NATIONAL BOARD OF ACCREDITATION

Data Capturing Points of the Program Applied for NBA Accreditation– Tier I/II UG (Engineering) Institute Programs

Note: To save Data Capturing Points as PDF Please click on print button and select destination as 'Save as PDF'. PLEASE SELECT LANDSCAPE MODE.

Program Name : Electronics Engineering	**Discipline**: Engineering & Technology
Level : Under Graduate	**Tier**: 1
Application No: 11563	**Date of Submission**: 17-02-2026

PART A- Profile of the Institute

A1.Name of the Institute: VEERMATA JIJABAI TECHNOLOGICAL INSTITUTE	
Year of Establishment : 1887/1997	Location of the Institute: Matunga, Near Five gardens
A2. Institute Address:H.R. MAHAJANI MARG,NEAR FIVE GARDENS,MATUNGA(E),MUMBAI-400019	
City:MUMBAI	State:Maharashtra
Pin Code:400019	Website:WWW.VJTI.AC.IN
Email:director@vjti.ac.in	Phone No(with STD Code):022-24198103
A3. Name and Address of the Affiliating University (if any):	
Name of the University :	City: Mumbai-City
State : Maharashtra	Pin Code: 0
A4. Type of the Institution: Government Aided Institute	
A5. Ownership Status: State Government	

A6. Details of all Programs being Offered by the Institution:

- No. of UG programs: **9**
- No. of PG programs: **18**

Table No. A6.1: List of all programs offered by the Institute.

Sr.No.	Discipline	Level of program	Name of the program	Year of Start	Year of Closed	Name of The Department
1	Engineering & Technology	PG	Artificial Intelligence and Data Science	2010	--	Computer Engineering
2	Engineering & Technology	UG	Civil Engineering	1949	--	Civil and Environmental Engineering
3	Engineering & Technology	UG	Computer Engineering	1986	--	Computer Engineering
4	Engineering & Technology	PG	Computer Engineering	1986	--	Computer Engineering
5	Engineering & Technology	PG	Construction Management	1991	--	Civil and Environmental Engineering
6	Engineering & Technology	PG	Defence Technology	2022	--	Mechanical Engineering
7	Engineering & Technology	PG	Electric Vehicle Technology	1958	--	Mechanical Engineering
8	Engineering & Technology	UG	Electrical Engineering	1947	--	Electrical Engineering
9	Engineering & Technology	UG	Electronics and Telecommunication Engineering	2010	--	Electronics Engineering

10	Engineering & Technology	PG	Electronics and Telecommunication Engineering	2005	--	Electronics Engineering
11	Engineering & Technology	UG	Electronics Engineering	1986	--	Electronics Engineering
12	Engineering & Technology	PG	Embedded Control Systems	1955	--	Electrical Engineering
13	Engineering & Technology	PG	Environmental Engineering	1961	--	Civil and Environmental Engineering
14	Engineering & Technology	UG	Information Technology	2001	--	Computer Engineering
15	Engineering & Technology	PG	Intergrated Power Systems	1955	--	Electrical Engineering
16	Engineering & Technology	PG	Internet of Things (IOT)	1955	--	Electronics Engineering
17	Engineering & Technology	PG	Machine Design	1958	--	Mechanical Engineering
18	Engineering & Technology	UG	Mechanical Engineering	1947	--	Mechanical Engineering
19	Engineering & Technology	PG	Mechanical Engineering (CAD/CAM and Robotics)	2000	--	Mechanical Engineering
20	Engineering & Technology	PG	Production and Industrial Engineering	1969	--	Production Engineering
21	Engineering & Technology	UG	Production Engineering (Sandwich)	1973	--	Production Engineering
22	Engineering & Technology	PG	Project Management	2013	--	Production Engineering
23	Engineering & Technology	PG	Software Engineering	2012	--	Computer Engineering
24	Engineering & Technology	PG	Structural Engineering	1959	--	Civil and Environmental Engineering
25	Engineering & Technology	PG	Technical Textile	1971	--	Textile Engineering
26	Engineering & Technology	UG	Textile Technology	1946	--	Textile Engineering
27	Engineering & Technology	PG	Thermal Sciences & Energy Systems	2011	--	Mechanical Engineering

A7. Programs to be considered for Accreditation vide this Application:

Table No. A7.1: List of programs to be considered for accreditation.

Name of the Department	Having Allied Departments	Name of the Program	Program Level
Civil and Environmental Engineering	No	Civil Engineering	UG
Electronics Engineering	No	Electronics Engineering	UG

Table No. A7.2: Allied Department(s) to the Department of the program considered for accreditation as above.
Cluster ID. Name of the Department (in table no. A7.1) Name of allied Departments/Cluster (for table no. A7.1)

No Record

PART-B: Program information

B1. Provide the Required Information for the Program Applied For:

Table No. B1: Program details.
A. List of the Programs Offered by the Department:

SR.NO.	PROGRAM NAME	PROGRAM APPLIED LEVEL	YEAR OF START / YEAR OF CLOSED	SANCTIONED INTAKE	INCREASE/DECREASE INTAKE (if any)	YEAR OF INCREASE/DECREASE	CURRENT INTAKE	YEAR OF AICTE APPROVAL	AICTE/COMPETENT AUTHORITY ARROVAL DETAILS	ACCREDITATION STATUS	FROM	TO	NO. OF TIMES PROGRAM ACCREDITED	PROGRAM DURATION
1	Electronics Engineering	UG	1986 / --	60	No	NA	60	1986	F.No. Western/1-44642072874/2025/EOA dt:-11/04/2025	Granted accreditation for 3 years for the period (specify period)	2022	2025	4	4

List of the Allied Departments/Cluster and Programs:

B2. Detail of Head of the Department for the program under consideration:

A. Name of the HoD :	Rajesh Anandrao Patil
B. Nature of appointment:	Regular
C. Qualification:	Ph.D

B3. Program Details

Table No.B3.1: Admission details for the program excluding those admitted through multiple entry and exit points.

Item (Information to be provided cumulatively for all the shifts with explicit headings, wherever applicable)	2025-26 (CAY)	2024-25 (CAYm1)	2023-24 (CAYm2)	2022-23 (CAYm3)	2021-22 (CAYm4)	2020-21 (CAYm5)	2019-20 (CAYm6)
N=Sanctioned intake of the program (as per AICTE /Competent authority)	60	60	60	60	60	60	60
N1=Total no. of students admitted in the 1st year minus the no. of students, who migrated to other programs/ institutions plus no. of students, who migrated to this program	60	61	61	57	61	60	62
N2=Number of students admitted in 2nd year in the same batch via lateral entry including leftover seats	0	10	11	10	7	10	8
N3=Separate division if any	0	0	0	0	0	0	0
N4=Total no. of students admitted in the 1st year via all supernumerary quotas	14	17	17	10	8	13	18
Total number of students admitted in the program (N1 + N2 + N3 + N4) - excluding those admitted through multiple entry and exit points.	74	88	89	77	76	83	88

CAY= Current Academic Year. CAYm1= Current Academic Year Minus 1 CAYm2= Current Academic Year Minus 2. LYG= Last Year Graduate. LYGm1= Last Year Graduate Minus 1. LYGm2= Last Year Graduate Minus 2.

B4. Enrolment Ratio in the First Year

Table No. B4.1: Student enrolment ratio in the 1st year.

