

NATIONAL BOARD OF ACCREDITATION

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

Program Name : Mechatronics Engineering	Discipline : Engineering & Technology
Level : Under Graduate	Tier : 2
Application No : 11534	Date of Submission : 26-02-2026

PART A- Profile of the Institute

A1.Name of the Institute : Marathwada Mitra Mandals Institute of Technology	
Year of Establishment : 2008	Location of the Institute: Pune
A2. Institute Address :Lohgaon Pune	
City:Pune	State:Maharashtra
Pin Code:411047	Website:www.mmit.edu.in
Email:principal@mmit.edu.in	Phone No(with STD Code):-
A3. Name and Address of the Affiliating University (if any):	
Name of the University : Savitribai Phule Pune University	City: Pune
State : Maharashtra	Pin Code: 411007
A4. Type of the Institution : Non-Autonomous (Affiliated)	
A5. Ownership Status : Self financing	

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

- No. of UG programs: 6
- No. of PG programs: 2

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	UG	Artificial Intelligence and Data Science	2021	--	Artificial Intelligence and Data Science
2	Engineering & Technology	UG	Civil Engineering	2019	--	Civil Engineering
3	Engineering & Technology	UG	Computer Engineering	2008	--	Computer Engineering
4	Engineering & Technology	PG	Computer Engineering	2024	--	Computer Engineering
5	Engineering & Technology	UG	Mechanical Engineering	2008	--	Mechanical Engineering
6	Engineering & Technology	UG	Mechatronics Engineering	2020	--	Mechatronics Engineering
7	Engineering & Technology	PG	Robotics & Automation	2024	--	Mechanical Engineering
8	Engineering & Technology	UG	Robotics and Artificial Intelligence	2024	--	Robotics and Artificial Intelligence

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 Engineering	No	Civil Engineering	UG
Mechatronics Engineering	Yes	Mechatronics Engineering	UG
Computer Engineering	Yes	Computer Engineering	UG

Mechanical Engineering	Yes	Mechanical Engineering	UG
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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)

Allied Department/Cluster Name	Program Name	Program Level
Mechanical Engineering	Robotics & Automation	PG
Mechanical Engineering	Mechanical Engineering	UG
Robotics and Artificial Intelligence	Robotics and Artificial Intelligence	UG

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	Mechatronics Engineering	UG	2020 / --	30	Yes	2023	60	2023	. Western/1-36460607822/2023/EOA Dated 02.06.2023	Applying first time	--	--	0	4

Sanctioned Intake for Last Five Years for the Mechatronics Engineering	
Academic Year	Sanctioned Intake
2025-26	60
2024-25	60
2023-24	60
2022-23	30
2021-22	30
2020-21	30

List of the Allied Departments/Cluster and Programs:

SR.NO.	ALLIED DEPARTMENT NAME	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	Mechanical Engineering	Mechanical Engineering	UG	2008 / --	60	Yes	2025	90	2025	Western/1-44642705464/2025/EOA Dated 05.04.2025	Applying first time	--	--	0	4

SR.NO.	ALLIED DEPARTMENT NAME	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
Sanctioned Intake for Last Five Years for the Mechanical Engineering															
Academic Year			Sanctioned Intake												
2025-26			90												
2024-25			60												
2023-24			60												
2022-23			60												
2021-22			60												
2020-21			90												
2	Mechanical Engineering	Robotics & Automation	PG	2024 / --	6	No	NA	6	2024	Western/1-43660085854/2024/EOA Dated 13.05.2024	Not eligible for accreditation	--	--	0	2
3	Robotics and Artificial Intelligence	Robotics and Artificial Intelligence	UG	2024 / --	60	No	NA	60	2024	Western/1-43660085854/2024/EOA Dated 13.05.2024	Not eligible for accreditation	--	--	0	4

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

A. Name of the HoD :	Dr Sonali Shrikant 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	30	30	30	0
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	58	58	47	30	15	25	0
N2=Number of students admitted in 2nd year in the same batch via lateral entry including leftover seats	0	14	19	7	18	9	0
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	3	6	6	4	4	3	0
Total number of students admitted in the program (N1 + N2 + N3 + N4) - excluding those admitted through multiple entry and exit points.	61	78	72	41	37	37	0

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	58	3	101.67
2024-25 (CAYm1)	60	58	6	106.67
2023-24 (CAYm2)	60	47	6	88.33

Average [(ER1 + ER2 + ER3) / 3] = 98.89 \approx 20.00

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).	48.00	39.00	0.00
B=No. of students who graduated from the program in the stipulated course duration	24.00	34.00	0.00
Success Rate (SR)=(B/A) * 100	50.00	87.18	0.00

Average SR of three batches ((SR_1+ SR_2+ SR_3)/3): 68.59

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)	5.84	6.19	5.28
Y=Total no. of successful students	56.00	45.00	22.00
Z=Total no. of students appeared in the examination	63.00	52.00	32.00
API [X*(Y/Z)]	5.19	5.36	3.63

Average API[(AP1+AP2+AP3)/3] : 4.73

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)	7.48	6.65	5.37
Y=Total no. of successful students	52.00	26.00	26.00
Z=Total no. of students appeared in the examination	64.00	29.00	37.00
API [X * (Y/Z)]	6.08	5.96	3.77

