NATIONAL BOARD OF ACCREDITATION

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

Program Name : Mechanical 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 ARROVAL DETAILS	ACCREDITATION STATUS	FROM	TO	NO. OF TIMES PROGRAM ACCREDITED	PROGRAM DURATION
1	Mechanical Engineering	UG	2006 / --	60	Yes	NA	120	2006	F.No. Western/1-712456095/2012/EOA	Granted accreditation for 3 years for the period (specify period)	2023	2026	2	4

Sanctioned Intake for Last Five Years for the Design Engineering	
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. Deulgaonkar V. R.
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	120	115	96	102	34	52	122
N2=Number of students admitted in 2nd year in the same batch via lateral entry including leftover seats	0	17	36	29	97	145	76
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	16	17	17	11	4	14	5
Total number of students admitted in the program (N1 + N2 + N3 + N4) - excluding those admitted through multiple entry and exit points.	136	149	149	142	135	211	203

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	16	113.33
2024-25 (CAYm1)	120	115	17	110.00
2023-24 (CAYm2)	120	96	17	94.17

Average [(ER1 + ER2 + ER3) / 3] = 105.83≡ 100

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

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

Item	(2021-22) LYG	(2020-21) LYGm1	(2019-20) LYGm2
A*= (No. of students admitted in the 1st year of that batch and those actually admitted in the 2nd year via lateral entry, plus the number of students admitted through multiple entry (if any) and separate division if applicable, minus the number of students who exited through multiple entry (if any).	217.00	325.00	256.00
B=No. of students who graduated from the program in the stipulated course duration	79.00	148.00	183.00
Success Rate (SR)= (B/A) * 100	36.41	45.54	71.48

Average SR of three batches ((SR_1+ SR_2+ SR_3)/3): 51.14

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

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

Academic Performance	CAYm1(2024-25)	CAYm2(2023-24)	CAYm3 (2022-23)
Mean of CGPA or mean percentage of all successful students(X)	7.37	6.37	5.75
Y=Total no. of successful students	132.00	92.00	84.00
Z=Total no. of students appeared in the examination	132.00	113.00	113.00

API [X*(Y/Z)]	7.37	5.19	4.27

Average API[(AP1+AP2+AP3)/3] : 5.61

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)	6.21	6.19	5.31
Y=Total no. of successful students	110.00	100.00	105.00
Z=Total no. of students appeared in the examination	128.00	113.00	135.00
API [X * (Y/Z)]	5.34	5.48	4.13

Average API [(AP1 + AP2 + AP3)/3] : 4.98

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)	7.49	7.12	6.44
Y=Total no. of successful students	89.00	92.00	191.00
Z=Total no. of students appeared in the examination	100.00	105.00	209.00
API [X*(Y/Z)]:	6.67	6.24	5.89

Average API [(AP1 + AP2 + AP3)/3] : 6.27

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	217.00	325.00	256.00
X=No. of students placed	66.00	105.00	132.00
Y=No. of students admitted to higher studies	5.00	11.00	13.00
Z= No. of students taking up entrepreneurship	2.00	2.00	1.00
Placement Index(P) = (((X + Y + Z)/FS) * 100):	33.64	36.31	57.03