Year of entry	N (From Table 4.1)	N1 (From Table 4.1)	N4 (From Table 4.1)	Enrollment Ratio [(N1/N)*100]
2025-26 (CAY)	60	60	14	123.33
2024-25 (CAYm1)	60	61	17	130.00

2023-24 (CAYm2)	60	61	17	130.00

Average [(ER1 + ER2 + ER3) / 3] = 127.78≡ 100

B5. Success Rate of the Students in the Stipulated Period of the Program

Table No.B5.1: The success rate in the stipulated period of a program.

Item	(2021-22) LYG	(2020-21) LYGm1	(2019-20) LYGm2
A*= (No. of students admitted in the 1st year of that batch and those actually admitted in the 2nd year via lateral entry, plus the number of students admitted through multiple entry (if any) and separate division if applicable, minus the number of students who exited through multiple entry (if any).	73.00	81.00	87.00
B=No. of students who graduated from the program in the stipulated course duration	69.00	77.00	81.00
Success Rate (SR)= (B/A) * 100	94.52	95.06	93.10

Average SR of three batches ((SR_1+ SR_2+ SR_3)/3): 94.23

B6. Academic Performance of the First-Year Students of the Program

Table No.B6.1: Academic Performance of the First-Year Students of the Program.

Academic Performance	CAYm1(2024-25)	CAYm2(2023-24)	CAYm3 (2022-23)
Mean of CGPA or mean percentage of all successful students(X)	7.29	6.84	7.07
Y=Total no. of successful students	78.00	77.00	67.00
Z=Total no. of students appeared in the examination	78.00	77.00	67.00
API [X*(Y/Z)]	7.29	6.84	7.07

Average API[(AP1+AP2+AP3)/3] : 7.07

B7: Academic Performance of the Second Year Students of the Program

Table No.B7.1: Academic Performance of the Second Year Students of the Program.

Academic Performance	CAYm1 (2024-25)	CAYm2 (2023-24)	CAYm3 (2022-23)
X=(Mean of 2nd year grade point average of all successful students on a 10-point scale) or (Mean of the percentage of marks of all successful students in 2rd year/10)	7.26	7.06	6.88
Y=Total no. of successful students	85.00	76.00	74.00
Z=Total no. of students appeared in the examination	87.00	76.00	74.00
API [X * (Y/Z)]	7.09	7.06	6.88

Average API [(AP1 + AP2 + AP3)/3] : 7.01

B8. Academic Performance of the Third Year Students of the Program

Table No.B8.1: Academic Performance of the Third Year Students of the Program

Academic Performance	CAYm1 (2024-25)	CAYm2 (2023-24)	CAYm3 (2022-23)
X=(Mean of 3rd year grade point average of all successful students on a 10-point scale) or (Mean of the percentage of marks of all successful students in 3rd year/10)	7.19	7.04	7.26
Y=Total no. of successful students	76.00	73.00	81.00
Z=Total no. of students appeared in the examination	76.00	74.00	81.00
API [X*(Y/Z)]:	7.19	6.94	7.26

Average API [(AP1 + AP2 + AP3)/3] : 7.13

B9. Placement, Higher Studies, and Entrepreneurship

Table No.B9.1: Placement, higher studies, and entrepreneurship details.

Item	LYG (2021-22)	LYGm1(2020-21)	LYGm2(2019-20)
FS*=Total no. of final year students	73.00	81.00	87.00
X=No. of students placed	50.00	67.00	78.00
Y=No. of students admitted to higher studies	14.00	7.00	7.00
Z= No. of students taking up entrepreneurship	1.00	0.00	1.00
Placement Index(P) = (((X + Y + Z)/FS) * 100):	89.04	91.36	98.85

Average Placement Index = (P_1 + P_2 + P_3)/3: 93.08 Placement Index Points:

PART C: Faculty Details in Department and Allied Departments

(Data to be filled in for the Department and Allied Departments)

C1. Faculty details of Department and Allied Departments

Table No.C1: Faculty details in the Department for the past 3 years including CAY

Sr.No	Name of the Faculty	PAN No.	Highest degree	University	Area of Specialization	Date of Joining in this Institution	Experience in years in current institute	Designation at Time Joining in this Institution	Present Designation	The date on which Designated as Professor/ Associate Professor if any	Nature of Association (Regular/ Contract/ Ad hoc)	Currently Associated (Y/N)	In case of NO, Date of Leaving	IS HOD?
1	Gajanan Madhavrao Galshetwar	XXXXXXX76D	Ph.D	Swami Ramanand Teerth Marathwada University, Nanded	Digital Image Processing, Computer Vision, AI, ML	13/03/2024	1.10	Assistant Professor	Assistant Professor		Regular	Yes		No
2	Anusaka Gon	XXXXXXX48E	Ph.D	National Institute of Technology Rourkela	Digital VLSI	27/06/2025	0.7	Assistant Professor	Assistant Professor		Contractual Fulltime	Yes		No
3	Shweta Laxman Kondvilkar	XXXXXXX63Q	M.Tech	Mumbai University	Wireless communication	31/01/2025	1	Assistant Professor	Assistant Professor		Contractual Fulltime	Yes		No
4	Ravindra Kumar Maurya	XXXXXXX84F	Ph.D	National Institute of Technology Silchar	Semiconductor device modeling	08/01/2024	2.1	Assistant Professor	Assistant Professor		Contractual Fulltime	Yes		No

5	Amey Anil Nandgaonkar	XXXXXXX90B	M.Tech	Dr. Baba Saheb Ambedkar Technological University, Lonere Raigad	Artificial Intelligence, Machine Learning	20/01/2025	1	Assistant Professor	Assistant Professor		Contractual Fulltime	Yes		No
6	Niranjan Mohan Joshi	XXXXXXX18D	B.Tech	Somaiya Vidyavihar University, Mumbai	RF and Antennas	16/07/2025	0.6	Assistant Professor	Assistant Professor		Contractual Fulltime	Yes		No
7	Mayuri Ranganath Mathpati	XXXXXXX75F	MS	University of Freiburg, Germany	Embedded systems, Assembly and packaging	13/08/2024	1.5	Assistant Professor	Assistant Professor		Contractual Fulltime	Yes		No
8	Rohit Mohanrao Khadkikar	XXXXXXX67Q	M.Tech	Swami Ramanand Teerth Marathwada University, Nanded	Embedded systems, PIOT, Sensors and Transducers, Basic Electronics, Engineering Exploration, IKS	14/07/2025	0.6	Assistant Professor	Assistant Professor		Contractual Fulltime	Yes		No
9	Jadhao Bhimrao Sheshrao	XXXXXXX93N	M.Tech	Shivaji University Kolhapur	Antennas, RF and Microwave	11/07/2025	0.6	Assistant Professor	Assistant Professor		Contractual Fulltime	Yes		No
10	Sapna Gahlot	XXXXXXX92P	M.Tech	Gautam Buddh Technical University	Power Electronics & Drives	15/07/2025	0.6	Assistant Professor	Assistant Professor		Contractual Fulltime	Yes		No
11	Deepak Devidasrao Gawali	XXXXXXX12H	Ph.D	Indian Institute of Technology Bombay	Systems & Control	02/08/2023	2.6	Assistant Professor	Assistant Professor		Contractual Fulltime	Yes		No
12	Sarang Sunil Oak	XXXXXXX57G	M.Tech	University of Mumbai	Electronics Engineering	09/07/2025	0.7	Assistant Professor	Assistant Professor		Contractual Fulltime	Yes		No
13	Neha Septa	XXXXXXX24R	Ph.D	Mumbai University	Wireless communication, vehicular ad hoc networks	26/09/2023	2.4	Assistant Professor	Assistant Professor		Contractual Fulltime	Yes		No
14	Upadhyay Pravesh Kamlesh	XXXXXXX87P	M.Tech	Mumbai University	Electronics	17/01/2022	2.5	Assistant Professor	Assistant Professor		Contractual Fulltime	No	29/06/2024	No
15	Niteshkumar Subhash Agrawal	XXXXXXX54K	Ph.D	Indian Institute of space science and Technology	Communication	21/03/2024	1.10	Assistant Professor	Assistant Professor		Regular	Yes		No
16	Snehlata Yadav	XXXXXXX04F	Ph.D	IIIT ALLAHABAD	VLSI	08/02/2024	2	Assistant Professor	Assistant Professor		Contractual Fulltime	Yes		No
17	Sonal Manohar Gedam	XXXXXXX14Q	M.Tech	Mumbai University	Control System	22/01/2019	7	Assistant Professor	Assistant Professor		Contractual Fulltime	Yes		No