Average API [(AP1 + AP2 + AP3)/3] : 5.27

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)	7.57	7.00	6.86
Y=Total no. of successful students	23.00	24.00	34.00
Z=Total no. of students appeared in the examination	26.00	26.00	37.00
API [X*(Y/Z)]:	6.70	6.46	6.30

Average API [(AP1 + AP2 + AP3)/3] : 6.49

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	48.00	39.00	0.00
X=No. of students placed	19.00	23.00	0.00
Y=No. of students admitted to higher studies	0.00	2.00	0.00
Z= No. of students taking up entrepreneurship	0.00	0.00	0.00
Placement Index(P) = $((X + Y + Z)/FS) * 100$:	39.58	64.10	0.00

Average Placement Index = $(P_1 + P_2 + P_3)/3$: 51.84 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	Dr Sonali Shrikant Patil	XXXXXXXX80A	Ph.D	Savitribai Phule Pune University Pune	Design Engineering	04/08/2022	3.6	Assistant Professor	Associate Professor	01/07/2025	Regular	Yes		Yes
2	Dr.Jayashree Deka	XXXXXXXX84B	Ph.D	Assam Don Bosco University,Guwahati,Assam	Electronics Design & Technology	14/06/2024	1.8	Assistant Professor	Assistant Professor		Regular	Yes		No
3	Ms.Mayuri Sanjay Mhaske	XXXXXXXX06R	M.E.	Savitribai Phule Pune University	Design Engineering	14/06/2024	1.8	Assistant Professor	Assistant Professor		Regular	Yes		No
4	Dr.Yogita Subhash Pimpale	XXXXXXXX00R	Ph.D	Lovely Professional University	Instrumentation and control Engineering	01/07/2024	1.7	Assistant Professor	Assistant Professor		Regular	Yes		No
5	Mrs.Madhuri Pradip Shejal	XXXXXXXX10C	M.E.	Savitribai Phule Pune University Pune	signal processing	16/06/2025	0.8	Assistant Professor	Assistant Professor		Regular	Yes		No
6	Mr.Akshay Ujjwal Padekar	XXXXXXXX31F	M.Tech	National Institute of Technology Karnataka, Surathkal	Manufacturing Engineering	16/06/2025	0.8	Assistant Professor	Assistant Professor		Regular	Yes		No
7	Ms.Shital Raybhan Khande	XXXXXXXX46B	M.E.	Savitribai Phule Pune University	VLSI & ES	01/07/2025	0.7	Assistant Professor	Assistant Professor		Regular	Yes		No
8	Mr.Atul Gorakhnath Karle	XXXXXXXX50L	M.E.	Savitribai Phule Pune University	VLSI & ES	01/07/2025	0.7	Assistant Professor	Assistant Professor		Regular	Yes		No

9	Ms.Apurva Rajiv Ulhe	XXXXXXXX51Q	M.E.	Savitribai Phule Pune University Pune	Power Electronics and Drive	04/10/2021	3.7	Assistant Professor	Assistant Professor		Regular	No	30/05/2025	No
10	Dr.Gargi Sanjeev Yadav	XXXXXXXX67L	Ph.D	Indian Institute of Technology Delhi	Mechanical engineering	01/07/2023	1.3	Assistant Professor	Assistant Professor		Regular	No	23/10/2024	No
11	Mr.Shashikant Vasant Golande	XXXXXXXX71N	M.E.	Savitribai Phule Pune University	electrical power system	01/06/2023	0.11	Assistant Professor	Assistant Professor		Regular	No	30/05/2024	No
12	Mr. Sanket Ichharam Barde	XXXXXXXX75J	M.E.	Savitribai Phule Pune University	electrical power system	16/01/2025	1.1	Assistant Professor	Assistant Professor		Regular	Yes		No
13	Dr. Meghna Ranjit Yashwante	XXXXXXXX13E	Ph.D	Savitribai Phule Pune University	Electrical	01/06/2009	16.9	Assistant Professor	Professor	01/07/2025	Regular	Yes		No
14	Mr. Harshal Dattatray Vaidya	XXXXXXXX42F	M.E.	Dr. Babasaheb Ambedkar Marathwada University,Aurangabad	Electrical Drives and Control	01/07/2023	2.7	Assistant Professor	Assistant Professor		Regular	Yes		No
15	Dr.Yogini Dilip Borole	XXXXXXXX15D	Ph.D	Dr Babasaheb Ambedkar Marathwada University	Electronics VLSI	10/07/2024	1.7	Associate Professor	Professor	01/07/2025	Regular	Yes		No
16	Mr Vishal Vishwas Kulkarni	XXXXXXXX62R	M.E.	Savitribai Phule Pune University	Design Engineering	06/06/2022	3.8	Assistant Professor	Assistant Professor		Regular	Yes		No
17	Mr.Nilesh Chandrakant Dhobale	XXXXXXXX05A	M.Tech	VIT Vellore	Mechatronics	15/02/2024	2	Assistant Professor	Assistant Professor		Regular	Yes		No
18	Dr Praful Kumar Ganti	XXXXXXXX93K	Ph.D	National Institute of Technology Rourkela	Electrical	15/06/2023	0.11	Assistant Professor	Assistant Professor		Regular	No	30/05/2024	No
19	Mrs. Pallavi Vivek Munde	XXXXXXXX79M	M.E.	Shivaji University, Kolhapur	E & TC	28/01/2026	0	Assistant Professor	Assistant Professor		Regular	Yes		No
20	Dr.Mukesh Gitaram Ghogare	XXXXXXXX01Q	Ph.D	Savitribai Phule Pune University, Pune	Instrumentation and Control Engineering	01/07/2023	2	Associate Professor	Associate Professor		Regular	No	30/06/2025	No

