

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 : 1
Application No : 11511	Date of Submission : 27-01-2026

PART A- Profile of the Institute

A1.Name of the Institute : Yeshwantrao Chavan College of Engineering, Nagpur	
Year of Establishment : 1984/1993	Location of the Institute: Wanadongri 441110
A2. Institute Address :WANADONGRI, HINGNA ROAD, NAGPUR MAHARASHTRA NAGPUR 441110	
City:--Select--	State:Maharashtra
Pin Code:441110	Website:WWW.YCCE.EDU
Email:principal@ycce.edu	Phone No(with STD Code):07104-237919234623
A3. Name and Address of the Affiliating University (if any):	
Name of the University : RASHTRASANT TUKADOJI MAHARAJ NAGPUR UNIVERSITY, NA	City: Nagpur
State : Maharashtra	Pin Code: 440033
A4. Type of the Institution : Autonomous CAY(2010-11)	
A5. Ownership Status : Self financing	

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

- No. of UG programs: **14**
- No. of PG programs: **10**

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	--	Computer Technology
2	Engineering & Technology	UG	Artificial Intelligence and Machine Learning	2021	--	Computer Science and Engineering
3	Engineering & Technology	PG	Automation & Robotics	2023	--	Mechanical Engineering
4	Engineering & Technology	PG	CAD/CAM	2004	2023	Mechanical Engineering
5	Engineering & Technology	UG	Civil Engineering	1984	--	Civil Engineering
6	Engineering & Technology	PG	Communication Engineering	2010	2024	Electronics and Telecommunication Engineering
7	Engineering & Technology	UG	Computer Science and Design	2021	--	Information Technology
8	Engineering & Technology	UG	Computer Science and Engineering	2020	--	Computer Science and Engineering
9	Engineering & Technology	UG	Computer Science and Engineering (Internet of Things)	2022	--	Computer Technology

10	Engineering & Technology	UG	Computer Technology	1985	--	Computer Technology
11	Engineering & Technology	PG	Data Sciences	2023	--	Computer Technology
12	Engineering & Technology	UG	Electrical Engineering	1986	--	Electrical Engineering
13	Engineering & Technology	UG	Electronics & Communication Engineering	2001	--	Electronics and Telecommunication Engineering
14	Engineering & Technology	PG	Electronics and Communication (VLSI Design)	2023	2024	Electronics Engineering
15	Engineering & Technology	UG	Electronics Engineering	1984	--	Electronics Engineering
16	Engineering & Technology	UG	Electronics Engineering (VLSI Design and Technology)	2023	--	Electronics Engineering
17	Engineering & Technology	PG	Environmental Engineering	2010	--	Civil Engineering
18	Engineering & Technology	UG	Industrial IoT	2021	2022	Electronics Engineering
19	Engineering & Technology	UG	Information Technology	2001	--	Information Technology
20	Engineering & Technology	PG	Intergrated Power Systems	2004	--	Electrical Engineering
21	Engineering & Technology	UG	Mechanical Engineering	1986	--	Mechanical Engineering
22	Engineering & Technology	PG	Structural Engineering	1996	--	Civil Engineering
23	Engineering & Technology	PG	VLSI Design	2025	--	Electronics and Telecommunication Engineering
24	Management	PG	Masters of Business Administration	2023	--	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	1986 / --	60	Yes	2021	120	2021	F.No. Western/1-44643651977/2025/EOA dated 11/04/2025 (Current Approval of 120)	Granted accreditation for 3 years for the period (specify period)	2023	2026	6	4

Sanctioned Intake for Last Five Years for the Intergrated Power Systems	
Academic Year	Sanctioned Intake
2025-26	120
2024-25	120
2023-24	120
2022-23	120
2021-22	120
2020-21	180

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 :	DR. SNEHAL PANJABRAO GAWANDE
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)	120	120	120	120	120	180	180
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	135	128	135	129	115	134	187
N2=Number of students admitted in 2nd year in the same batch via lateral entry including leftover seats	0	26	21	24	34	87	31
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	0	0	0	0	0	0	1
Total number of students admitted in the program (N1 + N2 + N3 + N4) - excluding those admitted through multiple entry and exit points.	135	154	156	153	149	221	219

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)	120	120	0	100.00
2024-25 (CAYm1)	120	113	0	94.17
2023-24 (CAYm2)	120	117	0	97.50

Average [(ER1 + ER2 + ER3) / 3] = 97.22≅ 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).	154.00	267.00	219.00
B=No. of students who graduated from the program in the stipulated course duration	101.00	181.00	197.00
Success Rate (SR)=(B/A) * 100	65.58	67.79	89.95

Average SR of three batches ((SR_1+ SR_2+ SR_3)/3): 74.44

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)	7.98	7.74	7.39
Y=Total no. of successful students	85.00	111.00	109.00
Z=Total no. of students appeared in the examination	128.00	135.00	129.00
API [X*(Y/Z)]	5.30	6.36	6.24

Average API [(AP1+AP2+AP3)/3] : 5.97

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)	7.83	7.67	7.42
Y=Total no. of successful students	107.00	112.00	109.00
Z=Total no. of students appeared in the examination	132.00	133.00	128.00
API [X * (Y/Z)]	6.35	6.46	6.32

Average API [(AP1 + AP2 + AP3)/3] : 6.38

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)
----------------------	-----------------	-----------------	-----------------

$X = (\text{Mean of 3rd year grade point average of all successful students on a 10-point scale}) \text{ or } (\text{Mean of the percentage of marks of all successful students in 3rd year}/10)$	7.89	7.57	7.72
$Y = \text{Total no. of successful students}$	103.00	103.00	188.00
$Z = \text{Total no. of students appeared in the examination}$	112.00	109.00	203.00
$API [X*(Y/Z)]:$	7.26	7.15	7.15

Average API $[(AP1 + AP2 + AP3)/3] : 7.19$

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)
$FS^* = \text{Total no. of final year students}$	154.00	267.00	211.00
$X = \text{No. of students placed}$	81.00	118.00	140.00
$Y = \text{No. of students admitted to higher studies}$	6.00	8.00	6.00
$Z = \text{No. of students taking up entrepreneurship}$	2.00	3.00	1.00
$\text{Placement Index}(P) = ((X + Y + Z)/FS) * 100:$	57.79	48.31	69.67