18	Sneha Addanki	XXXXXXX81K	M.Tech	Mumbai university	Telecommunication networks	14/07/2025	0.6	Assistant Professor	Assistant Professor		Contractual Fulltime	Yes		No
19	Mithileshkumar Ramrathi Yadav	XXXXXXX38H	M.Tech	Mumbai University	Eectronics	18/01/2022	4	Assistant Professor	Assistant Professor		Contractual Fulltime	Yes		No
20	Zohra Bano Khan	XXXXXXX13P	M.Tech	Mumbai University	EXTC	11/07/2022	3.6		Assistant Professor		Contractual Fulltime	Yes		No
21	Vaishali Wamanrao Turukmane	XXXXXXX65P	M.Tech	Mumbai University	Electronics & EXTC	08/01/2023	0.10	Assistant Professor	Assistant Professor		Contractual Fulltime	No	28/06/2024	No
22	Shamal Sachin Desai	XXXXXXX19D	M.E.	NMU	Electronics & EXTC	08/01/2023	0.10	Assistant Professor	Assistant Professor		Contractual Fulltime	No	27/06/2024	No
23	Rohin Daruwala	XXXXXXX83E	Ph.D	Mumbai University	IoT	29/11/2022	3.2	Professor	Professor		Contractual Fulltime	Yes		No
24	Rajesh Anandrao Patil	XXXXXXX53J	Ph.D	Mumbai University	Signals Processing	24/01/1996	30	Lecturer	Associate Professor	25/01/2010	Regular	Yes		Yes
25	Hema Chandrakant Manjule	XXXXXXX22P	M.Tech	Mumbai University	Electronics & EXTC	25/01/2024	0.5	Assistant Professor	Assistant Professor		Contractual Fulltime	No	22/07/2024	No
26	Suyog Rajendra Hawal	XXXXXXX80L	M.Tech	VIT Vellore	Nanoelectronics , Light Matter Interaction	15/07/2025	0.6	Assistant Professor	Assistant Professor		Contractual Fulltime	Yes		No
27	Jyotsna Joshi	XXXXXXX61Q	M.Tech	Jai Narian Vyas university, Jodhpur, Rajatham	Electronics	01/08/2023	0.10	Assistant Professor	Assistant Professor		Contractual Fulltime	No	29/06/2024	No
28	Nair Vipin Valsalan Usha	XXXXXXX48A	M.Tech	Mumbai University	Electronics & EXTC	02/11/2022	1.7	Assistant Professor	Assistant Professor		Contractual Fulltime	No	28/06/2024	No
29	Shilpa Arun Raut	XXXXXXX12F	M.Tech	Mumbai University	Electronics & EXTC	01/08/2023	0.10	Assistant Professor	Assistant Professor		Contractual Fulltime	No	28/06/2024	No
30	Vinaya Pandurang Redkar	XXXXXXX69L	M.Tech	Mumbai University	Electronics & EXTC	01/08/2023	0.5	Assistant Professor	Assistant Professor		Contractual Fulltime	No	23/01/2024	No
31	Dimple Jitendra Chaudhari	XXXXXXX28L	M.E.	Sant Gadage baba, Amravati University	Digital Electronics	07/10/2025	0.4	Assistant Professor	Assistant Professor		Contractual Fulltime	Yes		No
32	Bharati Nilesh Bhirud	XXXXXXX82F	M.E.	North Maharashtra University Jalgaon	Communication System	22/01/2019	7	Assistant Professor	Assistant Professor		Contractual Fulltime	Yes		No
33	Neha Mishra	XXXXXXX28E	Ph.D	IIIT ALLAHABAD	VLSI	13/03/2024	1.10	Assistant Professor	Assistant Professor		Regular	Yes		No

34	Parvathy Lakshmy	XXXXXXX36B	M.Tech	APJ Abdul Kalam Technological University, Kerala	ECE	25/01/2024	2	Assistant Professor	Assistant Professor		Contractual Fulltime	Yes		No
35	Ogale Hemant Gopal	XXXXXXX37B	M.E.	Mumbai University	EXTC	11/03/2022	3.3	Assistant Professor	Assistant Professor		Contractual Fulltime	No	30/06/2025	No
36	Aniket Ramesh Babar	XXXXXXX58E	M.Tech	Mumbai University	Electronics	15/02/2024	0.2	Assistant Professor	Assistant Professor		Contractual Fulltime	No	18/04/2024	No
37	Swapnil Shashikant Bhase	XXXXXXX13A	Ph.D	HBNI Mumbai	Electronics & EXTC	04/08/2023	0.2	Assistant Professor	Assistant Professor		Contractual Fulltime	No	31/10/2023	No
38	Priyanka Sandeep Udmale	XXXXXXX28L	M.Tech	SNDT Women's University	Electronics	01/08/2023	0.10	Assistant Professor	Assistant Professor		Contractual Fulltime	No	29/06/2024	No
39	Panchakshari Khandesha Awaje	XXXXXXX85G	M.Tech	Mumbai University	Electronics & EXTC	14/08/2017	6.10	Assistant Professor	Assistant Professor		Contractual Fulltime	No	29/06/2024	No
40	Sheetal Anil Dudka	XXXXXXX68Q	M.E.	Mumbai University	EXTC	08/09/2023	0.10	Assistant Professor	Assistant Professor		Contractual Fulltime	No	22/07/2024	No
41	Ravina Shivcharan Fulmali	XXXXXXX48M	M.Tech	Mumbai University	Electronics	16/08/2024	0.5	Assistant Professor	Assistant Professor		Contractual Fulltime	No	31/01/2025	No
42	Kavita Sudhakar Maya Alone	XXXXXXX48H	M.E.	Mumbai University	EXTC	14/08/2024	0.4	Assistant Professor	Assistant Professor		Contractual Fulltime	No	31/12/2024	No
43	Raval Narayanrao Awale	XXXXXXX43A	Ph.D	SRTMU, Nanded	Biomedical	29/10/1998	27.3	Assistant Professor	Professor	30/10/2006	Regular	Yes		No
44	Faruk Ahamad Sharfuddin Kazi	XXXXXXX40J	Ph.D	IIT Bombay	Systems & Control	21/06/2011	14.7	Professor	Professor	21/06/2011	Regular	Yes		No
45	Haroonhaider Homi Sidhwa	XXXXXXX28D	Ph.D	IIT Bombay	Electronics & EXTC	20/08/2020	3	Assistant Professor	Assistant Professor		Contractual Fulltime	No	14/09/2023	No
46	Rahul Ramdas Ingle	XXXXXXX29F	Ph.D	Mumbai University	IoT	18/04/2011	14.9	Lecturer	Assistant Professor		Regular	Yes		No
47	Vivek Ramakrishnan Savithri	XXXXXXX71L	Ph.D	Mumbai University	EXTC	10/07/2025	0.7	Assistant Professor	Assistant Professor		Contractual Fulltime	Yes		No
48	Subhashini Mariserla	XXXXXXX56M	M.Tech	JNTU	Embedded Systems	17/02/2023	2.5	Assistant Professor	Assistant Professor		Contractual Fulltime	No	31/07/2025	No
49	Madhuri Ravindranath Tayade	XXXXXXX90D	M.Tech	Mumbai University	Electronics and Telecommunication	08/05/2014	10.1	Assistant Professor	Assistant Professor		Contractual Fulltime	No	29/06/2024	No

Table No.C2: Faculty details of Allied Departments for the past 3 years including CAY.

