

NATIONAL BOARD OF ACCREDITATION

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

Program Name : Electrical Engineering	Discipline : Engineering & Technology
Level : Under Graduate	Tier : 2
Application No : 11492	Date of Submission : 29-01-2026

PART A- Profile of the Institute

A1.Name of the Institute : Marathwada Mitra Mandals College of Engineering	
Year of Establishment : 2006	Location of the Institute: Pune
A2. Institute Address :Marathwada Mitra Mandal College of Engineering , Sr.No. 18, Plot No. 5/3, CTS No.205,Behind Vandevi Temple,Karvenagar, Pune - 411052	
City:Pune	State:Maharashtra
Pin Code:411052	Website:www.mmcoe.edu.in
Email:nba@mmcoe.edu.in	Phone No(with STD Code):020-25479811
A3. Name and Address of the Affiliating University (if any):	
Name of the University : Savitribai Phule Pune University, Pune	City: Pune
State : Maharashtra	Pin Code: 411007
A4. Type of the Institution : Autonomous CAY(2024-25)	
A5. Ownership Status : Self financing	

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

- No. of UG programs: 6
- No. of PG programs: 7

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	Computer Application	PG	Master in Computer Applications	2008	2017	Computer Application
2	Engineering & Technology	UG	Artificial Intelligence and Data Science	2021	--	Artificial Intelligence and Data Science
3	Engineering & Technology	PG	Computer Engineering	2012	--	Computer Engineering
4	Engineering & Technology	UG	Computer Engineering	2006	--	Computer Engineering
5	Engineering & Technology	PG	Data Science	2024	--	Information Technology
6	Engineering & Technology	PG	Design Engineering	2023	--	Mechanical Engineering
7	Engineering & Technology	UG	Electrical Engineering	2013	--	Electrical Engineering
8	Engineering & Technology	UG	Electronics and Telecommunication Engineering	2006	--	Electronics and Telecommunication Engineering
9	Engineering & Technology	UG	Information Technology	2006	--	Information Technology
10	Engineering & Technology	UG	Mechanical Engineering	2006	--	Mechanical Engineering
11	Engineering & Technology	PG	Power Electronics & Drives	2024	--	Electrical Engineering
12	Engineering & Technology	PG	VLSI & Embedded Systems	2024	--	Electronics and Telecommunication Engineering
13	Management	PG	Master of Business Administration	2007	2025	Management

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
Electrical Engineering	No	Electrical Engineering	UG
Mechanical Engineering	No	Mechanical 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 APPROVAL DETAILS	ACCREDITATION STATUS	FROM	TO	NO. OF TIMES PROGRAM ACCREDITED	PROGRAM DURATION
1	Electrical Engineering	UG	2013 / --	60	No	NA	60	2013	F.No. Western/1-1390365433/2013/EOA/Corrigendum-1	Granted accreditation for 3 years for the period (specify period)	2023	2026	2	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 :	Mrunal Deshpande
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	58	53	44	57	39	18	43
N2=Number of students admitted in 2nd year in the same batch via lateral entry including leftover seats	0	13	22	9	27	48	23
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	7	9	7	8	6	6	2
Total number of students admitted in the program (N1 + N2 + N3 + N4) - excluding those admitted through multiple entry and exit points.	65	75	73	74	72	72	68

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	7	108.33
2024-25 (CAYm1)	60	53	9	103.33
2023-24 (CAYm2)	60	44	7	85.00

Average [(ER1 + ER2 + ER3) / 3] = 98.89≅ 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).	87.00	108.00	83.00
B=No. of students who graduated from the program in the stipulated course duration	44.00	62.00	68.00
Success Rate (SR)= (B/A) * 100	50.57	57.41	81.93

Average SR of three batches ((SR_1+ SR_2+ SR_3)/3): 63.30

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)
X=(Mean of 1st 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 1st year/10)	7.44	6.76	5.92
Y=Total no. of successful students	62.00	46.00	56.00
Z=Total no. of students appeared in the examination	62.00	51.00	65.00
API [X*(Y/Z)]	7.44	6.10	5.10

Average API[(AP1+AP2+AP3)/3] : 6.21

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 2nd year/10)	5.97	6.62	5.40
Y=Total no. of successful students	64.00	59.00	55.00
Z=Total no. of students appeared in the examination	68.00	65.00	71.00
API [X * (Y/Z)]	5.62	6.01	4.18