Average Placement Index $= (P_1 + P_2 + P_3)/3: 58.59$ 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. SNEHAL PANJABRAO GAWANDE	XXXXXXXX70G	Ph.D	RTMNU	FACTS	07/01/2008	18	Lecturer	Associate Professor	07/02/2024	Regular	Yes		Yes
2	DR. RAVINDRA MADHUKAR MOHARIL	XXXXXXXX95M	Ph.D	VNIT, Nagpur	Renewable Energy Sources	14/08/1989	36.5	Lecturer	Professor	04/07/2009	Regular	Yes		No
3	DR. SUMANT GOPALRAO KADWANE	XXXXXXXX73Q	Ph.D	BIT, MESRA	Control System	01/11/2010	15.2	Associate Professor	Professor	20/02/2015	Regular	Yes		No
4	DR. SANJEEV SHARAD GOKHALE	XXXXXXXX82N	Ph.D	VNIT, Nagpur	Power System	01/07/1992	33.7	Lecturer	Associate Professor	01/07/2006	Regular	Yes		No
5	DR. PRAFULLACHANDRA MADHUKAR MESHARAM	XXXXXXXX15P	Ph.D	VNIT, Nagpur	Power Electronics	01/07/1992	33.7	Lecturer	Associate Professor	01/10/2005	Regular	Yes		No

6	DR. (MRS) SARALA PRAFULLA ADHAU	XXXXXXXX94L	Ph.D	RTMNU	Renewable Energy Sources	01/11/1994	31.2	Lecturer	Associate Professor	01/07/2006	Regular	Yes		No
7	DR. BHUSHAN YOGINATH BAGDE	XXXXXXXX78L	Ph.D	VNIT, Nagpur	Power System	02/09/1996	29.4	Lecturer	Associate Professor	01/01/2018	Regular	Yes		No
8	DR. ANIKET PRAKASHRAO MUNSHI	XXXXXXXX38J	Ph.D	RTMNU	Renewable Energy Sources	17/07/2003	22.6	Lecturer	Assistant Professor		Regular	Yes		No
9	PIYUSH SHRIKRISHNA PATIL	XXXXXXXX73A	M.Tech	RTMNU	Control System	04/07/2005	20.6	Lecturer	Assistant Professor		Regular	Yes		No
10	BHARAT SHRIRAM SUDAME	XXXXXXXX21H	M.Tech	RTMNU	Power System	18/06/2007	18.7	Lecturer	Assistant Professor		Regular	Yes		No
11	SHITAL SHASHIKANT KEWTE	XXXXXXXX90B	M.Tech	RTMNU	Renewable Energy Sources	11/06/2008	17.7	Lecturer	Assistant Professor		Regular	Yes		No
12	TRUPTI DEORAM TEMBHEKAR	XXXXXXXX99B	M.Tech	RTMNU	Renewable Energy Sources	12/06/2008	17.7	Lecturer	Assistant Professor		Regular	Yes		No
13	SHWETA LAXMINARAYAN TIWARI	XXXXXXXX12Q	M.Tech	RTMNU	Power Electronics	19/06/2008	17.7	Lecturer	Assistant Professor		Regular	Yes		No
14	DR. SANDEEP RAMCHANDRA GAIGOWAL	XXXXXXXX68J	Ph.D	RTMNU	Power Electronics in Power System	01/06/2015	10.7	Assistant Professor	Assistant Professor		Regular	Yes		No
15	NISHA MILIND SHRIRAO	XXXXXXXX53N	M.Tech	VTU Belgaum Karnataka	Power Electronics	10/06/2009	16.7	Lecturer	Assistant Professor		Regular	Yes		No
16	DR. ATUL SHRIKRISHNA LILHARE	XXXXXXXX87C	Ph.D	RTMNU	Power Electronics and Drives	10/06/2009	16.7	Lecturer	Assistant Professor		Regular	Yes		No
17	VAIBHAV RAMESH DOIFODE	XXXXXXXX71H	M.Tech	RTMNU	Renewable Energy Sources	07/12/2009	16.1	Lecturer	Assistant Professor		Regular	Yes		No
18	DR. (MRS) SARIKA DINESH PATIL	XXXXXXXX05Q	Ph.D	RTMNU	Power Electronics	07/08/2020	5.5	Assistant Professor	Assistant Professor		Regular	Yes		No
19	PRASAD BHASKAR JOSHI	XXXXXXXX09C	M.Tech	RTMNU	Renewable Energy Sources	02/07/2010	15.6	Lecturer	Assistant Professor		Regular	Yes		No
20	XMA RAHUL POTE	XXXXXXXX31F	M.Tech	RTMNU	Power System and Renewable Energy Sources	12/07/2010	15.6	Lecturer	Assistant Professor		Regular	Yes		No
21	GAURAV CHANDRASHEKHAR GONDHALEKAR	XXXXXXXX68N	M.Tech	RTMNU	Power Electronics	11/12/2014	11.1	Lecturer	Assistant Professor		Regular	Yes		No
22	JYOTI M KUMBHARE	XXXXXXXX75C	M.Tech	RTMNU	Electric Drives	09/07/2013	12.6	Lecturer	Assistant Professor		Regular	Yes		No
23	PRANAY SADASHIV SHETE	XXXXXXXX99H	M.Tech	RTMNU	Power System	24/01/2014	12	Lecturer	Assistant Professor		Regular	Yes		No