C2. Student-Faculty Ratio (SFR)

No. of UG(Engineering) programs in Department including allied departments/ clusters (UGn):
UG1=1st UG program
UGn=nth UG program
B= No. of Students in UG 2nd year (ST)
C= No. of Students in UG 3rd year (ST)
D= No. of Students in UG 4th year (ST)
No. of PG (Engineering) programs in Department including allied departments/ clusters (PGm):
PG1=1st PG program.
PGm=mth PG program
A= No. of Students in PG 1st year
B= No. of Students in PG 2nd year
Student Faculty Ratio **(SFR)** = S/F
S= No. of students of all programs in the Department including all students of allied departments/clusters.
No. of students (ST)=Sanctioned Intake (SA)+ Actual admitted students via lateral entry including leftover seats (L) if any (limited to 10 % of SA)
Students who admitted under supernumerary quotas (SNQ, EWS, etc) will not be considered in calculating SFR value. Those students are exempted.
F=Total no. of regular or contractual faculty members (Full Time) in the Department, including allied departments/clusters (excluding first year faculty (The faculty members who have a 100% teaching load in the first-year courses)).

No. of UG Programs in the Department2 No. of PG Programs in the Department2

Table No.C2.1: Student-faculty ratio.

Description	**CAY(2025-26)**	**CAYm1 (2024-25)**	**CAYm2 (2023-24)**
UG1.B	66	66	66
UG1.C	66	66	66
UG1.D	66	66	66
UG1: Electronics and Telecommunication Engineering	**198**	**198**	**198**
UG2.B	66	66	66
UG2.C	66	66	66
UG2.D	66	66	66
UG2: Electronics Engineering	**198**	**198**	**198**
PG1.A	25	25	25
PG1.B	25	25	25
PG1: Electronics and Telecommunication Engineering	**50**	**50**	**50**
PG2.A	25	25	25
PG2.B	25	25	25
PG2: Internet of Things (IOT)	**50**	**50**	**50**
DS=Total no. of students in all UG and PG programs in the Department	496	496	496
AS=Total no. of students of all UG and PG programs in allied departments	0	0	0
S=Total no. of students in the Department (DS) and allied departments (AS)	**S1=** 496	**S2=** 496	**S3=** 496
DF=Total no. of faculty members in the Department	28	20	21

Description	CAY(2025-26)	CAYm1 (2024-25)	CAYm2 (2023-24)
AF= Total no. of faculty members in the allied Departments	0	0	0
F=Total no. of faculty members in the Department (DF) and allied Departments (AF)	**F1=** 28	**F2=** 20	**F3=** 21
FF=The faculty members in F who have a 100% teaching load in the first-year courses	1	1	1
Student Faculty Ratio (SFR)=S/(F-FF)	**SFR1= 18.37**	**SFR2= 26.11**	**SFR3= 24.80**
Average SFR for 3 years	**SFR= 23.09**		

C3. Faculty Qualification

- Faculty qualification index (FQI) = 2.5 * [(10X +4Y)/RF] where
- X=No. of faculty members with Ph.D. degree or equivalent as per AICTE/UGC norms.
- Y=No. of faculty members with M. Tech. or ME degree or equivalent as per AICTE/ UGC norms.
- RF=No. of required faculty in the Department including allied Departments to adhere to the 20:1 Student-Faculty ratio, with calculations based on both student numbers and faculty requirements as per section C2 of this documents: (RF=S/20).

Table No.C3.1: Faculty qualification.

Year	X	Y	RF	FQ = 2.5 x [(10X + 4Y) / RF)]
2025-26(CAY)	14	14	24.00	20.42
2024-25(CAYm1)	10	10	24.00	14.58
2023-24(CAYm2)	5	16	24.00	11.88

C4. Faculty Cadre Proportion

- Faculty Cadre Proportion is 1(RF1): 2(RF2): 6(RF3)
- RF1= No. of Professors required = 1/9 * No. of Faculty required to comply with 20:1 Student-Faculty ratio based on no. of students (S) as per C2 of this documents:.
- RF2= No. of Associate Professors required = 2/9 * No. of Faculty required to comply with 20:1 Student-Faculty ratio based on no. of students (S) as per section C2 of this documents:.
- RF3= No. of Assistant Professors required = 6/9 * No. of Faculty required to comply with 20:1 Student-Faculty ratio based on no. of students (S) as per section C2 of this documents:.
- Faculty cadre and qualification and experience should be as per AICTE/UGC norms.

Table No.C4.1: Faculty cadre proportion details.

Year	Professors		Associate Professors		Assistant Professors	
	Required RF1	Available AF1	Required RF2	Available AF1	Required RF3	Available AF3
2025-26	2.00	2.00	5.00	1.00	16.00	4.00
2024-25	2.00	2.00	5.00	1.00	16.00	4.00
2023-24	2.00	2.00	5.00	0.00	16.00	2.00
Average	RF1=2.00	AF1=2.00	RF2=5.00	AF2=0.67	RF2=16.00	AF2=3.33

C5. Visiting/Adjunct Faculty/Professor of Practice

Table No. C5.1: List of visiting/adjunct faculty/professor of practice and their teaching and practical loads.

(CAYm1)

S.No	Name of the Person	Designation	Organization	Name of the Course	No. of hours handled
1	Ms. Hema Manjule	Assistant Professor	Angel Charities Fr. Conceicao Radrigues Institute of Technology	Embedded system design and LAB	67.00
2	Ms. Hema Manjule	Assistant Professor	Angel Charities Fr. Conceicao Radrigues Institute of Technology	Design Thinking LAB(EC and EXTC)	60.00
3	Dr. Rameshwari Lokhande	Data Scientist	C12, Biz, Mumbai	Principle of IOT	40.00

(CAYm2)

S.No	Name of the Person	Designation	Organization	Name of the Course	No. of hours handled
1	Mr. Aashish Desai	Advisor	ONDC	Leadership and Team effectiveness	30.00
2	Mr. Sagar Deshmukh	Innovation Manager	Welingkar Institute of Management	Liberal learning	5.00
3	Mr. Varun Kapadi	Independent Financial Advisor	-	Financial planning taxation and invenstment	10.00
4	Swapnil Bhase	-	-	Advanced Digital Signal Processing	4.50
5	Dr. Sachin Mastud	Associate Professor	Mechanical department, VJTI	RESEARCH METHODOLOGY and IPR	56.00

(CAYm3)

S.No	Name of the Person	Designation	Organization	Name of the Course	No. of hours handled
1	Prof. M A Kerawalla	Retired Professor	ICT, Mumbai	Electrical and Electronics Devices for textile machines	70.00
2	Mr. Pakshal Parmar	-	-	Financial planning taxation and invenstment	30.00

C6. Academic Research

Table No. C6.1: Faculty publication details.