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

Sr.No	Name of the Faculty	PAN No.	APAAR faculty ID*(if any)	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	Dr. Anjali Jitendra Joshi	XXXXXXXX24C	XXXXXXXXXX516	Ph.D	RTM Nagpur University	Machine Design	29/04/2017	8.10	Associate Professor	Professor	01/07/2025	Regular	Yes		Yes
2	Dr. Girish L. Allampallewar	XXXXXXXX92M	XXXXXXXXXX266	Ph.D	Sant Gadgebaba Amravati University, Amravati	CAD-CAM	26/08/2011	14.6	Assistant Professor	Associate Professor	01/07/2023	Regular	Yes		No

3	Dr. Dayanand Pandurang Yesane	XXXXXXXX85N	XXXXXXXXXX411	Ph.D	Savitribai Phule Pune University, Pune	Design Engineering	11/05/2009	16.9	Assistant Professor	Associate Professor	01/01/2026	Regular	Yes		No
4	Mr. Eknath Dnyandeo Kurhe	XXXXXXXX94F	XXXXXXXXXX186	M.E.	Savitribai Phule Pune University, Pune	Heat Power	13/08/2008	17.6	Assistant Professor	Assistant Professor		Regular	Yes		No
5	Mr. Naresh Bharateshwar Dhamane	XXXXXXXX14G	XXXXXXXXXX450	M.E.	Savitribai Phule Pune University, Pune	Heat Power	21/06/2012	13.8	Assistant Professor	Assistant Professor		Regular	Yes		No
6	Dr. Sachin Vyasrao Mutalikdesai	XXXXXXXX28R	XXXXXXXXXX919	Ph.D	Savitribai Phule Pune University, Pune	Heat Power	06/06/2022	3.8	Assistant Professor	Assistant Professor		Regular	Yes		No
7	Mr. Rajesh Pundlikrao Dharmale	XXXXXXXX24L	XXXXXXXXXX397	M.E.	Savitribai Phule Pune University, Pune	Manufacturing and Automation	06/07/2022	3.7	Assistant Professor	Assistant Professor		Regular	Yes		No
8	Dr.Bhuvaneshwar Dnyandeo Patil	XXXXXXXX44Q	XXXXXXXXXX432	Ph.D	SJJT University,Jhunjhunu, Rajasthan	Design Engineering	30/12/2020	5.1	Assistant Professor	Associate Professor	01/07/2025	Regular	Yes		No
9	Mr. Hrishikesh Uttamrao Gadekar	XXXXXXXX64Q	XXXXXXXXXX041	M.E.	Solapur University	Design Engineering	16/06/2025	0.8	Assistant Professor	Assistant Professor		Regular	Yes		No
10	Mr. Sudhir Sarjerao More	XXXXXXXX10L	XXXXXXXXXX771	M.Tech	IIT Bombay	Manufacturing Engineering	05/01/2012	14.1	Assistant Professor	Assistant Professor		Regular	Yes		No
11	Dr.Rupesh V. Bhortake	XXXXXXXX52J	NA	Ph.D	North Maharashtra University Jalgaon	Production Engineering	01/12/2017	8.2	Professor	Professor		Regular	Yes		No
12	Dr. Amol Sadashiv Bhanage	XXXXXXXX55E	XXXXXXXXXX484	Ph.D	Vellore Institute of Technology, Vellore	Design, CAD/CAM	08/07/2013	12.7	Assistant Professor	Professor	01/07/2025	Regular	Yes		No
13	Dr.Nilesh Nandkumar Satonkar	XXXXXXXX23L	XXXXXXXXXX859	Ph.D	Vellore Institute of Technology, Chennai	CAD/CAM	12/02/2024	2	Assistant Professor	Assistant Professor		Regular	Yes		No
14	Ms. Shilpa Tambe	XXXXXXXX91C	XXXXXXXXXX952	M.E.	Savitribai Phule Pune University, Pune	Design Engineering	16/06/2025	0.8	Assistant Professor	Assistant Professor		Regular	Yes		No
15	Mr.Dhananjay Manohar Bhoge	XXXXXXXX00G	XXXXXXXXXX076	M.E.	Savitribai Phule Pune University, Pune	Design Engineering	26/02/2011	15	Assistant Professor	Assistant Professor		Regular	Yes		No
16	Mr. Rohit Purushottam Polas	XXXXXXXX64H	XXXXXXXXXX907	M.Tech	Savitribai Phule Pune University, Pune	Thermal Engineering	06/04/2017	8.10	Assistant Professor	Assistant Professor		Regular	Yes		No
17	Mr.Shankar Dattatray Deshmukh	XXXXXXXX49R	XXXXXXXXXX150	M.E.	University Of Mumbai	E&TC	19/06/2025	0.8	Assistant Professor	Assistant Professor		Regular	Yes		No
18	Mr. Martand Pandurang Pandagale	XXXXXXXX67J	XXXXXXXXXX849	M.Tech	SRTMU Nanded	CAD CAM	01/12/2025	0.2	Assistant Professor	Assistant Professor		Regular	Yes		No