24	ROHAN SHRIRAM KHONDE	XXXXXXX42E	M.Tech	RTMNU	Power Electronics in Power System	27/06/2014	11.7	Lecturer	Assistant Professor		Regular	Yes		No
25	DR. (MRS) NIVEDITA SWAPNIL PADOLE	XXXXXXX21M	Ph.D	RTMNU	Renewable Energy Sources	07/08/2020	5.5	Lecturer	Assistant Professor		Regular	Yes		No
26	AKSHAY DHANRAJ KADU	XXXXXXX68F	M.Tech	RTMNU	Power Electronics	07/08/2020	5.5	Lecturer	Assistant Professor		Regular	Yes		No
27	RAVIKIRAN NILKANTH NAGPURE	XXXXXXX84Q	B.E.	Amravati University	Power System	01/12/1989	36.1	Lecturer	Associate Professor	02/01/2006	Regular	Yes		No
28	MANISH VITTHALRAO KURWALE	XXXXXXX69P	M.Tech	RTMNU	Power Electronics	07/08/2020	5.5	Assistant Professor	Assistant Professor		Regular	Yes		No
29	UJWALA VIJAYWAGHMARE	XXXXXXX14C	M.Tech	RTMNU	Renewable Energy Sources	13/07/2013	11	Lecturer	Assistant Professor		Regular	No	11/07/2024	No
30	DR. (MRS) ANURADHA ANIKET MUNSHI	XXXXXXX23E	Ph.D	RTMNU	Renewable Energy Sources	01/07/2023	0.11	Assistant Professor	Assistant Professor		Regular	No	05/06/2024	No
31	PRIYA PRAMOD GAIKWAD	XXXXXXX02B	M.Tech	RTMNU	Renewable Energy Sources	01/07/2023	0.11	Assistant Professor	Assistant Professor		Regular	No	05/06/2024	No
32	PRITI MAKRAND JAGDALE	XXXXXXX44R	M.Tech	RTMNU	Renewable Energy Sources	01/07/2023	0.11	Assistant Professor	Assistant Professor		Regular	No	05/06/2024	No
33	ABHISHEK ARUN JOSHI	XXXXXXX79K	M.Tech	RTMNU	Power Electronics	01/07/2023	0.11	Assistant Professor	Assistant Professor		Regular	No	05/06/2024	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 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	132	132	132

Description	CAY(2025-26)	CAYm1 (2024-25)	CAYm2 (2023-24)
UG1.C	132	132	132
UG1.D	132	132	198
UG1: Electrical Engineering	396	396	462
PG1.A	12	12	12
PG1.B	12	12	12
PG1: Intergrated Power Systems	24	24	24
DS=Total no. of students in all UG and PG programs in the Department	420	420	486
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= 420	S2= 420	S3= 486
DF=Total no. of faculty members in the Department	27	27	32
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= 27	F2= 27	F3= 32
FF=The faculty members in F who have a 100% teaching load in the first-year courses	5	5	5
Student Faculty Ratio (SFR)=S/(F-FF)	SFR1= 19.09	SFR2= 19.09	SFR3= 18.00
Average SFR for 3 years	SFR= 18.73		

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	15	20.00	22.50
2024-25(CAYm1)	11	16	20.00	21.75
2023-24(CAYm2)	10	22	24.00	19.58

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	2.00	4.00	5.00	14.00	20.00
2024-25	2.00	2.00	4.00	5.00	14.00	20.00
2023-24	2.00	2.00	5.00	4.00	16.00	26.00
Average	RF1=2.00	AF1=2.00	RF2=4.33	AF2=4.67	RF2=14.67	AF2=22.00

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.Ashish Vyawahare	Senior Engineer	VNIT	22EL 611 PE-III Electrical Installation system	15.00
2	Mr. Udayan Pathak	FIE, FASM Ex. Head,	World Class Tata Motors	Electric Vehicles	6.00
3	Er. Nilesh Kodand	Sr. Manager,	TASL, Nagpur	Sustainable energy.	6.00
4	Er. Pravin D. Tirthgirikar	Retd. Executive Engg., Mahagenco,	Mahagenco, Koradi, Nagpur	Emerging trends for increasing boiler efficiency of thermal power plant.	2.00
5	Er. Nikhil Narde	Director	Nikhil Engg. Services, Chandrapur	Introduction to entrepreneurship and skill development	2.00
6	Er. Satish D. Raut	Ex. Engineer	MSETCL Nagpur	High Voltage Testing and Protection of Electrical Equipments	3.00
7	Dr. Muneeb Ahmad	Assisstant Professor	PCE,Nagpur	Electrical Energy Management and Audit	3.00
8	Nisha Ingale	Centre Manager	IT Park Branch, KC Overseas Education	Guest Lecture on Study Abroad Opportunities	2.00
9	Prof. R. M. Gimonkar	Assisstant Professor	Retd. prof. YCCE	Electrical Audit and Fire Safety Workshop for non-teaching staff members	12.00
10	Mr. Ajay Vadava And Mr. Pawan Wadhai	Fire Safety Officer	Fire Safety Officer, MGI	Fire Safety, Hazards, Preventation and Safety Protocols in Electrical System	3.00
11	Mr. Sandip Kale	Divisional, Engineer	Adani Group,Kolhapur	Advance Metering Infrastructure Development	2.00

(CAYm2)

S.No	Name of the Person	Designation	Organization	Name of the Course	No. of hours handled
1	Mr. Pritam Madavi	Director	My. Khabar 24	Student Develop Program Carrier opportunities in Digital Media for Electrical Engineers.	3.00
2	Mr. Adwait Deshpande	Associate Senior Electrical Engineer	Burns and McDonnell India.	Workshop on Importance of AutoCAD in Electrical Design Industry.	3.00
3	Mr Vaibhav V Padole	Electrical Design Engineer	Armstrong, Dematic	Workshop on Safety Measures in Electrical Machines and Electrical System.	3.00
4	Er. Rahul C. Gurao	Addl. Exe. Engg.	MSETCL Warora	Workshop on "Substation Equipment Protection and Safety"	3.00
5	Prof. Sanjay Chaudhari	Director	B.M.Electronics, Nasik	Student Development Program on "Need of Electrical and Electronics in Automation Industry"	3.00
6	Mr.Pavan Rokde	Electrical Engineer	Adani Power Tiroda	Vac on Power Plant Familiarization	4.00
7	Er.Adwait Deshpande	Asso.Senior. Electrical Engineer ,	Burns and McDonnell India,Bombay	VAC on Electrical Measuring Equipment	4.00
8	Er. Rishikesh Gaidhane	Research Scholar	IIM Trichy	VAC on Electrical Installation Estimation and Costing	4.00
9	Mr.Rohit Harné	Research Scholar	IIM Lucknow	VAC on Electrical safety	2.00
10	Er.Adwait Deshpande	Asso.Senior. Electrical Engineer ,	Burns and McDonnell India,Bombay	VAC on Fundamentals of Electrical Engineering	3.00
11	Er.Angad Kulkarni	Director	Vipuresh Technology Pvt.Ltd ,Nagpur	VAC on AC and DC machine	2.00
12	Er. Rishikesh Gaidhane	Research Scholar	IIM Trichy	VAC on Advanced MS-EXCEL	10.00
13	Er.Amit Rao	Engineer	Siemens Hyderabad	VAC on PLC	2.00
14	Er.Angad Kulkarni	Director	Vipuresh Technology Pvt.Ltd ,Nagpur	VAC on Solar roof top -system	2.00
15	Er.Adwait Deshpande	Asso.Senior. Electrical Engineer	,Burns and McDonnell India,Bombay	VAC on Electrical Measuring Equipment	10.00

