations	<ul style="list-style-type: none"> • Training and Multidisplinary Research related to Nano Satillites, 	

		<ul style="list-style-type: none"> • Knowledge Sharing, Internship, Placement 	
29	Edify Educational Service Pvt Limited	<ul style="list-style-type: none"> • Career Counseling and Placement Assistance 	
30	EduSkills Foundation	<ul style="list-style-type: none"> • Industrial Visits, Students Projects, • Internship Guest Lectures Seminars and Placements 	
31	Go Hexa Technologies Private Limited	<ul style="list-style-type: none"> • Internships, placement training, • Guest Lecture Student Training, • Projects, Certification Programs 	
32	Brain O Vision Solutions India Private Limited	<ul style="list-style-type: none"> • Training FDP, Seminars Workshops 	
33	Smart Bridge Educational Service Pvt Ltd	<ul style="list-style-type: none"> • Students Projects, Internship, FDP 	
34	Infosys Spring Board	<ul style="list-style-type: none"> • Internship, Training, Student Certifications 	
35	Edunet Foundation	<ul style="list-style-type: none"> • Symposiums, Workshops, Technical Presentations 	
36	Crampete Private Limited	<ul style="list-style-type: none"> • Student Training, Internships and Projects 	
37	One Compiler	<ul style="list-style-type: none"> • Online coding platform. Students can practice coding in 40+ Languages and Departments can create tests online 	
38	CSIR-Indian Institute of Chemical Technology	<ul style="list-style-type: none"> • To Conduct research in advance thrust areas in science and Technology 	
39	Association of Lady Entrepreneur of India	<ul style="list-style-type: none"> • Activities Conducted under MOU awareness Program • Entrepreneurship skills 	
40	Wallaga University, Etheopia	<ul style="list-style-type: none"> • Workshops, Internships, Conferences, Research 	
41	Rubicon Skill Development Private Limited	<ul style="list-style-type: none"> • Training of Students and Faculty, Assessment 	

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6. Problems Encountered

The cost of certain high-value certifications offered through the Centers of Excellence (CoEs) is quite high, making it challenging to support all students in obtaining these certifications. There is also a need for more skilled and certified faculty members to ensure the smooth functioning of the CoEs.

To address this, the Industry–Institute Interaction Cell (IIIC) of VJIT has taken the initiative to upgrade the skill sets of faculty members. As a result, a significant number of VJIT faculty members are now certified trainers, contributing effectively to the institutional objectives.

7. Resources required to implement the Practice

- Well-equipped computer laboratories with the necessary software and hardware infrastructure are available.
- The library houses a substantial collection of books and journals covering engineering, science, and management disciplines.
- VJIT has a pool of highly qualified and well-trained faculty members.

8. Fruitful Endeavors through Industry Collaboration

- Students benefit from placement opportunities, internships, and major project guidance after completing relevant training and certification programs.
- Training provided is aligned with industry needs, ensuring students are exposed to the latest technological advancements and industrial practices.
- Through the efforts of the IIIC, faculty members gain exposure to emerging technologies, which are subsequently integrated into the curriculum to enhance its relevance and effectiveness.

Best Practice: 2

1. Title of the practice: 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."

2. 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.

3. 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.

4. The Practice

- CISCO Certifications
- Codetantra Certifications
- Oracle Certifications
- AWS Certifications
- EDUSKILLS Certifications
- INFOSYS SPRINGBOARD Certifications
- GREAT LEARNING Certifications
- QLIK Certifications
- SCALER Certifications
- SIMPLILIEARN 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
- To improve coding skills through HackerRank platform
- Conducted training classes GATE/ GRE /TOFEL