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 Department3 No. of PG Programs in the Department1

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

Description	CAY(2025-26)	CAYm1 (2024-25)	CAYm2 (2023-24)
UG1.B	66	66	33
UG1.C	66	33	33
UG1.D	33	33	33
UG1: Mechatronics Engineering	165	132	99
UG2.B	66	0	0
UG2.C	0	0	0
UG2.D	0	0	0
UG2: Robotics and Artificial Intelligence	66	0	0
UG3.B	66	66	66
UG3.C	66	66	66
UG3.D	66	66	99
UG3: Mechanical Engineering	198	198	231
PG1.A	6	6	0
PG1.B	6	0	0
PG1: Robotics & Automation	12	6	0
DS=Total no. of students in all UG and PG programs in the Department	165	132	99
AS=Total no. of students of all UG and PG programs in allied departments	276	204	231
S=Total no. of students in the Department (DS) and allied departments (AS)	S1= 441	S2= 336	S3= 330
DF=Total no. of faculty members in the Department	14	11	9
AF= Total no. of faculty members in the allied Departments	17	14	13
F=Total no. of faculty members in the Department (DF) and allied Departments (AF)	F1= 31	F2= 25	F3= 22
FF=The faculty members in F who have a 100% teaching load in the first-year courses	3	2	2
Student Faculty Ratio (SFR)=S/(F-FF)	SFR1= 15.75	SFR2= 14.61	SFR3= 16.50
Average SFR for 3 years	SFR= 15.62		

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 = $2.5 * [(10X + 4Y) / RF]$
2025-26(CAY)	12	19	22.00	22.27
2024-25(CAYm1)	12	13	16.00	26.88
2023-24(CAYm2)	9	13	16.00	22.19

C4. Faculty Cadre Proportion

- Faculty Cadre Proportion is 1(RF1): 2(RF2): 6(RF3)
- RF1= No. of Professors required = $1/9 * \text{No. of Faculty required to comply with 20:1 Student-Faculty ratio based on no. of students (S) as per C2 of this documents.}$
- RF2= No. of Associate Professors required = $2/9 * \text{No. of Faculty required to comply with 20:1 Student-Faculty ratio based on no. of students (S) as per section C2 of this documents.}$
- RF3= No. of Assistant Professors required = $6/9 * \text{No. of Faculty required to comply with 20:1 Student-Faculty ratio based on no. of students (S) as per section C2 of this documents.}$
- 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	5.00	4.00	3.00	14.00	23.00
2024-25	1.00	1.00	3.00	6.00	11.00	18.00
2023-24	1.00	1.00	3.00	4.00	11.00	17.00
Average	RF1=1.33	AF1=2.33	RF2=3.33	AF2=4.33	RF2=12.00	AF2=19.33

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	Mr.Ashish Shelake	Sr. Trainer	Graphix Technologies Pvt.Ltd Pune	Solid Works	30.00
2	Mr.Ketan Kadam	Sr. Trainer	Graphix Technologies Pvt.Ltd Pune	CATIA	50.00

(CAYm2)

(CAYm3)

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	9	2	3

2	No. of peer reviewed conference papers published	6	0	0
3	No. of books/book chapters published	3	0	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. Yogini Borole	NA	Mechatronics	First International Conference on NEXT-GEN AIML	ANRF (Anusandhan National research Funding agency)	2 days	1.50
Dr. Yogini Borole	Dr. Girish Allampallewar	Mechatronics	ATV(BAJA)	RAMBAL, Chennai	1 year	5.00
Dr. Yogini Borole	NA	Mechatronics	CEEE INAE	Infosys	1 year	0.50
Dr. Yogini Borole	NA	Mechatronics	Paper Publication	Shibaura Institute of Technology, Tokyo, Japan	1 year	2.40
Dr. Yogini Borole	NA	Mechatronics	Paper Publication	Shibaura Institute of Technology, Tokyo, Japan	1 year	3.60
						Amount received (Rs.):13.00

(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
Nil	Nil	Nil	Nil	Nil	Nil	0.00
						Amount received (Rs.):0.00

(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
Nil	Nil	Nil	Nil	Nil	Nil	0.00
						Amount received (Rs.):0.00

Total Amount (Lacs) Received for the Past 3 Years: 13.00

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
Nil	Nil	Nil	Nil	Nil	Nil	0.00
						Amount received (Rs.):0.00

(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
Nil	Nil	Nil	Nil	Nil	Nil	0.00
						Amount received (Rs.):0.00

(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
Nil	Nil	Nil	Nil	Nil	Nil	0.00
						Amount received (Rs.):0.00