(CAYm3)

S.No	Name of the Person	Designation	Organization	Name of the Course	No. of hours handled
1	Er. Laxmikant V. Padamwar	Dy Executive Engineer	MSETCL, Vashi	Transformer Protection in Substation	3.00
2	Er. Shubham Bawaskar	Programmer analyst	Cognizant, Chennai (Alumni)	Learning Initiative to develop Project Ideas	3.00
3	Er. Laxmikant V. Padamwar	Dy Executive Engineer	MSETCL, Vashi	Virtual Visit to 33kV Substation	3.00
4	Er. Laxmikant V. Padamwar	Dy Executive Engineer	MSETCL, Vashi	Virtual Visit to 220kV Substation	2.00
5	Anil Tatode	Training officer	Dept of Robotic and Power Technology, RTMNU, Nagpur	Trends and Opportunities in Industrial Robotics and Automation	2.00
6	Er. S.D.Abhyankar	Executive Director	Electrotech, Nagpur	Earthing Protection and Installation Practice in Substation	2.00
7	Anil Tatode	Training officer	Dept of Robotic and Power Technology, RTMNU, Nagpur	Future Trends in Industry and Research	4.00
8	Mr. Shubham Sonawadekar	Research Scholar	IIT Hyderabad	Future Trends in Industry and Research	4.00
9	Mr. Angad Kulkarni	Director	Viprush Technologies, Nagpur	Future Trends in Industry and Research	4.00
10	Mr. Shivansh Ringe	Research Scholar	Uppsala University	Future Trends in Industry and Research	4.00
11	Dr. Pavan Fuke	Research Scholar	IIT Bombay	Solar Photovoltaic Fundamentals, Technologies and Applications	20.00
12	Dr. Sunil Mahabal	Ex. DGM	Mahindra & Mahindra Nagpur	Testing & Maintenance of Electrical Equipments	4.00

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	16	4	7
2	No. of peer reviewed conference papers published	14	36	28
3	No. of books/book chapters published	1	0	5

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
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
Dr. Pradyumm Chaturvedi	Dr. S. P. Gawande	Electrical Engineering	Sustainable Technology for Smart Off-Grid Renewable Energy Transformation and Electrochemical Storage Management	DST- SERB	2 yrs	144.00
						Amount received (Rs.):144.00

Total Amount (Lacs) Received for the Past 3 Years: 144.00

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
Dr.R.M. Moharil	Dr.R.M.Moharil P B Joshi P.S.Shete	Electrical	Electrical Energy Audit	Loyal Consultants Pvt.Ltd,Nagpur	5 days	0.15
Dr.R.M. Moharil	Dr.R.M.Moharil P B Joshi P.S.Shete	Electrical	Thermography Audit	VRC Plstomoduld Pvt Ltd,Nagpur	4 days	0.16
Dr.R.M. Moharil	Dr.R.M.Moharil P B Joshi P.S.Shete	Electrical	Electrical Energy Audit	Eroes Metal Pvt.Ltd,Nagpur	4 days	0.16
Dr.R.M. Moharil	Dr.R.M.Moharil P B Joshi P.S.Shete	Electrical	Fire Load	Shri Sai Engineering Services,Nagpur	4 days	0.16
Dr.R.M. Moharil	Dr.R.M.Moharil P B Joshi P.S.Shete	Electrical	Pump Audit	Bentex Engineering Services,Nagpur	4 days	0.10
Dr.R.M. Moharil	Dr.R.M.Moharil P B Joshi P.S.Shete	Electrical	Electrical Energy Audit	Babasaheb Kedar Shetkari Soot giri,Nagpur	4 days	0.32
Dr.R.M. Moharil	Dr.S.P.Gawande P B Joshi P.S.Shete	Electrical	Thermography audit	V.S.Autotech Pvt Ltd,Nagpur	4 days	0.16
Dr.R.M. Moharil	P B Joshi P.S.Shete A.S.Lilhare	Electrical	Thermography audit	Akar Industey pvt.Ltd ,Nagpur	4 days	0.14
Dr.R.M. Moharil	Dr.R.M.Moharil P B Joshi P.S.Shete	Electrical	Electrical Energy Audit	MGI Group	4 Months	1.00
Dr.R.M. Moharil	P B Joshi P.S.Shete A.S.Lilhare	Electrical	Electrical Energy Audit	Babasaheb Kedar Shetkari Soot giri,Nagpur	15 days	0.48
Dr.R.M. Moharil	Dr.S.P.Gawande P B Joshi P.S.Shete	Electrical	Electrical Energy Audit	Metlock Pvt Ltd.Nagpur Innovinc Services ,Nagpur	5 days	0.18
Dr.R.M. Moharil	Dr.R.M.Moharil P B Joshi P.S.Shete	Electrical	Electrical Energy Audit	Innovinc Services ,Nagpur	5 days	0.22
Dr.R.M. Moharil	Dr.R.M.Moharil P B Joshi P.S.Shete	Electrical	Electrical Energy Audit	Kingways Hoispital Nagpur.	2 days	0.08
Dr.R.M. Moharil	Dr. R. M. Moharil P. B. Joshi, P. S. Shete B.S.Sudame	Electrical	Electrical Energy Audit	Pravin Industries Pvt. Ltd.,Nagpur	2 days	0.05
Dr.R.M. Moharil	Dr.S.P.Gawande P B Joshi P.S.Shete	Electrical	Electrical Energy Audit	Metlock Pvt Ltd.Nagpur	2 days	0.18
Dr.R.M. Moharil	Dr.S.P.Gawande P B Joshi P.S.Shete	Electrical	Electrical Energy Audit	Loyal Consultants Pvt.Ltd,Nagpur	12 days	0.65
Dr.R.M. Moharil	P.S.Patil	Electrical	Solar Audit	Mahagan Traders ,Nagpur	1 days	0.03
Dr.R.M. Moharil	Dr.S.P.Gawande P B Joshi P.S.Shete	Electrical	Electrical Energy Audit	BHAP Pvt.Ltd,Nagpur	1 days	0.05
Dr.R.M. Moharil	Dr.S.P.Gawande P B Joshi P.S.Shete	Electrical	Electrical Energy Audit	BHAP Pvt.Ltd,Nagpur	2 days	0.10
Dr.R.M. Moharil	Dr.S.P.Gawande P B Joshi P.S.Shete	Electrical	Electrical Energy Audit	Pravin Industries Pvt. Ltd.,Nagpur	2 days	0.05