5. Evidence of Success

Course offered	Certification course name	No. of students
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		Certified
CISCO	Data Analytics	10
	Data Analytics Essentials	17
	English for IT 1	9
	Industrial Networking Essentials	6
	Network Technician career path	15
	Networking Essentials	8
	Python Essentials-2	50
AWS	AWS Academy Cloud Foundations	27
CODETANTRA	Data Analytics Essentials	12
	DBMS	25
	DS	20
	JAVA	27
	OS	14
EDUSKILLS	AI-ML Virtual Internship Data Science Master Virtual Internship	2
GREAT LEARNING	DS	36
	Data Visualization with power BI	35
	Introduction to Deep Learning	15
	Power BI Projects	1
Oracle	Database Foundations	29
	Database Programming with SQL	1
	JAVA Fundamentals	5
QLIK	Sense Business Analyst Data Analytics Data Literacy	12
SCALER	AI Tutorial Module	6
	Introduction to Packet Tracer Exam Supervised Machine Learning CN & DS	4
	DBMS	8
	Deep Drive into DeepLearning	12
	Django	6
	JAVA	9
SIMPLILIEARN	Python Django-101	27
LEARNVERN	Spoken English	6
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
Data Analytics	10
Data Analytics Essentials	17
English for IT 1	9
Industrial Networking Essentials	6
Network Technician career path	15
Networking Essentials	8
Python Essentials-2	50

Number of Students Completed: 115

CODETANTRA Certifications

CodeTantra emphasizes an interactive "learn by doing" methodology that uses real-world scenarios. The certification shows completion of this practical training, rather than just passive, video-based learning. CodeTantra certifications demonstrate foundational programming knowledge, their overall importance depends heavily on the context, especially compared to industry-recognized credentials. Their value is primarily significant within academic settings that have partnered with CodeTantra.

Certification Course Name	No. of students completed
Data Analytics Essentials	12
DBMS	25
DS	20
JAVA	27
OS	14

Number of Students Completed: 98

EDUSKILLS Certifications

EDUSKILLS certifications are important for students and professionals as they validate in-demand technical skills and provide a pathway to employment in Industry 4.0. The certificates are beneficial for both learners and educational institutions by bridging the gap between academic knowledge and industry requirements. Certificates directly from corporate partners and hiring opportunities are

offered to students who complete programs, which can help kickstart their careers.

Certification Course Name	No. of students completed
AI-ML Virtual Internship Data Science Master Virtual Internship	2

Number of Students Completed: 2

AWS Certifications

Earning a certification can make your resume stand out to hiring managers and get you past initial screening filters. It can lead to better job prospects, promotions, and new avenues for specialization in high-demand fields like machine learning, security, and data analytics.

The process of studying for and passing an AWS exam builds deep knowledge of the platform and best practices, which translates into higher confidence when working on complex projects.

Certification Course Name	No. of students completed
AWS Academy Cloud Foundations	27

Number of Students Completed: 27

GREAT LEARNING Certifications

Great Learning certifications can significantly boost a professional's career, particularly for upskilling in high-demand fields like data science and AI. The importance of these certificates, however, depends heavily on the specific program, its university affiliation, and the student's personal career goals. The most valuable certifications from Great Learning come from their collaborations with prestigious universities, such as MIT, Stanford, the University of Texas at Austin, and IITs. These programs carry the accreditation and academic rigor of the partner institution, making the certificate recognized and respected by employers globally.

Certification Course Name	No. of students completed
DS	36
Data Visualization with power BI	35
Introduction to Deep Learning	15
Power BI Projects	1

Number of Students Completed: 87

SCALER Certifications

Scaler certifications are valuable for tech professionals looking to accelerate their careers, especially those aiming for roles at top product-based companies. The primary importance of a Scaler certificate lies not just in the document itself, but in the comprehensive learning ecosystem it represents, including practical, real-world skills and extensive career support. The certificates are recognized within the tech industry as proof of completing a high-quality, hands-on training program.

Certification Course Name	No. of students completed
AI Tutorial Module	6

Introduction to Packet Tracer Exam Supervised Machine Learning CN & DS	4
DBMS	8
Deep Drive into DeepLearning	12
Django	6
JAVA	9

Number of Students Completed: 45

SIMPLILIEARN Certifications

Simplilearn collaborates with top universities and companies like Caltech, IBM, and Microsoft to design courses that align with current industry demands. This ensures learners gain practical, job-ready skills that employers are looking for.