S.No.	Item	2024-25 (CAYm1)	2023-24 (CAYm2)	2022-23 (CAYm3)
1	No. of peer reviewed journal papers published	23	20	9
2	No. of peer reviewed conference papers published	14	22	23
3	No. of books/book chapters published	1	1	0

C7. Sponsored Research Project

Table No. C7.1: List of sponsored research projects received from external agencies.

(CAYm1)

PI Name	Co-PI names if any	Name of the Dept., where project is sanctioned	Project Title*	Name of the Funding agency	Duration of the project	Amount(Lacs) i.e. 15,25,000=15.25
Dr. Faruk Kazi		Ministry of Electronics and Information Technology, Govt. of India	PUSHPAK - National Mission on Drone Technology-Towards Drone Excellence	Ministry of Electronics and Information Technology, Govt. of India	4 years	8277.39
Dr. Faruk Kazi		Anusandhan National Research Foundation	"Anusandhan National Research Foundation, Partnerships for Accelerated Innovation and Research (PAIR) IITB HUB"	Anusandhan National Research Foundation	4 years	10169.36
						Amount received (Rs.):18446.75

(CAYm2)

PI Name	Co-PI names if any	Name of the Dept., where project is sanctioned	Project Title*	Name of the Funding agency	Duration of the project	Amount(Lacs) i.e. 15,25,000=15.25
Dr. Faruk Kazi		Defence Research & Development Organization (DRDO), Ministry of Defence, Government of India	A Digital Twin Approach to Investigate the Cyber Resilience of a Transmission System	Defence Research & Development Organization (DRDO), Ministry of Defence, Government of India	2 Years (2024-2026)	763.00
						Amount received (Rs.):763.00

(CAYm3)

PI Name	Co-PI names if any	Name of the Dept., where project is sanctioned	Project Title*	Name of the Funding agency	Duration of the project	Amount(Lacs) i.e. 15,25,000=15.25
Dr. Faruk Kazi		Rajiv Gandhi Science & Technology Commission, Government of Maharashtra.	Development of Smart Drone Ecosystem and Demonstration of Social Applications towards Larger Drone Deployment Strategy of Maharashtra	Rajiv Gandhi Science & Technology Commission, Government of Maharashtra.	2022-2027	3373.21
						Amount received (Rs.):3373.21

Total Amount (Lacs) Received for the Past 3 Years: 22582.96

Note*:

- Only sponsored research projects will be considered. Infrastructure-based projects will not be considered here.

C8. Consultancy Work

Table No. C8.1: List of consultancy projects received from external agencies.

(CAYm1)

PI Name	Co-PI names if any	Name of the Dept., where project is sanctioned	Project Title*	Name of the Funding agency	Duration of the project	Amount(Lacs) i.e. 15,25,000=15.25
Dr. Rahul Ingle		Pranoti Enterprises	Tender invited by bhiwandi Nizam pura city municipal corporation S.T Stand, Intelligence robotic lab material sample testing of lab equipment of m/s Pranoti Enterprise Sangli	Pranoti Enterprises	3 Months	0.24
Dr. Rahul Ingle		Pranoti Enterprises	Tender invited by Dept. of Education Zilla Parishad, Kolhapur Establishing solar operated robotics cooling lab material sample testing of lab equipment of M/S Pranoti Enterprise	Pranoti Enterprises	3 months	0.40
Dr. Rahul Ingle		Preetam Hi-Tech pvt. ltd	Tender invited by Dept. of education zilla parishad solapur, for regarding internet of things (IOT) MATERIAL INSPECTION SAMPLE TESTING INTERNET OF THINGS (IOT) MATERIAL	Preetam Hi-Tech pvt. ltd	3 months	0.40
Dr. Rahul Ingle		Robostorms Tech. Pvt. Ltd	Tender invited by Navi mumbai municipal corporation for visit and inspection of material required in navi mumbai municipal corporation for solar operated robotics coding AI lab installation of M/S Robostorms Tech. Pvt. Ltd	Robostorms Tech. Pvt. Ltd	3 months	0.24
Dr. Rahul Ingle		Robostorms Tech. Pvt. Ltd	Tender invited BY Thane Municipal Corporation for verification and third party audit for solar operated robotics coding and AI lab of M/S Robostorms Tech. Pvt. Ltd	Robostorms Tech. Pvt. Ltd	3 months	1.77
Dr. Rahul Ingle		Robostorms Tech. Pvt. Ltd	Tender invited BY Dept. of Education zilla parishad solapur for establishing solar operated robotics coding lab material sample testing of lab equipment pf M/S Robostrom Technology pvt. ltd	Robostorms Tech. Pvt. Ltd	3 months	0.18
Dr. Rahul Ingle		Pranoti Enterprises	Tender invited by dept. of education zilla parishad solapur for establishing solar operated robotics coding lab material sample testing of lab equipment of M/S Pranoti Enterprises	Pranoti Enterprises	3 months	0.18
Dr. Rahul Ingle		Parshwa Energy Solutions	Tender invited by dept. of education zilla parishad solapur for establishing solar operated robotics coding lab material sample testing of lab equipment of M/S Parshwa Energy Solutions	Parshwa Energy Solutions	3 months	0.18
Dr. Rahul Ingle		Velocity	Tender invited BY dept. od edu. zilla parishad solapur for establishing solar operated robotics coding lab material sample testing of lab equipment of Velocity	Velocity	3 months	0.18
Dr. Rahul Ingle		Life Speaks	Sample testing of Lab Equipment	Life Speaks	3 months	0.18
Dr. Rahul Ingle		Robostorms Tech. Pvt. Ltd	Sample testing of Lab Equipment	Robostorms Tech. Pvt. Ltd	3 months	0.18
Dr. Rahul Ingle		Parshwa Energy Sol.	Sample testing of Lab Equipment	Parshwa Energy Sol.	3 months	0.18
Dr. R. N. Awale		Smart Kalyan Dombivali Development Cooperation	Smart Kalyan Dombivali Development Cooperation	Smart Kalyan Dombivali Development Cooperation	1 Year	1.47
Dr. R. N. Awale		Smart Kalyan Dombivali Development Cooperation	Smart Kalyan Dombivali Development Cooperation	Smart Kalyan Dombivali Development Cooperation	1 Year	1.47
Dr. R. N. Awale		Smart Kalyan Dombivali Development Cooperation	Smart Kalyan Dombivali Development Cooperation	Smart Kalyan Dombivali Development Cooperation	1 Year	0.98
						Amount received (Rs.):8.23

(CAYm2)

PI Name	Co-PI names if any	Name of the Dept., where project is sanctioned	Project Title*	Name of the Funding agency	Duration of the project	Amount(Lacs) i.e. 15,25,000=15.25
Dr. Faruk Kazi		Siemens	Consultancy Project	Siemens		11.55
						Amount received (Rs.):11.55

(CAYm3)

PI Name	Co-PI names if any	Name of the Dept., where project is sanctioned	Project Title*	Name of the Funding agency	Duration of the project	Amount(Lacs) i.e. 15,25,000=15.25
Dr. R. N. Awale		SKDCL	Appointment of third party Energy Efficient smart LED STREET LIGHTING SYSTEM IN KALYAN DOMBIVLI UNDER SMART CITY MISSION	SKDCL	2 year	0.49
Dr. R. N. Awale		SKDCL	Appointment of third party auditor for PAN CITY PROJECT OF SMART KALYAN-DOMBILI DEVELOPMENT CORPORATION LIMITED UNDER SMART CITY MISSION PROJECTS	SKDCL	2 year	5.58
Dr. R. N. Awale		SKDCL	Appointment of third party auditor for integrated transit management system in kalyan-dombivili	SKDCL	2 year	1.47
						Amount received (Rs.):7.54

Total amount (Lacs) received for the past 3 years: 27.32

Note*:

- Only consultancy projects will be considered. Infrastructure-based projects will not be considered here.