Dr.R.M. Moharil	N.T.Sahu S.B.Rewatkar	Electrical	Electrical Energy Audit	Shirirao Contactor,Nagpur	2 days	0.20
						Amount received (Rs.):4.62

(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.R.M.Moharil	P B Joshi P.S.Shete	Electrical	Fire Audit	Winal Precision Pvt,Ltd,MIDC,Higana,Nagpur	1 dAYS	0.05
Dr.R.M.Moharil	P B Joshi P.S.Shete	Electrical	Thermography Audit	Winal Precision Pvt,Ltd,MIDC,Higana,Nagpur	1 days	0.10
Dr.R.M.Moharil	P B Joshi P.S.Shete	Electrical	Electrical Energy Audit	Loyal Consultants Pvt.Ltd,Nagpur	1 days	0.06
Dr.R.M.Moharil	P B Joshi P.S.Shete	Electrical	Electrical Energy Audit	DMIMS WARDHA	5 days	0.58
Dr.R.M.Moharil	P B Joshi P.S.Shete	Electrical	Pump Audit	Nelson Hospital ,NAGPUR	2 days	0.20
Dr.R.M.Moharil	P B Joshi P.S.Shete	Electrical	Thermography audit	Maruti Warehouse -I ,MIDC, Budtibori Nagpur	1 days	0.03
P.S.Shete	P B Joshi	Electrical	Thermography audit	Maruti Warehouse -II ,MIDC, Budtibori Nagpur	1 days	0.03
P.S.Shete	P B Joshi	Electrical	Thermography audit	Maruti Warehouse -III ,MIDC, Budtibori Nagpur	1 days	0.03
Dr.S.D.Patil	P B Joshi P.S.Shete	Electrical	Training Consultancy	Cummines College of Engineering,Nagpur	1 days	0.06
Dr.S.D.Patil	P B Joshi P.S.Shete	Electrical	Training Consultancy	J.D.C.O.E,Nagpur	1 days	0.08
N.T.Sahu	P B Joshi P.S.Shete	Electrical	Training Consultancy	G.P.Nagpur	1 days	0.01
S.B.Rewatkar	P B Joshi P.S.Shete	Electrical	Training Consultancy	G.P.Nagpur	1 days	0.01
S.B.Rewatkar	P B Joshi P.S.Shete	Electrical	Training Consultancy	KITS, Nagpur	1 days	0.02
N.S.Padole	A.D.Kadu	Electrical	Training Consultancy	PMITI, Roshan Kheda.	1 days	0.05
A.D.Kadu	N.S.Padole	Electrical	Training Consultancy	GNIET,Nagpur	1 days	0.04
A.D.Kadu	N.S.Padole	Electrical	Training Consultancy	Pundlike Maharaj ITI,Roshankheda	1 days	0.05
N.S.Padole	A.D.Kadu	Electrical	Training Consultancy	Nadekar Jr.Collge of Scince,Narkhed	1 days	0.06
N.S.Padole	A.D.Kadu	Electrical	Training Consultancy	Saraswati Integred,Koradi	1 days	0.05
A.D.Kadu	N.S.Padole	Electrical	Training Consultancy	Nadekar Jr Collge of Scince,Nagpur	1 days	0.05
A.D.Kadu	N.S.Padole	Electrical	Training Consultancy	GNIET ,Nagpur	1 days	0.05
A.D.Kadu	N.S.Padole	Electrical	Training Consultancy	GNIET ,Nagpur	1 days	0.05

Dr.S.D.Patil	P B Joshi P.S.Shete	Electrical	Training Consultancy	Electrical Engineering Dept. S.B.Jain College of Engg,Nagpur	1 days	0.05
Dr.R.M.Moharil	P B Joshi P.S.Shete	Electrical	Training Consultancy	Nelson Hospital ,NAGPUR	1 days	0.16
Dr.R.M.Moharil	P B Joshi P.S.Shete	Electrical	Electrical Energy Audit	Wasade Hospital ,Chandpur	2 days	0.10
Dr.R.M.Moharil	P B Joshi P.S.Shete	Electrical	Electrical Energy Audit	Wasade Hospital ,Chandpur	2 days	0.10
Dr.S.P.Adhau	Dr.S.P.Gawande Prof.x.r.Pote Dr.S.D.Patil Prof.V.R.Doifode A.S.Lilhare	Electrical	Training Consultancy	Training consultancy under different VAC for YCCE	18 dAYS	2.11
S.L.Tiwari	P B Joshi P.S.Shete	Electrical	Electrical Energy Audit	Spariour Drinks PVT Ltd	1 days	0.02
Dr.R.M.Moharil	P B Joshi P.S.Shete	Electrical	Electrical Energy Audit	Nagar Panchayet, Goregaon	1 days	0.20
Dr.R.M.Moharil	P B Joshi P.S.Shete	Electrical	Thermography Audit	Winal Precision Pvt, Ltd, MIDC, Higana, Nagpur	1 days	0.14
Dr.R.M.Moharil	P B Joshi P.S.Shete	Electrical	Electrical Energy Audit	Bentex Engineering PVT Ltd	1 days	0.10
Dr.R.M.Moharil	P B Joshi P.S.Shete	Electrical	Fire Load Calculation	Aerocom Automotives PVT,Ltd ,MIDC,Higna ,Nagpur	1 days	0.08
Dr.R.M.Moharil	P B Joshi P.S.Shete	Electrical	Training Consultancy	GHRIET, Nagpur 0.024 Aerocom Automotives PVT. Ltd. MIDC, Hingna , Nagpur 0.05	1 days	0.02
Dr.R.M.Moharil	P B Joshi P.S.Shete	Electrical	Fire Load Calculation	Aerocom Automotives PVT. Ltd. MIDC, Hingna , Nagpur	1 days	0.05
Dr.R.M.Moharil	P B Joshi P.S.Shete	Electrical	Energy Audit	Loyal Consultant Pvt Ltd.Nagpur	10 days	0.54
Dr.R.M.Moharil	P B Joshi P.S.Shete	Electrical	Fire Load Calculation	Shree Sai Engineering Nagpur	1 days	0.06
Dr.R.M.Moharil	P B Joshi P.S.Shete	Electrical	Thermal Imaging Audit	Benmtex Engineering PVT LTD Nagpur	1 days	0.16
Dr.R.M.Moharil	P B Joshi P.S.Shete	Electrical	Energy Audit	Loyal Consultant Pvt Ltd. Nagpur	1 days	0.15
Dr.R.M.Moharil	B.S.sudame	Electrical	Energy Audit	Babasaheb Kedar Sahakari Soot Girmi, Nagpur	5 days	0.32
Dr.R.M.Moharil	P B Joshi P.S.Shete	Electrical	Energy Audit	Benmtex Engineering PVT LTD Nagpur	1 days	0.10
						Amount received (Rs.):6.12