Total amount (Lacs) received for the past 3 years: 0.00

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
Mr. Nilesh Dhobale	Lean Manufacturing Practices	1 Year	0.06	0.06	Faculty certified in Lean Manufacturing Practices and Contributes to curriculum enrichment
Mr. Vishal Kulkarni	Edgeline Championship (Gokart)	1 Year	2.76	2.76	Developed valuable hands-on experience in designing, fabricating, and testing Go-Karts
Mr. Vishal Kulkarni	Aravalli Terrain Vehicle Championship	1 Year	1.69	1.69	Enabled students to enhance their practical knowledge in vehicle modification, testing, and performance evaluation
Dr. Sonali Patil	World Robotics Championship Technoxian 2024	1 Year	0.14	0.14	Enhanced knowledge in electric drives, battery systems, and control, along with improved technical, teamwork, and problem-solving skills
			Amount received (Rs.): 4.65		

(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
Ms. Apurva ulhe	Faculty program on Gender Sensitization	5 Days	0.01	0.01	Improved awareness of gender equality and inclusiveness
Mr. Vishal Kulkarni	Indian Superkarting Championship	1 Year	1.77	1.77	Gained practical experience in Go-Kart design, fabrication, and performance testing
			Amount received (Rs.): 1.78		

(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
Mr. Vishal Kulkarni	Aravalli Terrain vehicle Championship (2023)	1 Year	1.97	1.97	Provided students with valuable hands-on experience in the design, fabrication, and testing of ATVs
Mr. Vishal Kulkarni	Auto India racing Championship (2023)	1 Year	0.56	0.56	Developed problem-solving skills by addressing real-time challenges during fabrication and dynamic events
			Amount received (Rs.): 2.53		

Total amount (Lacs) received for the past 3 years : 8.96

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	Software Lab	25	PCs with specifications: Intel Core i3 (3.1 GHz) Processor, Intel DG 61 Motherboard, 2 GB DDR3 RAM, 500 GB SATA HDD, LCD Monitor, Keyboard, Mouse, etc.	24 hours per w	Mrs. P. A. Patil	Lab Assistant	Diploma (E&TC)
2	Electrical Machines and Drives Lab	25	• 1 HP DC Shunt Motor (with mechanical loading arrangement) • 1 HP 3-Phase Induction Motor (with mechanical loading arrangement) • 2 HP AC Motor	12 hours per w	Mr. B. V. Kotgyale	Lab Assistant	B.E.
3	Embedded System Design Lab	25	• PIC Microcontroller Development Board 8051 • Microcontroller Development Board (with in-system programmer facility) • 8051 Kit (4-in-1)	16 hours per w	Mr. H. R. Mahadik	Lab Assistant	Graduate, Diploma in Hardw
4	Industrial Automation Lab	25	• Advanced PLC Programming Trainer Kit • HMI (Human Machine Interface) Module with Programming • SCADA Software • AC Servo Motor • X-Coordinate	06 hours per w	Mr. H. R. Mahadik	Lab Assistant	Graduate, Diploma in Hardw
5	Metrology Lab	25	• Optical Flat Monochromatic Light Unit • Auto-Collimator and Angle Decker • Tool Maker's Microscope • Profile Projector • Electronic Comparator/Trav	06 hours per w	Mr. B. B. Khavale	Lab Assistant	ITI
6	Heat and Mass Transfer Lab	25	• Thermal Conductivity of Insulating Powder Apparatus • Thermal Conductivity of Metal Rod Apparatus • Natural Convection Apparatus • Forced Convection	06 hours per w	Mr. B. B. Khavale	Lab Assistant	ITI
7	Engineering Metallurgy Lab/Solid Mechanics Lab (shared)	25	• Impact Testing Machine • Brinell Hardness Tester • Rockwell Hardness Tester • Universal Testing Machine (UTM) • Tensile Testing Machine	12 hours per w	Mr. S. L. Adsure	Technical Assistant	Diploma (Mechanical)
8	Thermodynamics Lab/ Hydraulics and Pneumatics Lab (shared)	25	• Joule's Experiment Apparatus • Bomb Calorimeter • Junker's Gas Calorimeter • Hydraulic Circuit Trainer • Pneumatic Circuit Trainer • PLC based Pneumatic	06 hours per w	Mr. P. S. Thombare	Technical Assistant	Diploma (Mechanical)

9	Dynamics Of Machinery Lab / Kinematics of Machinery Lab (shared)		25	• Shock Absorber Test Rig • Rion 2-Channel FFT Analyser • Motorised Gyroscope • Epicyclic Gear Train •	12 hours per w	Mr. S. L. Adsure	Technical Assistant	Diploma (Mechanical)
10	Fluid Mechanics Lab (shared)		25	• Bernoulli's Apparatus • Major/Minor Loss Apparatus • Reynold's Apparatus • Venturimeter & Orificemeter •	06 hours per w	Mr. S. L. Adsure	Technical Assistant	Diploma (Mechanical)
11	Workshop (shared)		25	• CNC Lathe Machine • Conventional Lathe Machines • Milling Machine • Radial Arm Drilling Machine •	03 hours per w	Mr. B. B. Khavale	Lab Assistant	ITI