C9. Institution Seed Money or Internal Research Grant to its Faculty for Research Work

Table No. C9.1: List of faculty members received seed money or internal research grant from the Institution.

(CAYm1)

Faculty name	Project title/ Support for Activity	Duration of the project	Amount(Lacs) i.e. 15,25,000=15.25	Amount Utilized(Lacs) i.e. 15,25,000=15.25	Outcomes of the project
Dr. Neha Mishra	Synthesis of novel nanomaterials for detection and synergistic water disinfection effects	2 years	5.00	2.60	Research Papers
Dr. Gajanan Galshetwar	Design and development of Video Dehazing model	2 years	4.99	3.00	Research papers
Dr. Nitesh Agrawal	Optical absorbance based sensor development	2 years	5.00	3.00	Research papers
			Amount received (Rs.): 14.99		

(CAYm2)

Faculty name	Project title/ Support for Activity	Duration of the project	Amount(Lacs) i.e. 15,25,000=15.25	Amount Utilized(Lacs) i.e. 15,25,000=15.25	Outcomes of the project
			Amount received (Rs.): 0		

(CAYm3)

Faculty name	Project title/ Support for Activity	Duration of the project	Amount(Lacs) i.e. 15,25,000=15.25	Amount Utilized(Lacs) i.e. 15,25,000=15.25	Outcomes of the project
			Amount received (Rs.): 0		

Total amount (Lacs) received for the past 3 years : 14.99

PART D: Laboratory Infrastructure in the Department

(Data to be filled in for the Department)

D1. Adequate and Well-Equipped Laboratories, and Technical Manpower

Table No.D1.1: List of laboratories and technical manpower.

Sr. No	Name of the Laboratory	Number of students per set up(Batch Size)	Name of the Important Equipment	Weekly utilization status(all the courses for which the lab is utilized)	Technical Manpower Support		
					Name of the Technical staff	Designation	Qualification
1	Basics of Communication Lab	5	i) µA-AC/DC (0-500) (ii) mA/DC (0-10) (iii) MULTIMETER (iv) FUNCTION GENERATOR MGF-	16	Shri Suryakant Mahadik	Lab Assistant	H.S.C
2	Basic Electronics Lab	5	(i) Digital Multimeter (ii) RMS Multimeter (iii) DSO 50 MHz (iv) Dc Regulated Power (v) Function Generator	21	Shri Santosh Parshuram (	Lab Assistant and Lab Ass	S.S.C and S.S.C
3	Biomedical Lab	4	(i) Ultrasound Transducer (ii) Audiometer with probes (iii) DAC Convertor (iv) Logarithmic Amplifier (ECTB-	2	Shri Anand Krsihna kesarl	Lab Assistant	S.S.C
4	Computer Lab	2	Desktop Computer	20	Shri Rajendra Krishna Tat	Lab Assistant	S.S.C
5	Controls Lab	5	(i) Multimeter KM-6040 7 (ii) APLAB VC97 (iii) FLUKE 115 true AMS (iv) DSO TEKTRONIXIDTD51002 (v)	20	Shri Pradeep Chandrakan	Lab Assistant	S.S.C
6	Computer Vision and Image Processing Lab	2	Desktop Computer	17	Shri Anand Krisihna kesar	Lab Assistant	S.S.C
7	Microwave Lab	4	(i) Antenna trainer kit (AMTEC) (ii) Dual Trace oscilloscope (20 MHz) (iii) Progammable synthesizer (1	18	Shri Rajendra Krishna Tat	Lab Assistant	H.S.C
8	Digital Signal Processing Lab	2	(i) Desktop compter (ii) National Instruments data Acquisition (iii) NI Speedy 3 : built-in DSP with digital i/o	20	Shri Suryakant Mahadik	Lab Assistant	H.S.C
9	Industrial Electronics Lab	4	(i) 30V Scientific Power Supply PSD-30 (ii) 15V SAIRUSH ELECTRONICS SYSTEMS/POWER	15	Shri Anand Krisihna kesar	Lab Assistant	S.S.C
10	Integrated Circuit Lab	4	(i) Power Supply 5 -12-15 V (ii) Function Generator (3 MHz) (iii) DSO (iv) RMS Multimeter (v) Digital	16	Shri Dnyaneshwar B.Gare	Lab Assistant, and Lab In	S.S.C and S.S.C

11	IOT- Microprocessor LAB	3	(i) Computer (ii) DSO TEKTRONIX, TBC 1042 (iii) DSO, TDS 1002 (iv) MULTIMETER, FLUKE, 115 TRUE	35	Shri Shankar Sitaram Dap	Lab Assistant	S.S.C
12	Virtual Instrumentation Lab	2	Desktop Computers	2	Shri Bandu Bhausaheb Ila	Lab Assistant	S.S.C
13	VLSI Lab	1	(i) Hp (all-in-one) Desktop (ii) ACER All-In-One Desktop (iii) 8051 kit DISCOVERPROJECT/DEV (iv) Arduino	26	Shri Sandeep Jagannath I	Lab Assistant	S.S.C
14	Wireless Communication Lab	2	(i) Desktop compter (ii) GSM trainer (iii) GSM Appplication module (iv) Frequency Division (v) Two	15	Shri Santosh Parshuram (	Lab Assistant and Lab Ass	S.S.C and S.S.C
15	Digital Communication Lab	4	(i) APLAB Regulated Power D.C.supply (0-32V) (ii) Renow System Regulated DC MultioutPut Power	18	Shri Rajendra Krishna Tat	Lab Assistant	S.S.C

D2. Safety Measures in Laboratories

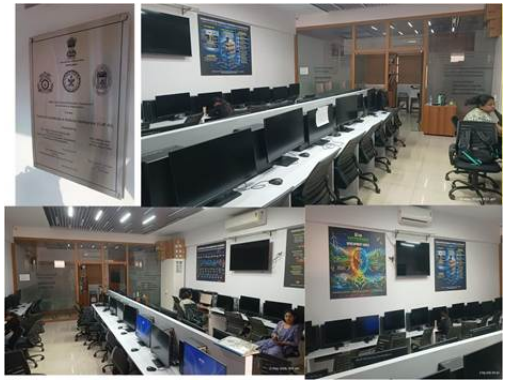
Table No. D2.1: List of various safety measures in laboratories.