(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.M.Moharil	P B Joshi P.S.Shete	Electrical	Pump Audit	Nelson Hospital ,NAGPUR	2 Days	0.20
Dr.R.M.Moharil	P B Joshi P.S.Shete	Electrical	Thermography audit	Maruti Warehouse -I ,MIDC, Budtibori Nagpur	1 Days	0.02
Dr.R.M.Moharil	P B Joshi P.S.Shete	Electrical	Thermography audit	Maruti Warehouse -I ,MIDC, Budtibori Nagpur	1 Days	0.02
Dr.R.M.Moharil	P B Joshi P.S.Shete	Electrical	Thermography audit	Maruti Warehouse -I ,MIDC, Budtibori Nagpur	1 Days	0.02
Dr.P.M.Meshram	Dr.B.Y.Bagde Prof.R.N.Nagpure	Electrical	Energy Audit	Nagar Parished Higna	1Days	0.20
Dr.R.M.Moharil	P B Joshi P.S.Shete	Electrical	Electrical Energy & Safety Audit	Electrical Energy & Safety Audit	10 dAYS	1.16
Dr.R.M.Moharil	P B Joshi P.S.Shete	Electrical	Electrical Energy & Safety Audit	Electrical Energy & Safety Audit	1 Days	0.69
						Amount received (Rs.):2.31

Total amount (Lacs) received for the past 3 years: 13.05

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
V.R. Doifode	To Study Pumping and Generating Mode of Pumped Storage Hydro Power Plant	1 Yr	0.30	0.30	Project research set up
B.S. Sudame	To study the effect of temperature and humidity	1 Yr	0.25	0.25	Practical Setup
T.D. Tembhekar	Gravity Energy Storage for Renewable Energy Lab	1 Yr	0.21	0.21	Hardware Prototype
B. S. Sudame	Design & Fabrication of solar fence energiser using GSM	1 Yr	0.12	0.01	Hardware Prototype
S.L.Tiwari	Design of smart Hybrid mixer machine	1 Yr	0.12	0.12	Hardware Prototype
P.S.Shete	Power Sharing Capacity of Fast Charging Stations for EV	1 yr	0.05	0.05	IEEE Paper Publication
B.S.Sudame	Increasing efficiency of Solar Panel using movable reflector	1 Yr	0.05	0.05	IEEE Paper Publication
Jyoti Kumbhare	THIPWM Based Three-Level ANPC Converter for Bidirectional EV Charging	1 Yr	0.05	0.05	IEEE Paper Publication
T.D.Tembhekar	A HYBRID AND INTEGRATED RENEWABLE ENERGY SYSTEM WITH ADVANCED ENERGY MANAGEMENT.	1 Yr	0.04	0.04	Publication of Patent
Dr R.M.Moharil	A PREPAID ENERGY METERING SYSTEM	1 Yr	0.04	0.04	Publication of Patent
J.M.Kumbhare	A VEHICLE-TO-VEHICLE OFF-BOARD DC CHARGING SYSTEMFOR ELECTRIC VEHICLES	1 Yr	0.04	0.04	Publication of Patent
Dr. Snehal. P. Gawande	AN ON-BOARD CHARGER FOR ELECTRIC VEHICLES	1 Yr	0.04	0.04	Publication of Patent
Dr. Aniket Munshi	A COMPACT POLLUTION CONTROL AND SOUND INDICATOR DEVICE FOR VEHICLES	1 Yr	0.04	0.04	Publication of Patent
Piyush Patil	AN INTERACTIVE CHANTING DEVICE FOR MEDITATION AND WELLNESS	1 Yr	0.04	0.04	Publication of Patent
S.S.Gokhale	A WATER DISTRIBUTION TANKER	1 Yr	0.04	0.04	Publication of Patent
Piyush Patil	A CHICKEN COOP	1 Yr	0.04	0.04	Publication of Patent
J.M.Kumbhare	Multilevel Smart Car Parking System with Horizontal Rotary Mechanism	1 Yr	0.04	0.04	Publication of Patent
			Amount received (Rs.): 1.51		