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)
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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)	7.75	7.05	6.66
Y=Total no. of successful students	55.00	48.00	68.00
Z=Total no. of students appeared in the examination	59.00	55.00	71.00
API [X*(Y/Z)]:	7.22	6.15	6.38

Average API [(AP1 + AP2 + AP3)/3] : 6.58

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	87.00	108.00	83.00
X=No. of students placed	28.00	29.00	43.00
Y=No. of students admitted to higher studies	3.00	1.00	1.00
Z= No. of students taking up entrepreneurship	0.00	1.00	3.00
Placement Index(P) = (((X + Y + Z)/FS) * 100):	35.63	28.70	56.63

Average Placement Index = (P_1 + P_2 + P_3)/3: 40.32 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	Vilas Shamrao Bugade	XXXXXXXX05B	Ph.D	BATU Lonere	Electrical Engineering	10/06/2024	1.7	Associate Professor	Associate Professor	10/06/2024	Regular	Yes		No
2	Mrunal Deshpande	XXXXXXXX99D	Ph.D	Anna University	Electrical Engineering	04/10/2023	2.3	Professor	Professor	04/10/2023	Regular	Yes		Yes
3	Anand Vijay Satpute	XXXXXXXX00P	Ph.D	Sarrvepalli Radhakrishnan UV, Bhopal	Electrical Engineering	01/07/2022	3.6	Associate Professor	Associate Professor	01/07/2022	Regular	Yes		No
4	Sandeep Shankar Nimbalkar	XXXXXXXX23C	M.Tech	Savitribai Phule Pune University	Electrical Engineering Power Electronics and Drives	03/07/2025	0.6	Assistant Professor	Assistant Professor		Regular	Yes		No
5	Akshay Mohan Suryawanshi	XXXXXXXX92F	M.E.	Dr. Babasheb Ambedkar Marathwada University Aurangabad	Control System	29/06/2015	10.6	Assistant Professor	Assistant Professor		Regular	Yes		No
6	Pritam Dattatraya Deshmukh	XXXXXXXX09G	M.E.	Savitribai Phule Pune University	Electrical Engineering	16/11/2020	5.2	Assistant Professor	Assistant Professor		Regular	Yes		No

7	Ajay Tulshiram Ingle	XXXXXXXX05D	M.E.	Mumbai University	Power Electronics and Drives	12/12/2022	3.1	Assistant Professor	Assistant Professor		Regular	Yes		No
8	Ajay Kondibhau Lohate	XXXXXXXX41C	M.E.	Savitribai Phule Pune University	Power Electronics and Drives	30/11/2020	5.1	Assistant Professor	Assistant Professor		Regular	Yes		No
9	Sagar Sanjay Patil	XXXXXXXX06M	M.Tech	Shivaji University Kolhapur	Power Systems	19/06/2024	1.7	Assistant Professor	Assistant Professor		Regular	Yes		No
10	Bhagyashree Bhagwat Niture	XXXXXXXX40L	M.E.	Savitribai Phule Pune University	Power Systems	16/11/2020	5.2	Assistant Professor	Assistant Professor		Regular	Yes		No
11	Supriya Nilesh Thakur	XXXXXXXX28A	Ph.D	Sandip University, SOET Nashik	Electrical and Electronics Engineering	16/06/2025	0.7	Assistant Professor	Assistant Professor		Regular	Yes		No
12	Deepa Manoj Lohiya	XXXXXXXX65C	M.Tech	RGPV University	Power Electronics	16/06/2025	0.7	Assistant Professor	Assistant Professor		Regular	Yes		No
13	Renuka Prasanna Kelapure	XXXXXXXX22C	M.E.	Savitribai Phule Pune University	Power Systems	23/06/2025	0.6	Assistant Professor	Assistant Professor		Regular	Yes		No
14	Nikhil Suhas Shelke	XXXXXXXX23D	M.Tech	Dr. Babasaheb Ambedkar Technological University Lonere Raigad Maharashtra	Electrical Engineering	07/07/2025	0.6	Assistant Professor	Assistant Professor		Regular	Yes		No
15	Akshay Suresh Shirbhate	XXXXXXXX77E	M.E.	Dr. Babasheb Ambedkar Marathwada University Aurangabad	Power Systems	15/06/2023	1.11	Assistant Professor	Assistant Professor		Regular	No	30/05/2025	No
16	Christina Paulson Thottan	XXXXXXXX81K	M.Tech	Mahatma Gandhi University	Industrial Drives and Control	30/12/2016	9	Assistant Professor	Assistant Professor		Regular	Yes		No
17	HariPriya Hrushikesh Kulkarni	XXXXXXXX99J	Ph.D	Bharati Vidyapeeth Pune	Electrical Engineering	19/04/2022	1.3	Professor	Professor		Regular	No	20/07/2023	No
18	Pranoti Dipak Vaidya	XXXXXXXX79G	M.E.	Savitribai Phule Pune University	Power Electronics and Drives	09/06/2022	2.11	Assistant Professor	Assistant Professor		Regular	No	30/05/2025	No
19	Anagha Rahul Soman	XXXXXXXX05L	Ph.D	Bharati Vidyapeeth Pune	Electrical Engineering	01/10/2021	2.11	Associate Professor	Associate Professor	01/10/2021	Regular	No	24/09/2024	No
20	Puja Shantanu Gurav	XXXXXXXX17N	M.E.	Savitribai Phule Pune University	Power Systems	19/06/2024	0.7	Assistant Professor	Assistant Professor		Regular	No	07/02/2025	No
21	Sourav Das	XXXXXXXX82F	M.Tech	National Institute of Technology Durgapur	Power Systems	30/06/2023	0.5	Assistant Professor	Assistant Professor		Regular	No	23/12/2023	No
22	Sunita Abhijit Upasani	XXXXXXXX44G	M.E.	Savitribai Phule Pune University	Power Systems	25/08/2006	19.5	Assistant Professor	Assistant Professor		Regular	Yes		No