Average Placement Index = (P_1 + P_2 + P_3)/3: 42.33 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. Deulgaonkar V. R.	XXXXXXX23Q	Ph.D	SGBAU, Amravati	Design Engineering	05/02/2009	16.11	Assistant Professor	Professor	01/10/2021	Regular	Yes		Yes
2	Dr. Patil K. R.	XXXXXXX18G	Ph.D	SIU, Pune	Thermal Engineering	01/08/2011	14.5	Assistant Professor	Professor	01/10/2021	Regular	Yes		No
3	Dr. Purandare P. S.	XXXXXXX82J	Ph.D	TU, Patiala	Heat Power Engineering	12/05/2017	8.8	Professor	Professor	12/05/2017	Regular	Yes		No
4	Mr. Gavhane S. A.	XXXXXXX39M	M.Tech	IIT, Delhi	Machine Design	15/04/2025	0.9	Assistant Professor	Assistant Professor		Regular	Yes		No
5	Dr. Bhatkar V. W.	XXXXXXX86Q	Ph.D	RTMNU Nagpur	Thermal Engineering	16/06/2012	13.7	Assistant Professor	Professor	01/01/2026	Regular	Yes		No
6	Dr. Tamkhade P. K.	XXXXXXX61L	Ph.D	SPPU, Pune	Heat Power Engineering	24/06/2013	12.6	Assistant Professor	Associate Professor	01/06/2023	Regular	Yes		No
7	Dr. Joshi S. S.	XXXXXXX50P	Ph.D	RMITU, Australia	Sensor Technology & Nanomaterials	15/07/2024	1.5	Associate Professor	Associate Professor	15/07/2024	Regular	Yes		No
8	Dr. Yadav R. S.	XXXXXXX51F	Ph.D	KLE, Vijaywada	CAD/CAM/CAE	10/06/2014	11.7	Assistant Professor	Associate Professor	01/01/2026	Regular	Yes		No
9	Dr. Todkar R. N.	XXXXXXX29N	Ph.D	SJJTU, Rajasthan	Heat Power Engineering	15/06/2022	3.7	Assistant Professor	Assistant Professor		Regular	Yes		No
10	Dr. Kirpekar S. S.	XXXXXXX69E	Ph.D	VTU, Belgavi	Automotive Materials & Manufacturing	01/07/2022	3.6	Assistant Professor	Assistant Professor		Regular	Yes		No
11	Dr. Lahane S. S.	XXXXXXX26G	Ph.D	NIT, Surat	Industrial Process Equipment Design	01/07/2023	2.6	Assistant Professor	Assistant Professor		Regular	Yes		No
12	Dr. Suryawanshi A. S.	XXXXXXX89J	Ph.D	VITU, Vellore	Design Engineering	13/06/2024	1.7	Assistant Professor	Assistant Professor		Regular	Yes		No
13	Dr. Bansod P. V.	XXXXXXX47N	Ph.D	IIT, Kharagpur	Design Engineering	18/06/2024	1.6	Assistant Professor	Assistant Professor		Regular	Yes		No
14	Mr. Desale A. D.	XXXXXXX52H	M.Tech	MU, Mumbai	Automobile Engineering	24/08/2009	16.5	Assistant Professor	Assistant Professor		Regular	Yes		No
15	Mr. Patil R. U.	XXXXXXX53K	M.E.	SU, Kolhapur	Design Engineering	04/07/2013	12.6	Assistant Professor	Assistant Professor		Regular	Yes		No

16	Mr. Raut S. S.	XXXXXXX36N	M.E.	SU, Kolhapur	CAD/CAM/CAE	10/01/2014	12	Assistant Professor	Assistant Professor		Regular	Yes		No
17	Mr. Pisal H. C.	XXXXXXX99Q	M.Tech	DBATU, Lonere	Thermal & Fluids Engg.	16/07/2014	11.6	Assistant Professor	Assistant Professor		Regular	Yes		No
18	Mr. Kale S. G.	XXXXXXX26N	M.Tech	MU, Mumbai	Thermal Engineering	27/04/2017	8.8	Assistant Professor	Assistant Professor		Regular	Yes		No
19	Mr. Bhambure P. D.	XXXXXXX52K	M.Tech	SPPU, Pune	Thermal Engineering	06/09/2016	9.4	Assistant Professor	Assistant Professor		Regular	Yes		No
20	Mr. Kedari S. J.	XXXXXXX46P	M.Tech	VTU, Belgavi	Production Management	01/08/2019	6.5	Assistant Professor	Assistant Professor		Regular	Yes		No
21	Ms. Parkar A. B.	XXXXXXX60B	M.E.	SPPU, Pune	Design Engineering	01/12/2021	4.1	Assistant Professor	Assistant Professor		Regular	Yes		No
22	Mr. Patil S. S.	XXXXXXX66B	M.E.	NMU, Jalgaon	Machine Design	01/07/2022	3.6	Assistant Professor	Assistant Professor		Regular	Yes		No
23	Mr. Sukalkar N. R.	XXXXXXX07F	M.E.	SPPU, Pune	Design Engineering	01/07/2022	3.6	Assistant Professor	Assistant Professor		Regular	Yes		No
24	Ms. Rode M. P.	XXXXXXX03M	M.E.	SPPU, Pune	Design Engineering	15/05/2014	11	Assistant Professor	Assistant Professor		Regular	No	15/05/2025	No
25	Mr. Chaudhary G. R.	XXXXXXX51F	M.E.	SPPU, Pune	Design Engineering	14/09/2016	8.10	Assistant Professor	Assistant Professor		Regular	No	29/07/2025	No
26	Mr. Belsare S. N.	XXXXXXX42Q	M.E.	SPPU, Pune	Heat Power Engineering	01/06/2015	10.7	Assistant Professor	Assistant Professor		Regular	No	01/07/2025	No
27	Mr. Khade P. S.	XXXXXXX71C	M.Tech	RTMNU Nagpur	CAD-CAM	03/04/2017	8.3	Assistant Professor	Assistant Professor		Regular	No	07/07/2025	No
28	Dr. Joshi M. D.	XXXXXXX55L	Ph.D	IIT, Indore	Physical Metallurgy	16/06/2023	1.8	Assistant Professor	Assistant Professor		Regular	No	11/03/2025	No
29	Mr. Nimbalkar A. G.	XXXXXXX77R	M.E.	SPPU, Pune	Design Engineering	08/07/2022	2.11	Assistant Professor	Assistant Professor		Regular	No	23/06/2025	No
30	Mr. Pandagale M. P.	XXXXXXX67J	M.Tech	SRTMU Nanded	CAD-CAM	01/07/2020	5.5	Assistant Professor	Assistant Professor		Regular	No	01/12/2025	No
31	Mr. Pawar D. M.	XXXXXXX49R	M.E.	SPPU, Pune	Design Engineering	01/07/2022	3.6	Assistant Professor	Assistant Professor		Regular	Yes		No
32	Dr. Katare P. K.	XXXXXXX65C	Ph.D	RTMNU Nagpur	Thermal Engineering	20/09/2016	9.4	Assistant Professor	Professor	01/01/2026	Regular	Yes		No
33	Dr. Gadekar T. S.	XXXXXXX92G	Ph.D	SPPU, Pune	Design Engineering	28/08/2023	2.4	Assistant Professor	Assistant Professor		Regular	Yes		No
34	Ms. Wadikar P. N.	XXXXXXX58M	M.Tech	SPPU, Pune	Heat Power Engineering	01/12/2021	4.1	Assistant Professor	Assistant Professor		Regular	Yes		No
35	Ms. Jawalkar S. S.	XXXXXXX20H	M.E.	SPPU, Pune	Design Engineering	01/07/2022	3.6	Assistant Professor	Assistant Professor		Regular	Yes		No