(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
N.S. Padole	Portable Grain Sac Filling Machine for Market Grain Plies	1 Yr	0.23	0.23	Hardware Prototype
S.L.Tiwari	Improved Wireless Electric Vehicle Charging System	1 Yr	0.20	0.20	Paper published
V.R. Doifode	Solar Powered Smart Refrigerator	1 Yr	0.24	0.24	Patent Published
Xma Pote	Analysis of various feedstocks used for biogas generation	1 Yr	0.05	0.05	Scopus Paper Publication
Dr. S. P. Adhau	Automated Solar Water Pumping System	1 Yr	0.05	0.05	Scopus Paper Publication
B.S.Sudame	Study of Wireless Caution System for Trains	1 Yr	0.05	0.05	Scopus Paper Publication
Dr. S. P. Adhau	Transformer Health Monitoring Remotely over Internet	1 Yr	0.05	0.05	Scopus Paper Publication
S.L.Tiwari	Solar Power Wireless G2V System for Electric Vehicle	1 Yr	0.05	0.05	Scopus Paper Publication
N.T. Sahu	Smart Dustbin for Dry-Wet Waste Sorting, Real-Time Monitoring and Alarm System	1 Yr	0.05	0.05	Scopus Paper Publication
S. Kewate	Temperature Control Solar Photovoltaic System	1 Yr	0.05	0.05	Scopus Paper Publication
Dr. S. G. Kadwane	2W Power Ripple Analysis of PV Fed Single-Phase QZSI using Symmetrical Shoot Through Control	1 Yr	0.05	0.05	Scopus Paper Publication
Dr. S. P. Gawande	Comprehensive Analysis on Electric Vehicle Technology	1 Yr	0.05	0.05	Scopus Paper Publication
V.R. Doifode	Review on Ghatghar Pumped Storage Hydro Power Plant	1 Yr	0.05	0.05	Scopus Paper Publication
P.S. Shete	Comprehensive Energy Conservation for Steel Processing and Manufacturing Industry	1 Yr	0.05	0.05	Scopus Paper Publication
P.S. Patil	Power System Protection in Presence of Distributed Generation by Estimating Phase Angle	1 Yr	0.05	0.05	Scopus Paper Publication
P.S. Patil	Protection in DC Microgrid	1 Yr	0.05	0.05	Scopus Paper Publication
Dr.S.D. Patil	AN IOT BASED SMART INVERTER	1 Yr	0.38	0.38	Publication of Patent
Dr. B.Y.Bagde	A PROTECTIVE DEVICE FOR PESTICIDE SPRAYING MACHINE	1 Yr	0.38	0.38	Publication of Patent
P.S. Shete	SYSTEM FOR CLOSED LOOP REAL TIME MONITORING OF SINGLE PHASE INDUCTION MOTOR.	1 Yr	0.38	0.38	Publication of Patent
Dr. S. P. Adhau	A PLASTIC WASTE MANAGEMENT MACHINE	1 Yr	0.38	0.38	Publication of Patent
			Amount received (Rs.): 2.84		

(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
Dr.S.D. Patil	Design and implementation of IOT based SMART inverter	1 Yr	0.27	0.13	Patent Granted
Dr. S.P. Adhau	Plastic Waste Management Machine	1 Yr	0.22	0.20	Patent Granted
B.S. Sudame	Operation of circuit breaker with authentication	1 Yr	0.93	0.93	Paper published
N.S. Padole	Design and implementation of equitable water distribution valve for solar water heater	1 Yr	0.90	0.90	Hardware Prototype
P.S.Patil	Protection of Power System in Presence of Distributed Generation by Estimating Phase Angle	1 Yr	0.23	0.23	Scopus Paper Publication
S.R.Gaigowal	Thyristor controllers LC and TCLS for Harmonic Reduction	1 Yr	0.23	0.23	Scopus Paper Publication
P.B.Joshi	Identification of MPPT using reference Voltage method	1 Yr	0.05	0.05	Scopus Paper Publication
S.L.Tiwari	Automatic Water System using IoT	1 Yr	0.05	0.05	Scopus Paper Publication
J.M.Kumbhare	Identification of MPPT using reference voltage method	1 Yr	0.05	0.05	Scopus Paper Publication
P.S.Patil	Wheelchair Control using IoT and Fall Detection mechanism.	1 Yr	0.05	0.05	Scopus Paper Publication
N.S.Padole	Impact of radial distribution system using backward forward sweep load flow algorithm	1 Yr	0.05	0.05	IEEE Paper Publication
Dr. S. P. Gawande	Some Investigations on Synchronous Generator	1 Yr	0.05	0.05	Scopus Paper Publication
Dr. S. P. Gawande	Investigations on Design and Dynamics of Synchronverter for PQ and Frequency Control	1 Yr	0.12	0.12	IEEE Paper Publication
Dr. S. R. Gaigowal	Power Flow control through transmission line using DSSC	1 Yr	0.05	0.05	Scopus Paper Publication
Dr. R. M. Mohanil	Arinarose Mulla, Devyani Yadav, Janhavi Ambadka, Rutuja Ingole, Pranay Kothale, Prathmesh Thabhane	1 Yr	0.06	0.06	IEEE Paper Publication
P.S. Shete	AN ULTRANSONIC SENSOR BASED SMART STICK FOR BLIND PEOPLE	1 Yr	0.38	0.38	Publication of Patent
			Amount received (Rs.): 3.69		

Total amount (Lacs) received for the past 3 years : 8.04

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	EL / EE Workshop Lab	5	Earth Tester Transformer Winding Machine	53.33%	Narendra Meghe	Lab Attendent	SSC
2	Computer UG-I Lab	1	Computer - Pentium IV	60%	Sujata Gurad	Technical Assistant	ITI (COPA)

3	Electrical Machine Lab	5	Induction Motor (1-ph and 3-ph), DC machines (motor & generator), Transformer (1-ph & 3-ph), 3-point starter, 1- ph & 3-ph	60%	K.B.Vyas	Technical Assistant	Diploma
4	Computer UG-II /EEW Lab	1	Computer - Pentium IV	60%	Neha Bachale	Technical Assistant	BCA
5	Switch Gear and Protection Lab	5	Relays: - (Impedane, Reactance, IDMT, MC61C, Distance) Relay test Kit, Differential Protection	60%	M. Rehman	Lab Attendent	HSSC
6	Electrical Drive / EV	4	PLCM(1400), PLCM(1200)	60%	Golu Rajbar	Technical Assistant	Diploma
7	HV Engineering Lab/ Substation Design Lab	5	Single Stage AC Test Set. (2) Single Stage DC Test Set.This 100kV A.C. / 140kV D.C. Five stage Impulse Test Set with Oscilloscope	60%	Golu Rajbar	Technical Assistant	Diploma
8	Renewable Engineering Lab	5	Solar photovoltaic training kit,solar measuring panel	60%	Narendra Meghe	Lab Attendent	SSC
9	Power Electronics Lab	5	LCR METER	53.33%	Sakshi Parate	Technical Assistant	BE
10	Electrical Measurement and Instrumentation Lab / Control System Lab/	5	Kits	53.33%	Pravin Nikhade	Technical Assistant	BE
11	Electrical Engineering Lab / FoE	5	Three Phase Induction Motor	60%	Sakshi Parate /Golu Rajbar	Technical Assistant	BE