23	Akshay Ambadas Shinde	XXXXXXXX49J	M.E.	Savitribai Phule Pune University	Power Systems	10/06/2024	0.4	Assistant Professor	Assistant Professor		Regular	No	23/10/2024	No
24	Samarpita Sharad Bakshi	XXXXXXXX06C	M.Tech	Savitribai Phule Pune University	Power Systems	17/08/2021	2.9	Assistant Professor	Assistant Professor		Regular	No	30/05/2024	No
25	Vijay Nanaji Gohokar	XXXXXXXX22G	Ph.D	Amravati University	Reconfiguration of Distribution Network for Efficient Management of system	13/06/2017	7.10	Professor	Professor	13/06/2017	Regular	No	30/04/2025	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 Department1 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	66
UG1.C	66	66	66
UG1.D	66	66	66
UG1: Electrical Engineering	198	198	198
PG1.A	6	6	0
PG1.B	6	0	0
PG1: Power Electronics & Drives	12	6	0
DS=Total no. of students in all UG and PG programs in the Department	210	204	198
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= 210	S2= 204	S3= 198
DF=Total no. of faculty members in the Department	16	14	13
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= 16	F2= 14	F3= 13

Description	CAY(2025-26)	CAYm1 (2024-25)	CAYm2 (2023-24)
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= 16.15	SFR2= 17.00	SFR3= 18.00
Average SFR for 3 years	SFR= 17.05		

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 = $2.5 \times [(10X + 4Y) / RF]$
2025-26(CAY)	4	12	10.00	22.00
2024-25(CAYm1)	4	10	10.00	20.00
2023-24(CAYm2)	3	10	9.00	19.44

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	1.00	1.00	2.00	2.00	7.00	13.00
2024-25	1.00	2.00	2.00	2.00	6.00	10.00
2023-24	1.00	1.00	2.00	2.00	6.00	10.00
Average	RF1=1.00	AF1=1.33	RF2=2.00	AF2=2.00	RF2=6.33	AF2=11.00

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. Sandeep Shankar Nimbalkar	Adjunct Faculty	TATA Technologies (Sr Mgr)	Electric Mobility, Internship, Electrical Machines II	72.00

(CAYm2)

S.No	Name of the Person	Designation	Organization	Name of the Course	No. of hours handled
1	Ms. Prajakta Kanegaonkar	Adjunct Faculty	IMERT (Faculty)	Industrial Technology and Management, Communication and Development, Project Management	62.00

(CAYm3)

S.No	Name of the Person	Designation	Organization	Name of the Course	No. of hours handled
1	Dr. S. D. Bhide	Adjunct Faculty	Cummins College of Engineering (Retired Professor)	SE - Project Based Learning TE - Project Management (AC VI) BE - Project Assessment	120.00