Certification Course Name	No. of students completed
Python Django-101	27

Number of Students Completed: 27

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

Number of Students Completed: 5

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.

Certification Course Name	No. of students completed
Sense Business Analyst Data Analytics Data Literacy	12
AI Tutorial Module	6

Number of Students Completed: 18

LEARNVERN Certification

LearnVern is most valuable as a free platform for self-improvement and practical skill development, rather than as a primary qualification. The certificates serve as official proof of this

supplementary learning.

Certification Course Name	No. of students completed
Spoken English	6

Number of Students Completed: 6

Campus Recruitment training (CRT)

The Training and [Placements](#) Cell at VJIT is dedicated to ensuring maximum placement success through a structured and industry-oriented approach.

From the 1st and 2nd years, students are provided with common placement-focused training to build a strong foundation in key areas, including:

- Quantitative Aptitude
- Logical Reasoning
- Verbal Ability
- Python Programming
- Data Structures using C

In the 3rd year, students with a strong interest in product-based companies can opt for Product-Based Training after a selection process. This program includes 200 hours of specialized, intensive training tailored to meet the expectations of high-tier product-based companies.

Throughout the four-year program, each student aiming for [placements](#) receives a total of 500 hours of industry-readiness training, broken down as follows:

- 120 hours of Verbal Training
- 120 hours of Quantitative and Problem-Solving Training
- 200 hours of Core Training, aligned with their branch-specific needs (e.g., [coding](#) for circuit branches).

To further enhance placement outcomes, Company-Specific Training is also provided, enabling students to meet the specific requirements of their target companies.

This comprehensive and focused training approach ensures that VJIT students are fully prepared to excel in their [careers](#) and meet industry standards effectively.

Training & Assessment Partners

Our college has partnered with different Training partners to help our students achieve success in the workforce.

1. Smart Interview-It is focused on providing high-quality technical education through an industry-vetted curriculum.
2. CCC-Comprehensive Academic Training, Skill Development and Assessments
3. Talentio – Training & Assessments.
4. CODE TANTRA –An interactive learning platform, software solutions for students to learn

and master IT technologies.

5. Instacks: An [AI](#) driven Assessment and LMS Platform.

6. Identify the problems encountered and resources required to implement the practice

Challenges Encountered:

- Insufficient awareness regarding the significance of skill development.
- Reluctance to engage in activities due to low confidence.
- Limited family support, with a disinterest in sending their children for higher studies
- Lack of guidance resulting in difficulties for students in making academic or career decisions.

In order to address these challenges, VJIT has developed a framework aimed at inspiring students through career awareness initiatives, developing avenues for refining technical skills, and attainment of certifications in cutting-edge technologies. Furthermore, personalized training sessions are conducted to equip students for placements in reputed organizations. Additionally, GATE coaching classes are offered to strengthen their journey towards higher education.

7. Resources Required for Practice Implementation:

To effectively implement the practice sessions, the following resources are essential:

- A dedicated team of experienced and qualified faculty members who are committed to supporting the students throughout their learning journey.
- Additional resources, including a comprehensive collection of educational materials, access to specialized coaching sessions, and participation in targeted training programs. These resources are crucial for enhancing students' understanding and skills in their chosen field.
- Provision of assigned computers for students, enabling them to practice model tests, access online learning resources, and complete regular assessments. Access to these technological resources facilitates a more interactive and dynamic learning experience, enhancing students' engagement and performance.

In conclusion, addressing these challenges and providing the necessary resources is crucial for the successful implementation of the best practices aimed at empowering students from reserved categories. By leveraging dedicated faculty, additional educational resources, and technological support, VJIT can effectively bridge the gap and enable these students to thrive in higher education and the workforce.