D2. Safety Measures in Laboratories

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

Sr. No	Laboratory Name	Safety Measures
1	Software Lab	Basic safety measures: • Fire extinguishers, water and sand buckets, and first aid box are available in the department for emergency response. • Electrical safety is ensured through proper earthing and protection devices such as MCB and fuses. • Safety instructions and Do's and Don'ts boards are displayed in laboratories for student awareness. • CCTV surveillance is provided in all laboratories for safety and monitoring. • Students must check equipment before use and report any defects to the laboratory instructor. • Student login–logout registers and laboratory stock registers are maintained for monitoring usage and equipment inventory. • Students must properly switch off computers before leaving the laboratory. Lab specific safety measures: • Only authorized students are allowed to access the computers and network resources in the software laboratory. • Students must not tamper with power connections, LAN cables, UPS systems, or internal computer hardware. • Installation of unauthorized software or modification of system settings is strictly prohibited. • External storage devices must be scanned for viruses before use to prevent malware infection. • Food and beverages are not permitted inside the laboratory to protect computer equipment. • Students must properly log out and shut down the systems after use and report any hardware or software malfunction to the laboratory instructor.
2	Electrical Machines and Drives Lab	Basic safety measures: • Fire extinguishers, water and sand buckets, and first aid box are available in the department for emergency response. • Electrical safety is ensured through proper earthing and protection devices such as MCB and fuses. • Safety instructions and Do's and Don'ts boards are displayed in laboratories for student awareness. • CCTV surveillance is provided in all laboratories for safety and monitoring. • Students must check equipment before use and report any defects to the laboratory instructor. • Student login–logout registers and laboratory stock registers are maintained for monitoring usage and equipment inventory. • Students must properly switch off equipment before leaving the laboratory. Lab-specific safety measures: • Electrical connections for DC motors, induction motors, synchronous motors, alternators, and transformers are verified by the laboratory instructor before switching ON the supply. • Proper fastening of mechanical loading arrangements and couplings is ensured before operating electrical machines. • Students must keep hands, loose clothing, and tools away from rotating shafts and moving parts during machine operation. • Rated voltage, current, and load limits of machines must not be exceeded during experiments. • Power supply must be switched OFF before making or modifying circuit connections. • Any abnormal noise, vibration, overheating, or sparking must be immediately reported to the laboratory instructor.
3	Embedded System Design Lab	Basic safety measures: • Fire extinguishers, water and sand buckets, and first aid box are available in the department for emergency response. • Electrical safety is ensured through proper earthing and protection devices such as MCB and fuses. • Safety instructions and Do's and Don'ts boards are displayed in laboratories for student awareness. • CCTV surveillance is provided in all laboratories for safety and monitoring. • Students must check equipment before use and report any defects to the laboratory instructor. • Student login–logout registers and laboratory stock registers are maintained for monitoring usage and equipment inventory. • Students must properly switch off equipment before leaving the laboratory. Lab specific safety measures: • Circuit connections for microcontroller development boards and electronic circuit kits are verified by the laboratory instructor before switching ON the power supply. • Power supply must be switched OFF before making or modifying circuit connections. • Proper polarity and rated voltage levels are maintained to prevent damage to ICs and circuit kits. • Students must avoid short circuits and improper wiring during experiments. • Microcontroller boards, ICs, and electronic components must be handled carefully to prevent damage. • Any overheating, malfunction, or burning smell must be immediately reported to the laboratory instructor.
4	Industrial Automation Lab	Basic safety measures: • Fire extinguishers, water and sand buckets, and first aid box are available in the department for emergency response. • Electrical safety is ensured through proper earthing and protection devices such as MCB and fuses. • Safety instructions and Do's and Don'ts boards are displayed in laboratories for student awareness. • CCTV surveillance is provided in all laboratories for safety and monitoring. • Students must check equipment before use and report any defects to the laboratory instructor. • Student login–logout registers and laboratory stock registers are maintained for monitoring usage and equipment inventory. • Students must properly switch off equipment before leaving the laboratory. Lab specific safety measures: • Connections for experiments must be verified by the laboratory instructor before switching ON the power supply. • Power supply must be switched OFF before making or modifying connections. • Proper wiring, rated voltage, and polarity must be ensured to prevent equipment damage. • Any malfunction, abnormal noise, or overheating must be immediately reported to the laboratory instructor