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	10	12	1
2	No. of peer reviewed conference papers published	3	1	3
3	No. of books/book chapters published	0	0	3

C7. Sponsored Research Project

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

(CAYm1)

(CAYm2)

(CAYm3)

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

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)

(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
Ms. P. D. Vaidya		Electrical Engineering	Providing Laboratory Facility for Engineering College Students	Universal Engineering College,Pune	2 days	0.53
						Amount received (Rs.):0.53

(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
Mr. A. K. Lohate		Amrut Vahini College of Engineering, Sangamner	Workshop on PLC-SCADA	Amrut Vahini College of Engineering, Sangamner	4 days	0.06
Dr. H. H. Kulkarni	Dr. A. V. Satpute, Ms. P. D. Vaidya	Foundation for Make it Happens Center for Invention, Innovation and Incubation	Electric Vehicle Workshop	C centric learning	9 hours	0.18
Dr. H. H. Kulkarni	Dr. A. V. Satpute	Matoshri Institute of Technology, Yeola	Guest Lecture	Matoshri Institute of Technology, Yeola	1 day	0.03
Dr. H. H. Kulkarni	Mr. A. K. Lohate	TIF Labs Pvt Ltd., Hydrabad	IOT trainer kits	TIF Labs Pvt Ltd., Hydrabad	3 years	3.75
						Amount received (Rs.):4.02

Total amount (Lacs) received for the past 3 years: 4.55

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
Ms. P. S. Gurav	Dexterity 2K24-25	01 Day	0.33	0.33	Working Model development
			Amount received (Rs.): 0.33		

(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
Mr. A. M. Suryawanshi	Effi-Cycle 2023-24	12 Months	6.58	6.58	Working Model development
Mr. A. M. Suryawanshi	Dexterity 2K23-24	1 Day	0.63	0.38	Working Model development
			Amount received (Rs.): 7.21		

(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. A. M. Suryawanshi	Effi-Cycle 2022-23	12 Months	6.21	6.21	Working Model development
Mr. A. M. Suryawanshi	Dexterity 2K22-23	1 Day	0.54	0.54	Working Model development
			Amount received (Rs.): 6.75		

Total amount (Lacs) received for the past 3 years : 14.29

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	MB 211A - Computer Lab	25	1. Intel core i5-4690 processor system, 500 GB HDD, 8 GB DDR3 RAM, 20" LED Display, Asus G210 1 GB	PSOC-6Hrs, AI	Mr. S. B. Somwanshi	Technical Assistant	BE (Electrical)
2	MB 111A - Automation and Control Lab	25	1. Integrated Control Panel system with Allen Bradley PLC and related switchgear 2. Allen Bradley PLC	PLC&SCADA-t	Mr. S. B. Somwanshi	Technical Assistant	BE (Electrical)
3	MB 109 -Power Electronics and Control Lab	25	1. Power Scope (SC-2700) 2. Three Phase Voltage Source Inverter (120° and 180° Mode) 3. Arbitrary	ACS-6Hrs, ADI	Mr. S. S. Bhise	Technical Assistant	ITI Electrical, BA
4	MB 113A - Electrical Machines Lab	25	1. Synchronizing panel for synchronization of two alternators with mains supply 2. 3 HP, 230 V, 1500 rpm,	EMI-12Hrs, EM	Mr. A. S. Patil	Workshop Instructor	ITI
5	MB 113B - High Voltage Engineering Lab	25	1. Sphere Gap Assembly unit with microscale 2. High Voltage AC Transformer, 100 KV, 50 mA 3.	MS-12Hrs	Mr. A. S. Patil	Workshop Instructor	ITI
6	MB 114 - Power System Lab	25	1. Long, Medium and Short Transmission line Models 2. Experimental set up for measurement of sequence	PS-8Hrs, PBL-	Mr. A. S. Patil	Workshop Instructor	ITI
7	MB 112 - Sustainable E- Mobility	25	1. Electrical Vehicle Motors and Drives Workbench 2. Regenerative Charging and Braking Training System 3.	EM I- 6Hrs	Mr. S. S. Bhise	Technical Assistant	ITI Electrical, BA
8	MB 115 - Engineering Exploration Lab	25	1. DC Voltmeter - DC Voltmeter, (0-150-300V), AE Make 2. DC Ammeter - DC Ammeter, (0-5-10A), AE Make 3.	EEL-24Hrs	Ms. Swapnali Ronge	Lab Assistant	MSc Chemistry