D2. Safety Measures in Laboratories

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

Sr. No	Laboratory Name	Safety Measures
1	Electrical Engineering Workshop Lab / Electronics Engineering Workshop Lab	Safety Charts , Fire extinguishers, Fire hydrant
2	Computer UG-I Lab	Safety Charts , Fire extinguishers, Fire hydrant
3	Electrical Machine Lab	Safety Charts , Fire extinguishers, Fire hydrant
4	Computer UG-II / EE Workshop	Safety Charts , Fire extinguishers, Fire hydrant

5	Switch Gear and Protection Lab	MCB on each table, Safety chart, Fire extinguishers, and Fire hydrant
6	Electrical Drives/ Electric Vehicle Lab	Safety chart, Fire extinguishers, and Fire hydrant
7	High Voltage Engineering Lab/ Substation Design Lab	Safety chart, Fire extinguishers, and Fire hydrant, Metallic Caging /Earthing, Relay connection provided for protection of high switching surges.
8	Renewable Engineering Lab	Fire extinguishers; Fire hydrant, Safety chart
9	Power Electronics Lab	Safety chart, Fire extinguishers, and Fire hydrant
10	Electrical Measurement and Instrumentation Lab/ Control System Lab	Safety chart, Fire extinguishers, and Fire hydrant
11	FoE Lab	Fire extinguishers; Fire hydrant

D3. Project Laboratory/Research Laboratory

1. Research Laboratories**Research/Project Lab EL-201**

Sr.No.	Name of Equipment	Cost (in Rupees)	Date of Purchase	Scheme under which the equipments purchased
1	Power Analyzer Fluke	4,78,125/-	31/10/2013	F.No.20/AICTE/RIFD/RPS (POLICY-3)120/2012-13
2	DC Power Supply 120V,4A, 480W KEYSIGHT TECHNOLOGIES (https://in.element14.com/c/test-measurement/oscilloscopes/digital-signal-digital-phosphor-oscilloscopes-dso-dpo?brand=keysight-technologies).	1,88,000/-	25/11/2013	F.No.20/AICTE/RIFD/RPS (POLICY-3)120/2012-13
3	4 Channel 200MHz DSO AGILIAN TECHNOLOGIES (https://in.element14.com/c/test-measurement/oscilloscopes/digital-signal-digital-phosphor-oscilloscopes-dso-dpo?brand=keysight-technologies)	2,77,711/-	25/11/2013	F.No.20/AICTE/RIFD/RPS (POLICY-3)120/2012-13
4	4 Channel 500MHz DSO KEYSIGHT TECHNOLOGIES (https://in.element14.com/c/test-measurement/oscilloscopes/digital-signal-digital-phosphor-oscilloscopes-dso-dpo?brand=keysight-technologies)	5,48,625/-	24/04/2015	DST
5	PSCAD VSM10E Software	1,41,600/-	13/09/2025	Purchased through yearly Institutional Equipment Budget

2. Project Laboratories

Sr. No.	Name of Students (Project Leader)	Year	Title of Project
----------------	--	-------------	-------------------------

1	Srushti Korde	2026-2027	Design, Analysis And Implementation of 5-level Diode Clamped Multi Level Inverter With Modified Hysteresis Control For D-STATCOM Applications
2	Ayushi Ambedare		Single Phase Shift Based Dual Active Bridge Converter for Solar PV Applications
3	Makrand Arvind Sajanpawar		Performance Analysis of Buck-Inverter Converter and conventional inverter for inductive wireless power transmission using interleaved boost converter
4	Shweta Borkute		Multiport Bidirectional DC-DC Converter with Hybrid Energy Storage System for Medical UPS
5	Bhagyashri Vaidya		Performance Analysis of DC-DC Converters using BESS for Green Hydrogen
6	Titiksha.H.Dhoke	2025-2026	Multifunctional on-board charger for plug-in Electric Vehicle
7	Arihant Nagrale		PhotoVoltaic Integrated Inductive Wireless Charging for an electric vehicles
8	Dhanshree Harihar Bhivsenkar		Design and implementation of wireless power transfer for dynamic EV Charging
9	Akanksha Kalbande		Fabrication of Energy Generation from Waste Heat of Vehicle Silencer
10	Shruti Doifode	2024-2025	Performance Evaluation Of Modular Multilevel Dc/Dc Converter
11	Anjali Labhane		To Analysis Modular Multilevel Converter With Various Switching Techniques
12	Jahnvi Ukey		Some Investigation In Control Of Single Phase And Three Phase DC/AC Inverter.
13	Hemanshu Pande		Study And Analysis Of Different Factors Affecting Performance Of Solar PV

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)	1500	75	32	132	69
2024-25(CAYm1)	1500	75	39	148	81
2025-26(CAY)	1740	87	43	173	79

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	54782000	13130840	65500000	69265060	60000000	55635815	50000000	45649640
Library	3540000	1520095	3000000	2956939	3000000	1929415	4000000	1724881
Laboratory equipment	7420000	8263534	5000000	4740952	3535000	2508142	5000000	5808044
Teaching and non-teaching staff salary	676237000	472658202	647500000	639747813	605000000	603257625	571300000	607936711
Outreach Programs	0	27130	0	20480	0	0	0	0
R&D	6000000	2272666	5500000	7827352	3000000	3254275	7000000	6308526
Training, Placement and Industry linkage	81000000	40904441	100000000	92595639	100000000	108445257	79000000	68931483
SDGs	5000000	1417911	4000000	4235157	0	837793	0	2798374
Entrepreneurship	500000	150719	500000	418427	0	0	0	0
Others, Miscellaneous	244536000	127015085	200934000	211000871	171465000	161965490	131200000	133967027
Total	1079015000	667360623	1031934000	1032808690	946000000	937833812	847500000	873124686

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	1270000	1284787	1750000	2076998	400000	520002	500000	905022

Software	750000	708000	0	0	00	0	0	0
SDGs	0	0	00	0	00	0	0	0
Support for faculty development	200000	5000	200000	190720	175000	172751	175000	179784
R & D	500000	215000	500000	710415	300000	313450	300000	304858
Industrial Training, Industry expert, Internship	10000000	3225054	9000000	7890610	10000000	11753321	9000000	8909559
Miscellaneous Expenses*	2250000	1916460	1250000	935964	1250000	1179511	1500000	553586
Total	14970000	7354301	12700000	11804707	12125000	13939035	11475000	10852809