5	<p>Metrology Lab</p> 	<p>Basic safety measures: • Fire extinguishers, water and sand buckets, and first aid box are available in the department for emergency response. • Electrical safety is ensured through proper earthing and protection devices such as MCB and fuses. • Safety instructions and Do's and Don'ts boards are displayed in laboratories for student awareness. • CCTV surveillance is provided in all laboratories for safety and monitoring. • Students must check equipment before use and report any defects to the laboratory instructor. • Student login–logout registers and laboratory stock registers are maintained for monitoring usage and equipment inventory. • Students must properly switch off equipment before leaving the laboratory. Lab specific safety measures: • Students must handle precision and basic measuring instruments carefully to prevent damage. • Proper calibration, rated limits and handling procedures must be followed while using all instruments. • Hands, tools, and loose objects must be kept away from sensitive surfaces and moving parts. • Connections and setup of all instruments must be verified by the laboratory instructor before switching ON the power supply. • Power supply must be switched OFF before making or modifying connections to any instrument. • Any malfunction, abnormal readings, or damage must be immediately reported to the laboratory instructor.</p>
6	<p>Heat and Mass Transfer Lab</p> 	<p>Basic safety measures: • Fire extinguishers, water and sand buckets, and first aid box are available in the department for emergency response. • Electrical safety is ensured through proper earthing and protection devices such as MCB, RCBO, and fuses. • Safety instructions and Do's and Don'ts boards are displayed in laboratories for student awareness. • CCTV surveillance is provided in all laboratories for safety and monitoring. • Students must check equipment before use and report any defects to the laboratory instructor. • Student login–logout registers and laboratory stock registers are maintained for monitoring usage and equipment inventory. • Students must properly switch off equipment before leaving the laboratory. Lab specific safety measures: • Avoid touching heated surfaces during and immediately after experiments to prevent burns. • Ensure power controllers are at zero before switching ON or OFF, and increase voltage gradually during experiments. • Start airflow before heating and maintain it briefly after turning off the heater to protect heating elements. • Gradually reduce power and allow equipment to cool completely before switching off the main supply. • Handle delicate instruments carefully to avoid breakage or miscalibration. • Keep hands, tools, and loose objects away from heated or moving parts. • All electrical connections and setups must be verified by the laboratory instructor before energizing the equipment, and any malfunction, abnormal heating, or damage must be immediately reported.</p>
7	<p>Engineering Metallurgy Lab /Solid Mechanics Lab (shared)</p> 	<p>Basic safety measures: • Fire extinguishers, water and sand buckets, and first aid box are available in the department for emergency response. • Electrical safety is ensured through proper earthing and protection devices such as MCB and fuses. • Safety instructions and Do's and Don'ts boards are displayed in laboratories for student awareness. • CCTV surveillance is provided in all laboratories for safety and monitoring. • Students must check equipment before use and report any defects to the laboratory instructor. • Student login–logout registers and laboratory stock registers are maintained for monitoring usage and equipment inventory. • Students must properly switch off equipment before leaving the laboratory. Lab specific safety measures: • Maintain a safe distance during impact and tensile testing, as specimens can shatter and eject metal fragments. • Ensure all specimens are securely clamped and safety guards are in place before applying load on the Universal Testing Machine or Torsion Testing Machine. • Keep hands and loose clothing clear of heavy weights, moving grips, and pinch points at all times. • Never exceed the maximum load capacity of any testing machine. • Report any hydraulic leaks or unusual mechanical noises to the instructor immediately.</p>
8	<p>Thermodynamics Lab/ Hydraulics and Pneumatics Lab (shared)</p> 	<p>Basic safety measures: • Fire extinguishers, water and sand buckets, and first aid box are available in the department for emergency response. • Electrical safety is ensured through proper earthing and protection devices such as MCB and fuses. • Safety instructions and Do's and Don'ts boards are displayed in laboratories for student awareness. • CCTV surveillance is provided in all laboratories for safety and monitoring. • Students must check equipment before use and report any defects to the laboratory instructor. • Student login–logout registers and laboratory stock registers are maintained for monitoring usage and equipment inventory. • Students must properly switch off equipment before leaving the laboratory. Lab specific safety measures: • Handle pressurized vessels (such as the Bomb Calorimeter) with extreme care; ensure all seals and threads are perfectly secure before pressurizing with oxygen. • Follow strict safety protocols when handling combustible gases and ignition sources for the Junker's Gas Calorimeter, and ensure proper ventilation in the laboratory when burning fuels or releasing gases. • Keep clear of falling weights, moving pulleys, and mechanical parts when operating Joule's Experiment Apparatus, and avoid touching the calorimeter block during electrical heating. • Inspect all hoses, fittings, and couplings for leaks or wear before operating the Hydraulic Circuit Trainer, and never use your bare hands to check for high-pressure fluid leaks. • Ensure all air lines are securely fastened before turning on the main air supply for the Pneumatic Circuit Trainer, and never disconnect hoses while the system is under pressure. • Always isolate the power supply before making, altering, or troubleshooting electrical and data connections on the PLC based Pneumatic Circuit Trainer. • Always depressurize hydraulic and pneumatic systems completely before dismantling circuits, modifying setups, or leaving the workstation. • Continuously monitor temperature gauges, pressure dials, and fluid levels to prevent overheating, thermal hazards, and system overflows. • Allow heated thermodynamic apparatuses to cool completely before touching, cleaning, or disassembling them.</p>
9	<p>Dynamics of Machinery Lab / Kinematics of Machinery Lab (shared)</p> 	<p>Basic safety measures: • Fire extinguishers, water and sand buckets, and first aid box are available in the department for emergency response. • Electrical safety is ensured through proper earthing and protection devices such as MCB and fuses. • Safety instructions and Do's and Don'ts boards are displayed in laboratories for student awareness. • CCTV surveillance is provided in all laboratories for safety and monitoring. • Students must check equipment before use and report any defects to the laboratory instructor. • Student login–logout registers and laboratory stock registers are maintained for monitoring usage and equipment inventory. • Students must properly switch off equipment before leaving the laboratory. Lab specific safety measures: • Ensure all safety guards are in place and mechanical linkages are fully secure before turning on motorized equipment. • Keep hands, hair, and loose clothing strictly away from fast-rotating parts, such as the motorized gyroscope, exposed gear trains, and cams. • Stand clear of test rigs during operation to avoid injury from vibrations, moving linkages, or unexpected component failure. • Do not alter the speed or load of the equipment beyond the prescribed experimental limits. • Ensure the power supply is switched OFF before adjusting belts, gears, or linkages.</p>