36	Ms. Chavan P. R.	XXXXXXX48A	M.E.	SPPU, Pune	Thermal Engineering	01/07/2022	1.9	Assistant Professor	Assistant Professor		Regular	No	30/04/2024	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	131
UG1.C	132	131	130
UG1.D	131	130	197
UG1: Mechanical Engineering	**395**	**393**	**458**
PG1.A	6	6	6
PG1.B	6	6	0
PG1: Design Engineering	**12**	**12**	**6**
DS=Total no. of students in all UG and PG programs in the Department	407	405	464
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=** 407	**S2=** 405	**S3=** 464
DF=Total no. of faculty members in the Department	28	33	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=** 28	**F2=** 33	**F3=** 32
FF=The faculty members in F who have a 100% teaching load in the first-year courses	4	4	6
Student Faculty Ratio (SFR)=S/(F-FF)	**SFR1= 16.96**	**SFR2= 13.97**	**SFR3= 17.85**
Average SFR for 3 years	**SFR= 16.26**		

C3. Faculty Qualification

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

Table No.C3.1: Faculty qualification.

Year	X	Y	RF	FQ = 2.5 x [(10X + 4Y) / RF)]
2025-26(CAY)	14	14	20.00	24.50
2024-25(CAYm1)	14	19	20.00	27.00
2023-24(CAYm2)	11	21	23.00	21.09

C4. Faculty Cadre Proportion

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

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

Year	Professors		Associate Professors		Assistant Professors	
	Required RF1	Available AF1	Required RF2	Available AF1	Required RF3	Available AF3
2025-26	2.00	3.00	4.00	4.00	13.00	21.00
2024-25	2.00	3.00	4.00	4.00	13.00	26.00
2023-24	2.00	3.00	5.00	3.00	15.00	26.00
Average	RF1=2.00	AF1=3.00	RF2=4.33	AF2=3.67	RF2=13.67	AF2=24.33

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. Ranade M. S.	Adjunct Faculty	Thermax Ltd. (Retired)	Engg. Thermodynamics, Applied Thermodynamics, PBL, HVAC, Project Stage - I & II	53.00

(CAYm2)

S.No	Name of the Person	Designation	Organization	Name of the Course	No. of hours handled
1	Mr. Ranade M. S.	Adjunct Faculty	Thermax Ltd. (Retired)	Engg. Thermodynamics, Applied Thermodynamics, PBL, HVAC, Project Stage - I & II	55.00

(CAYm3)