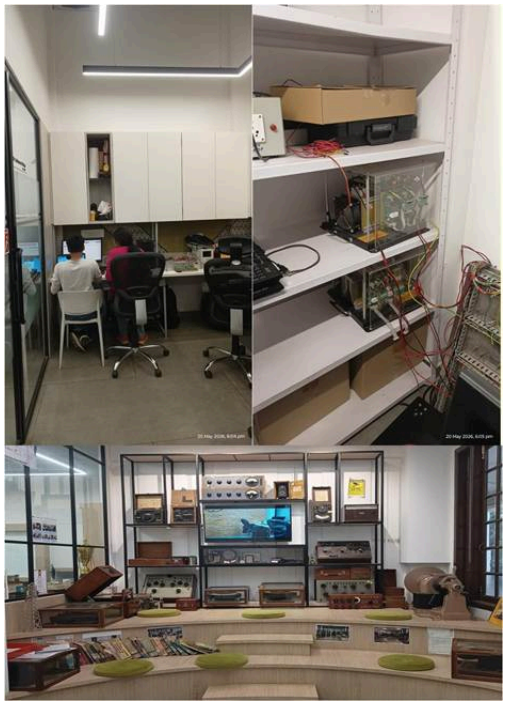
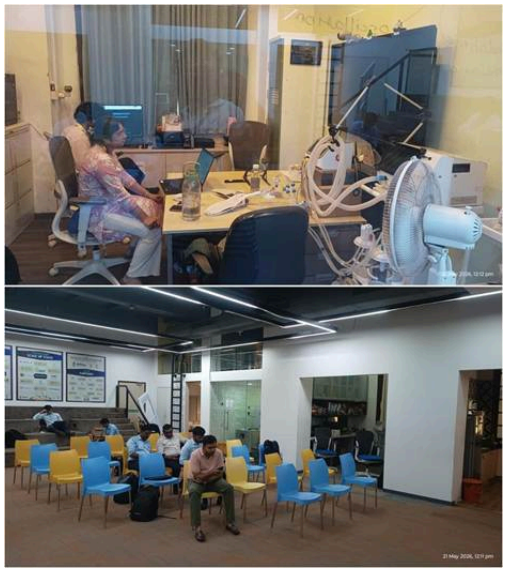
Sr. No	Laboratory Name	Safety Measures
1	Basics of Communication Lab	1. Fire extinguisher is installed near the corridor. 2. First Aid kit is made available. 3. Electric safety instructions are displayed in the laboratory. 4. Instrument handling advisory is displayed in the laboratory.
2	Basic Electronics Lab	1. Fire extinguisher is installed near the corridor. 2. First Aid kit is made available. 3. Electric safety instructions are displayed in the laboratory. 4. Instrument handling advisory is displayed in the laboratory.
3	Biomedical Lab	1. Fire extinguisher is installed near the corridor. 2. First Aid kit is made available. 3. Electric safety instructions are displayed in the laboratory. 4. Instrument handling advisory is displayed in the laboratory.
4	Computer Communication Lab	1. Fire extinguisher is installed near the corridor. 2. First Aid kit is made available. 3. Piracy related cautions are displayed for software download in the laboratory. 4. Shoes/Sleepers are to be kept outside the laboratory in shoe rack.
5	Controls Lab	1. Fire extinguisher is installed near the corridor. 2. First Aid kit is made available. 3. Electric safety instructions are displayed in the laboratory. 4. Instrument handling advisory is displayed in the laboratory.
6	Computer Vision and Image Processing Lab	1. Fire extinguisher is installed near the corridor. 2. First Aid kit is made available. 3. Piracy related cautions are displayed for software download in the laboratory. 4. Shoes/Sleepers should be kept outside the laboratory in shoe rack. 5. Instrument handling advisory is displayed in the laboratory.

7	Microwave Lab	1. Fire extinguisher is installed near the corridor. 2. First Aid kit is made available. 3. Electric safety instructions are displayed in the laboratory. 4. Instrument handling advisory is displayed in the laboratory.
8	Digital Signal Processing Lab	1. Fire extinguisher is installed near the corridor. 2. First Aid kit is made available. 3. Piracy related cautions are displayed for software download in the laboratory. 4. Shoes/Sleepers are to be kept outside the laboratory in shoe rack.
9	Industrial Electronics Lab	1. Fire extinguisher is installed near the corridor. 2. First Aid kit is made available. 3. Electric safety instructions are displayed in the laboratory. 4. Instrument handling advisory is displayed in the laboratory.
10	Integrated Circuit Lab	1. Fire extinguisher is installed near the corridor. 2. First Aid kit is made available. 3. Electric safety instructions are displayed in the laboratory. 4. Instrument handling advisory is displayed in the laboratory
11	IOT- Microprocessor Lab	1. Fire extinguisher is installed near the corridor. 2. First Aid kit is made available. 3. Electric safety instructions are displayed in the laboratory. 4. Piracy related cautions are displayed for software download in the laboratory. 5. Instrument handling advisory is displayed in the laboratory
12	Virtual Instrumentation Lab	1. Fire extinguisher is installed near the corridor. 2. First Aid kit is made available. 3. Electric safety instructions are displayed in the laboratory. 4. Piracy related cautions are displayed for software download in the laboratory. 5. Instrument handling advisory is displayed in the laboratory. 6. Shoes/Sleepers are to be kept outside the laboratory in shoe rack.
13	VLSI Lab	1. Fire extinguisher is installed near the corridor. 2. First Aid kit is made available. 3. Electric safety instructions are displayed in the laboratory. 4. Piracy related cautions are displayed for software download in the laboratory. 5. Instrument handling advisory is displayed in the laboratory. 6. Shoes/Sleepers are to be kept outside the laboratory in shoe rack.
14	Wireless Communication Lab	1. Fire extinguisher is installed near the corridor. 2. First Aid kit is made available. 3. Electric safety instructions are displayed in the laboratory. 4. Piracy related cautions are displayed for software download in the laboratory. 5. Instrument handling advisory is displayed in the laboratory. 6. Shoes/Sleepers are to be kept outside the laboratory in shoe rack.
15	Digital Communication Lab	1. Fire extinguisher is installed near the corridor. 2. First Aid kit is made available. 3. Electric safety instructions are displayed in the laboratory. 4. Piracy related cautions are displayed for software download in the laboratory. 5. Instrument handling advisory is displayed in the laboratory.

D3. Project Laboratory/Research Laboratory

Table No. 7.5.1: List of project laboratory / research laboratory / Centre of Excellence.

S.N.	Name of the Laboratory	Image
1.	Centre of Excellence in Complex and Nonlinear Dynamical Systems	
2.	Centre of Excellence in Artificial Intelligence	

3.	Electrical: Modelling, Computation, and Control (E-MC²) Lab	
4.	VJTI- Technology Business Incubator (TBI-Govt. of India)	

1. Centre of Excellence in Complex and Nonlinear Dynamical Systems (CoE-CNDS)

The CoE-CNDS is aimed at developing a rigorous and unified framework for both theoretical and applied research in the area of complex and nonlinear dynamical systems by interconnecting scattered groups to create critical mass and complementarity. Following are the key objectives:

- To foster in both ways fundamental studies and applications by collaborative research
- To develop a basis for a unified framework harnessing complex and nonlinear systems
- To motivate and integrate multi-disciplinary approaches to complex problems
- To contribute in nation's growth- technologically & socially by synthesising the obtained results and methodologies into unified strategies, criteria and procedures for design of new devices and processes.
- Facilitate the interchange of scientific results and ideas between various institutes, industries and research organizations within and outside India
- Promote use of open-source software's in fundamental research areas

2. Centre of Excellence in Artificial Intelligence (CoE-AI)

VJTI has been sanctioned Rs 5 Crores funding from the Higher and Technical Education Department of the Government of Maharashtra for establishment of Centre of Excellence (CoE) in Artificial Intelligence (AI). This includes Rs 2.85 Crores funding for recurring expenses and Rs 2.15 Crores for non-recurring for a FY 2023-24 to FY 2026-27. CoE-AI works broadly in the areas of Generative AI, Cognitive AI, and Explainable AI. VJTI has demonstrated its technical/research capabilities in the following areas of AI:

- Explainable AI (XAI) & Interpretable AI
- Healthcare & social good
- AI based Deep-fake creation & detection
- Digital Twin
- AI applications to cyber security & fraud detection
- Social media analytics
- Precision agriculture
- LLM for Marathi
- Predictive maintenance & condition monitoring

Along with research & product development in the niche areas of AI, CoE-AI also works towards capacity building, training and skill development activities in AI. This will greatly improve employability opportunities of student communities within and outside VJTI.