D2. Safety Measures in Laboratories

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

Sr. No	Laboratory Name	Safety Measures
1	MB 211A - Computer Lab	1.Board on Do's and Don'ts 2.Board on First Aid Treatment for Electric Shock 3.Electrical circuits protected by MCBs 4.Lab Earthing 5.CCTV Surveillance
2	MB 111A -Automation and Control Lab	1.Board on Do's and Don'ts 2.Board on First Aid Treatment for Electric Shock 3.Electrical circuits protected by MCBs 4.Lab Earthing 5.CCTV Surveillance 6. First Aid Box 7. Fire Extinguisher
3	MB 109 - Power Electronics and Control Lab	1.Board on Do's and Don'ts 2.Board on First Aid Treatment for Electric Shock 3.Electrical circuits protected by MCBs 4.Lab Earthing 5.CCTV Surveillance 6.First Aid Box
4	MB 113A - Electrical Machines Lab	1.Board on Do's and Don'ts 2.Board on First Aid Treatment for Electric Shock 3.Electrical circuits protected by MCBs 4.Lab Earthing 5.CCTV Surveillance 6. First Aid Box 7. Safety mats

5	MB 113B - Power System Lab	1.Board on Do's and Don'ts 2.Board on First Aid Treatment for Electric Shock 3.Electrical circuits protected by MCBs 4.Lab Earthing 5.CCTV Surveillance
6	MB 114 - High Voltage Engineering Lab	1.Board on Do's and Don'ts 2.Board on First Aid Treatment for Electric Shock 3.Electrical circuits protected by MCBs 4.Lab Earthing 5.Rubber Mats 6.Fire Extinguisher 7.CCTV Surveillance 8.Safety Cage
7	MB 112 - Sustainable E-Mobility Lab	1.Board on Do's and Don'ts 2.Board on First Aid Treatment for Electric Shock 3.Electrical circuits protected by MCBs 4.Lab Earthing 5.CCTV Surveillance 6. First Aid Box
8	MB 115 - Engineering Exploration Lab	1.Board on Do's and Don'ts 2.Board on First Aid Treatment for Electric Shock 3.Electrical circuits protected by MCBs 4.Lab Earthing 5.First Aid Box

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)	540	27	18	16	65
2024-25(CAYm1)	660	33	19	16	56
2025-26(CAY)	900	45	26	21	56

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	38.76	2500	0	830	0	0	0
Library	41.42	36.82	48.17	24.95	36.83	15.40	15.42	23.24
Laboratory equipment	100.77	173.60	150.64	48.78	71.84	135.84	147.10	377.67
Teaching and non-teaching staff salary	2357.62	2033.23	2403.03	1893.32	1870.92	1649.73	1686.34	1452.62

Outreach Programs	5.77	2.47	3.85	3.15	7.61	9.09	5.72	1.23
R&D	70.80	38.78	70.15	43.43	50.65	28.91	58.50	29.65
Training, Placement and Industry linkage	69.35	53.74	91.76	52.38	118.55	107.79	60.80	51.09
SDGs	19.04	25.13	16.84	13	12.67	11.88	9.52	14.41
Entrepreneurship	4.10	1.21	3.75	1.31	0	1.95	0	0
Others, specify	624.98	569.39	743.49	513.93	819.52	499.41	350.65	559.46
Total	3293.85	2973.13	6031.68	2594.25	3818.59	2460.00	2334.05	2509.37

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	31	21.35	0.65	0	15.45	4.79	21.71	3.09
Software	0	2	0	3.80	1.60	1.07	0	1.06
SDGs	1.55	0.52	1.72	1.49	1.80	0.65	1.40	1.44
Support for faculty development	4.25	0.74	4.85	2.61	1.08	0.64	3.05	1.89
R & D	5	0	5.90	0	0.60	6.58	7.50	0
Industrial Training, Industry expert, Internship	2.40	2.96	12.70	5.78	4.29	3.20	2.90	2.62
Miscellaneous Expenses*	1.35	8.42	14.61	11.22	5.97	9.65	3.70	11.03
Total	45.55	35.99	40.43	24.90	30.79	26.58	40.26	21.13