S.No	Name of the Person	Designation	Organization	Name of the Course	No. of hours handled
1	Mr. Ranade M. S.	Adjunct Faculty	Thermax Ltd. (Retired)	Engg. Thermodynamics, Applied Thermodynamics, PBL, HVAC, Project Stage - I & II	52.00

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 (Scopus/WoS)	50	19	16
2	No. of peer reviewed conference papers published	2	1	3
3	No. of books/book chapters published	1	0	1

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. Bhatkar V. W.		Mechanical Engineering	Vision based object sorting robot manipulator for CPG Industries	Dassault Systemes, India	1 Year	1.00
Dr. Tamkhade P. K.		Mechanical Engineering	Electricity Generation Using In-pipe Turbine from City Drainage systems	ISHRAE	1 Year	0.05
Dr. Bhatkar V. W.		Mechanical Engineering	Design and Development of 1TR, one degree centigrade water chiller	ASHRAE, USA	1 Year	3.94
						Amount received (Rs.):4.99

(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
Mr. Pisal H. C.		Mechanical Engineering	Design and Development of Eco-Friendly Vapour Absorption Refrigeration System using Hybrid Nanofluids	ASHRAE, USA	1 Year	3.95
						Amount received (Rs.):3.95

(CAYm3)

Total Amount (Lacs) Received for the Past 3 Years: 8.94

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)

(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. Kirpekar S. S.	Mr. Khade P. S., Ms. Kulkarni S. S.	Mechanical Engineering	Hands on Training on 3D experience software and Catia Software	FMCIII	1 Week	0.20
						Amount received (Rs.):0.20

Total amount (Lacs) received for the past 3 years: 0.20

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. Patil S.S.	Robocon 2025	1 Year	734713.00	580989.00	AIR 15 and total cash prize of Rs.15,000
Dr. A. D. Desale	SUPRA 2026	1 year	436188.00	540651.00	AIR Overall -8th, cost- 4th , Acceleration-4th, Engineering excellence-4th
Mr. Kale S. G.	BAJA SAEINDIA 2025	1 year	946780.00	897586.00	AIR 1 Virtu Sincsync recognition in innovation event
			Amount received (Rs.): 2117681.00		

(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. Patil S.S.	Robocon 2024	1year	655080.50	438636.87	AIR 5 and total cash prize of Rs.85,000
Mr. Kale S. G.	BAJA SAEINDIA 2024	1 year	602905.00	432860.00	AIR 6 in Sled Pull event, AIR 15 Overall
			Amount received (Rs.): 1257985.50		

(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. Kale S. G.	BAJA 2023	1year	425593.00	402928.00	AIR 8 in Validation event, AIR 9 in Maneuverability, AIR 6 in Design Finals, AIR 15 OVERALL
Mr. Choudhary G. R.	Robocon 2023	1 Year	709047.00	624032.46	"Stage 1 qualified with 98/100. AIR 21 in finals "
Dr. Desale A. D.	ATVC	1 Year	200000.00	164556.00	AIR 8 Overall
			Amount received (Rs.): 1334640.00		