3. Electrical: Modelling, Computation, and Control (E-MC²) Lab

The then Head of the Electrical Engineering, Dr. Sushama Wagh, developed Electrical: Modeling, Computation, and Control (EMC^2) Lab with the CSR funding support of about Rs 2.5 Cr from Mr. Anil Jagasia owner of SAVEX company and VJTI alumnus. The EMC^2 Lab would be focusing on ML and real-time simulation applications to power system stability and control for UG projects, PG and PhD research activities.

4. VJTI- Technology Business Incubator (TBI-Govt. of India)

The VJTI Technology Business Incubator (VJTI-TBI), hosted by the prestigious Veermata Jijabai Technological Institute (VJTI) in Mumbai, is a world-class startup catalyst supported by the Department of Science and Technology (DST), Government of India. It serves as a specialized ecosystem designed to bridge the gap between academic research and commercial industrial applications.

The TBI's primary vision is to create a credible cluster of sustainable, technology-based businesses that generate significant social and economic impact. Its mission focuses on nurturing startups by providing high-quality technical assistance, mentorship in diverse domains (finance, HR, legal, and marketing), and access to state-of-the-art infrastructure.

Unlike general incubators, VJTI-TBI specializes in deep-tech and engineering sectors that align with national priorities. Its core focus areas include:

- Energy & Clean-Tech: Solar energy, tidal energy, wind energy, and energy storage.

- Smart Infrastructure: IoT, Cloud Computing, and Cyber Security for critical infrastructure.
- Electric Mobility: Battery technologies and Electric Vehicles (EVs).
- Grid Management: Smart meters, micro-grids, and power distribution.

VJTI-TBI offers a comprehensive incubation program that includes:

1. Infrastructure: Modern office spaces, high-speed connectivity, and specialized lab facilities.
2. Mentorship: Access to a network of seasoned industry professionals and academic experts from VJTI.
3. Networking: Opportunities to collaborate with government bodies, corporate partners (like LTI, AWS, and MathWorks), and international agencies.

Training: Specialized workshops and boot camps to fill knowledge gaps in entrepreneurship and technical development.

5. Maharashtra Drone Mission (Divisional Centre)

The Government of Maharashtra has approved Maharashtra Drone Mission in its Cabinet meeting held on 14 December, 2023 and subsequently a Government Resolution (GR) was issued on 28 December, 2023 to announce this decision. Dr Arnab Maity from IIT Bombay is the Principal Investigator (PI) of the project and Prof. Faruk Kazi (Professor, Electrical Engineering Department, VJTI) is Co-PI of the project from VJTI side. The main objective of this mission is to establish Maharashtra as a world class drone hub by bringing together academic and research institutions, various Government departments, industries, startups and youth (specifically women) for the development of Maharashtra through Drone technologies. The mission outlay is approximately Rs 238 Crores for the initial 5 years. IIT Bombay is identified as the nodal agency to implement the mission mode project. VJTI Mumbai, CoEP Pune and VNIT Nagpur are identified as its Divisional Centres. VJTI contributed to the conceptualization of this prestigious mission mode project right from its inception. VJTI is already partnering with IIT Bombay in drone research with a jointly funded project of Rs 33.73 Crores from Government of Maharashtra under Rajiv Gandhi Science & Technology Commission (RGSTC) for the duration of 2022-27. VJTI shall contribute in the following technical domains as part of the project deliverables-

1. Cyber security of drone ecosystem

2. Drone communication

3. IoT and AI applications to drones and anti-drones

4. Drone manufacturing

5. Environmental use cases

6. Structural health monitoring

PART E: First Year faculty and financial Resources

(Data to be filled in for the first year course faculty and budget allocation and utilization)

E1. First Year Student-Faculty Ratio (FYSFR)

Table No. E1.1: FYSFR details.

Year	Sanctioned intake of all UG programs (S4)	No. of required faculty (RF4= S4/20)	No. of faculty members in Basic Science Courses & Humanities and Social Sciences including Management courses (NS1)	No. of faculty members in Engineering Science Courses (NS2)	Percentage= No. of faculty members ((NS1*0.8) + (NS2*0.2))/(No. of required faculty (RF4)); Percentage= ((NS1*0.8) +(NS2*0.2))/RF
2023-24(CAYm2)	540	27	13	33	63
2024-25(CAYm1)	540	27	14	43	73
2025-26(CAY)	540	27	19	47	91

E2. Budget Allocation, Utilization, and Public Accounting at Institute Level

Table No. E2.1: Budget and actual expenditure incurred at Institute level.

Items	Budgeted in 2025-26	Actual Expenses in 2025-26 till	Budgeted in 2024-25	Actual Expenses in 2024-25 till	Budgeted in 2023-24	Actual Expenses in 2023-24 till	Budgeted in 2022-23	Actual Expenses in 2022-23 till
Infrastructure Built-Up	94000000	48254643	81500000	70726774	53750000	3379189	16400000	9501608

Library	16100000	9971680	17900000	14753205	8700000	6659296	18000000	8310537
Laboratory equipment	23680000	4518601	23680000	16230927	10225000	6617830	7935000	3878836
Teaching and non-teaching staff salary	600000000	571747542	639000000	539998380	595000000	466228934	510000000	532148499
Outreach Programs	900000	660856	900000	421020	1600000	1377888	2000000	904463
R&D	11428000	2502032	11428000	4065767	3300000	2355586	3160000	794781
Training, Placement and Industry linkage	800000	567093	600000	581800	600000	456371	500000	280408
SDGs	100000	46637	100000	6750	25000	6147	20000	6000
Entrepreneurship	4650000	4605223	7600000	5144263	7320000	7320000	5450000	5115451
Others, specify	0	0	0	0	0	0	0	0
Total	**751658000**	**642874307**	**782708000**	**651928886**	**680520000**	**494401241**	**563465000**	**560940583**

E3. Budget Allocation, Utilization, and Public Accounting at Program Specific Level

Table No. E3.1: Budget and actual expenditure incurred at program level.

Items	**Budgeted in 2025-26**	**Actual Expenses in 2025-26 till**	**Budgeted in 2024-25**	**Actual Expenses in 2024-25 till**	**Budgeted in 2023-24**	**Actual Expenses in 2023-24 till**	**Budgeted in 2022-23**	**Actual Expenses in 2022-23 till**
Laboratory equipment	6175000	0	6175000	6175000	2625000	2624999	1900000	207975
Software	0	0	0	0	0	0	925000	0
SDGs	100000	46637	100000	6750	25000	6147	20000	6000
Support for faculty development	0	36470	0	261558	550000	224459	550000	71960
R & D	2625000	1365213	2625000	1260355	850000	823882	850000	67750
Industrial Training, Industry expert, Internship	0	261120	0	329421	1150000	511910	595000	62035
Miscellaneous Expenses*	0	0	0	0	0	0	0	0
Total	**8900000**	**1709440**	**8900000**	**8033084**	**5200000**	**4191397**	**4840000**	**415720**