10	Fluid Mechanics Lab (shared)	Basic safety measures: • Fire extinguishers, water and sand buckets, and first aid box are available in the department for emergency response. • Electrical safety is ensured through proper earthing and protection devices such as MCB and fuses. • Safety instructions and Do's and Don'ts boards are displayed in laboratories for student awareness. • CCTV surveillance is provided in all laboratories for safety and monitoring. • Students must check equipment before use and report any defects to the laboratory instructor. • Student login–logout registers and laboratory stock registers are maintained for monitoring usage and equipment inventory. • Students must properly switch off equipment before leaving the laboratory. Lab specific safety measures: • Ensure all electrical pumps, switches, and connections are properly grounded and kept safely away from water sources. • Handle delicate glass components (such as manometer tubes and rotameters) carefully to avoid breakage. • Open and close hydraulic valves gradually to prevent water hammer, which can damage the pipe networks and gauges. • Exercise high caution when handling and heating oil in the Redwood Viscometer to avoid severe burns and fire hazards.
11	Workshop (shared)	Basic safety measures: • Fire extinguishers, water and sand buckets, and first aid box are available in the department for emergency response. • Electrical safety is ensured through proper earthing and protection devices such as MCB and fuses. • Safety instructions and Do's and Don'ts boards are displayed in laboratories for student awareness. • CCTV surveillance is provided in all laboratories for safety and monitoring. • Students must check equipment before use and report any defects to the laboratory instructor. • Student login–logout registers and laboratory stock registers are maintained for monitoring usage and equipment inventory. • Students must properly switch off machines before leaving the workshop. Lab specific safety measures: • Mandatory use of closed-toe safety shoes, safety glasses, and proper workshop attire (no loose clothing, ties, or hanging jewelry). • Always use appropriate welding shields, heavy-duty gloves, and protective aprons during arc welding to protect against UV radiation and hot sparks; ensure adequate workspace ventilation. • Never leave a running machine unattended; always power off before making adjustments, measuring workpieces, or cleaning. • Always remove chuck keys and wrenches immediately after securing the workpiece on lathes and drilling machines. • Do not clear sharp metal chips with bare hands; always use a brush or specifically designed tool to avoid severe cuts.

D3. Project Laboratory/Research Laboratory

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)	360	18	10	0	44
2024-25(CAYm1)	420	21	10	0	38
2025-26(CAY)	510	26	13	0	40

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	0	183168.00	0	0	0	0	0	0
Library	500000.00	200216.88	100000.00	449707.00	500000.00	465599.00	230000.00	0
Laboratory equipment	8600000.00	13836259.29	5986000.00	5446620.81	24435000.00	26806716.53	7446000.00	7030831.38
Teaching and non-teaching staff salary	118946085.90	115225042.00	86364310.00	101411795.00	74300480.00	78215634.00	57229560.00	62022284.00

Outreach Programs	150000.00	130628.32	150000.00	66658.00	125000.00	51667.88	200000.00	81585.09
R&D	350000.00	510602.28	910000.00	778880.40	505000.00	588291.62	575000.00	431249.59
Training, Placement and Industry linkage	50000.00	332593.14	100000.00	507679.00	705000.00	82605.58	300000.00	70587.84
SDGs	2435000.00	3365430.12	1800000.00	2616788.67	5675000.00	2989077.00	5260000.00	4297680.00
Entrepreneurship	103000.00	15500.00	75000.00	29000.00	85000.00	18500.00	0	0
Others, specify	45337000.00	40805641.28	33142000.00	35750305.61	37760600.00	31130104.74	22812001.00	35284284.807
Total	176471085.90	174605081.31	128627310.00	147057434.49	144091080.00	140348196.35	94052561.00	109218502.707

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	520000.00	286268.00	1400000.00	1350346.00	1150000.00	727470.00	1020000.00	896368.00
Software	0	0	0	0	15000.00	0	0	0
SDGs	100000.00	276466.00	0	212718.00	200000.00	190574.00	225000.00	106745.00
Support for faculty development	75000.00	5000.00	30000.00	0	5000.00	4535.00	0	0
R & D	10000.00	0	10000.00	13820.00	10000.00	0	10000.00	0
Industrial Training, Industry expert, Internship	15000.00	10000.00	10000.00	8750.00	10000.00	8000.00	5000.00	4500.00
Miscellaneous Expenses*	1187000.00	1300187.00	547500.00	1367266	1268500.00	1170635.00	990000.00	812921.00
Total	1907000.00	1877921.00	1997500.00	2952900.00	2658500.00	2101214.00	2250000.00	1820534.00