Total amount (Lacs) received for the past 3 years : 4710306.50

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	MB201- Measurement & Metallurgy Lab	20	Binocular Metallurgical Microscope, Jiminy End quench hardness tester, Vickers cum Brinell hardness tester,	ML- 12 hrs, EM	Mr. Salunkhe S. S.	Lab Assistant	ITI, NCVT
2	MB202- Refrigeration & Air conditioning Lab	20	Computerized Ice Plant Test Rig, Vapor Compression Test Rig, Air-conditioning Test Rig	HVAC -12 hrs	Mr. Salunkhe S. S.	Lab Assistant	ITI, NCVT
3	MB203- Kinematics & Dynamics Lab	20	FFT Analyser Model : Portable 4 Channel Sound and Vibration Analyzer , Epicyclic Gear train apparatus,	DOM-12 hrs K(	Mr. Tibile R. R.	Technical Assistant	Diploma in Mechanical Er
4	MB204- Computer Aided Design Lab	20	CATIA V5 R22, , Automation Studio, Desktop Intel CORE i7 systems Qty. 30	DAL - 12 hrs, E	Mr. Tibile R. R.	Technical Assistant	Diploma in Mechanical Er
5	MB205- Computer Aided Engineering Lab	20	ANSYS 24, Hypermesh, MasterCAM X9, Desktop Intel CORE i7 systems Qty. 30	NSM -12 hrs IF	Mr. Lakhe A. R.	Technical Assistant	Diploma in Automobile En
6	MB206- Fluid Mechanics & Heat Transfer Lab	20	Pressure Measurement Apparatus, Bernoulli's Theorem Apparatus, Venturimeter & Orificemeter	TF -12 hrs, HM	Mr. Lakhe A. R.	Technical Assistant	Diploma in Automobile En
7	MB209- Fluid Power & Mechatronics Lab	20	DIY for feeder station with DIY tool kit, Data Acquisition System, Flow control using PID –Neeshonics, X-Y	MTX -12 hrs, E	Mr. Salunkhe S. S.	Lab Assistant	ITI, NCVT
8	MB214- Skill Development Lab	20	3-Cylinder Petrol Engine (800cc), Single cylinder Engine (150cc), cut-sections of front and rear gear-	SD-12hrs, DMI	Mr. Salunkhe S. S.	Lab Assistant	ITI, NCVT
9	MB007a- Power Engineering Lab	20	Steam Power Plant – Boiler, Calorimeter Steam Turbine, and Condenser.	EE – 12 hrs	Mr. Lakhe A. R.	Technical Assistant	Diploma in Automobile En
10	MB007b- Power Engineering Lab	20	Computerized Universal Testing Machine Torsion Testing Machine Fatigue Testing Machine	SM – 12 hrs	Mr. Lakhe A. R.	Technical Assistant	Diploma in Automobile En
11	MB007c- Power Engineering Lab	20	Pelton Turbine Test Rig, Francis Turbine Test Rig, Centrifugal Pump Test Rig, Reciprocating Pump Test	Turbo – 12 hrs	Mr. Tibile R. R.	Technical Assistant	Diploma in Mechanical Er
12	MB007d- Power Engineering Lab	20	Single Cylinder Diesel Engine, Three Cylinder Petrol Engine, Two Stage Reciprocating Air Compressor	AT – 12 hrs	Mr. Salunkhe S. S.	Lab Assistant	ITI, NCVT
13	Workshop	20	Milling M/c, Hydraulic Surface gr. M/c, C N C Lathe Trainer, Lathe m/c 6', Radial drill m/c	30 hrs	Mr. Patil R. S. , Mr. LPJ, M	W/S Instructor	Diploma in Mechanical Er

D2. Safety Measures in Laboratories

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

Sr. No	Laboratory Name	Safety Measures

1	MB201-Measurement & Metallurgy Lab	1) CCTV Surveillance Monitoring 2) DO's, DON'Ts
2	MB202- Refrigeration & Air conditioning Lab	1) CCTV Surveillance Monitoring 2) DO's, DON'Ts
3	MB203- Kinematics & Dynamics Lab	1) CCTV Surveillance Monitoring 2) DO's, DON'Ts
4	MB204- Computer Aided Design Lab	1) CCTV Surveillance Monitoring 2) DO's, DON'Ts
5	MB205- Computer Aided Engineering Lab	1) CCTV Surveillance Monitoring 2) DO's, DON'Ts 3) Fire Extinguisher
6	MB206-Fluid Mechanics & Heat Transfer Lab	1) CCTV Surveillance Monitoring 2) DO's, DON'Ts
7	MB209- Fluid Power & Mechatronics Lab	1) CCTV Surveillance Monitoring 2) DO's, DON'Ts
8	MB214- Skill Development Lab	1) CCTV Surveillance Monitoring 2) DO's, DON'Ts
9	MB007-Power Engineering Lab	1) CCTV Surveillance Monitoring 2) DO's, DON'Ts
10	Workshop	1) CCTV Surveillance Monitoring 2) Workshop layout is displayed. 3) Fire Extinguisher 4) First Aid Box 5) Safety Slogan 6) Safety Charts 7) Goggle and Gloves

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	14.50	21.76	66.15	4.79	1.17	10.46	4.90	10.75
Software	0	0	6.50	1.80	2.50	5.83	8	11.68
SDGs	1.10	0.73	2.75	4.22	4.20	4.15	0.89	1.19
Support for faculty development	0.50	0.28	3.50	1.69	3.05	2.90	7.05	0.62
R & D	18.50	17.58	17.00	32.83	32.00	15.70	1.00	25.13
Industrial Training, Industry expert, Internship	3.83	4.35	6.17	3.70	25.97	3.93	3.75	8.20
Miscellaneous Expenses*	9.28	7.49	23.94	35.40	19.73	13.37	6.97	18.45
Total	**47.71**	**52.19**	**126.01**	**84.43**	**88.62**	**56.34**	**32.56**	**76.02**