

NATIONAL BOARD OF ACCREDITATION

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

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Program Name : Mechanical Engineering	Discipline: Engineering & Technology
Level : Under Graduate	Tier: 1
Application No: 11158	Date of Submission: 28-11-2025

PART A- Profile of the Institute

A1.Name of the Institute: Shri Vile Parle Kelavani Mandals Dwarkadas J Sanghvi College of Engineering	
Year of Establishment : 1994	Location of the Institute: Vile Parle West Mumbai
A2. Institute Address: PLOT NO.U-15, JUHU SCHEME, BHAKTIVEDANTA SWAMI MARG, VILE PARLE (WEST), MUMBAI-400 056	
City:Mumbai-City	State:Maharashtra
Pin Code:400056	Website:www.djsce.ac.in
Email:principal@djsce.ac.in	Phone No(with STD Code):022-42335000
A3. Name and Address of the Affiliating University (if any):	
Name of the University :	City: Mumbai-City
State : Maharashtra	Pin Code: 400032
A4. Type of the Institution: Self-Supported Institute	
A5. Ownership Status: Self financing	

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

- No. of UG programs: **10**
- No. of PG programs: **3**

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

Sr.No.	Discipline	Level of program	Name of the program	Year of Start	Year of Closed	Name of The Department
1	Engineering & Technology	UG	Artificial Intelligence and Data Science	2021	--	Artificial Intelligence and Data Science
2	Engineering & Technology	UG	Artificial Intelligence and Machine Learning	2021	--	Artificial Intelligence and Machine Learning
3	Engineering & Technology	UG	Chemical Engineering	1994	2021	Chemical Engineering
4	Engineering & Technology	PG	Computer Engineering	2012	--	Computer Engineering
5	Engineering & Technology	UG	Computer Engineering	2000	--	Computer Engineering
6	Engineering & Technology	UG	Computer Science and Engineering (Data Science)	2020	--	Computer Science and Engineering (Data Science)
7	Engineering & Technology	UG	Computer Science and Engineering (Internet of Things and Cyber Security including Blockchain Technology)	2021	--	Computer Science and Engineering (Internet of Things and Cyber Security including Blockchain Technology)
8	Engineering & Technology	UG	Electronics and Telecommunication Engineering	1999	--	Electronics and Telecommunication Engineering

9	Engineering & Technology	PG	Electronics and Telecommunication Engineering	2011	--	Electronics and Telecommunication Engineering
10	Engineering & Technology	UG	Electronics Engineering	1994	2021	Electronics Engineering
11	Engineering & Technology	UG	Information Technology	1999	--	Information Technology
12	Engineering & Technology	UG	Mechanical Engineering	2011	--	Mechanical Engineering
13	Engineering & Technology	PG	Mechanical Engineering	2011	--	Mechanical Engineering

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

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

Name of the Department	Having Allied Departments	Name of the Program	Program Level
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 ACCREDITE
1	Mechanical Engineering	UG	2011 / --	60	Yes	2022	180	2022	Western/1-10975389617/2022/EOA dated July 3, 2022.	Granted accreditation for 3 years for the period (specify period)	2018	2025	2

Sanctioned Intake for Last Five Years for the Mechanical Engineering

Academic Year	Sanctioned Intake
2025-26	180
2024-25	180
2023-24	180
2022-23	180
2021-22	120
2020-21	120

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. Atul Dhale
B. Nature of appointment:	Regular

C. Qualification:	Ph.D
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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)	180	180	180	180	120	120	120
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	180	180	180	155	85	119	120
N2=Number of students admitted in 2nd year in the same batch via lateral entry including leftover seats	0	20	22	43	50	15	14
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	9	7	8	8	7	5	8
Total number of students admitted in the program (N1 + N2 + N3 + N4) - excluding those admitted through multiple entry and exit points.	189	207	210	206	142	139	142

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)	180	180	9	105.00
2024-25 (CAYm1)	180	180	7	103.89
2023-24 (CAYm2)	180	180	8	104.44

Average [(ER1 + ER2 + ER3) / 3] = 104.44≅ 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).	170.00	139.00	142.00
B=No. of students who graduated from the program in the stipulated course duration	101.00	126.00	138.00
Success Rate (SR)= (B/A) * 100	59.41	90.65	97.18

Average SR of three batches ((SR_1+ SR_2+ SR_3)/3): 82.41

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)
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Mean of CGPA or mean percentage of all successful students(X)	8.33	7.86	7.20
Y=Total no. of successful students	180.00	173.00	145.00
Z=Total no. of students appeared in the examination	187.00	188.00	163.00
API [X*(Y/Z)]	8.02	7.23	6.40

Average API[(AP1+AP2+AP3)/3] : 7.22

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)	7.87	6.90	7.31
Y=Total no. of successful students	189.00	165.00	109.00
Z=Total no. of students appeared in the examination	195.00	188.00	124.00
API [X * (Y/Z)]	7.63	6.06	6.43

Average API [(AP1 + AP2 + AP3)/3] : 6.71

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)	7.40	7.27	7.31
Y=Total no. of successful students	161.00	102.00	127.00
Z=Total no. of students appeared in the examination	165.00	109.00	128.00
API [X*(Y/Z)]:	7.22	6.80	7.25

Average API [(AP1 + AP2 + AP3)/3] : 7.09

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	170.00	135.00	138.00
X=No. of students placed	53.00	51.00	47.00
Y=No. of students admitted to higher studies	8.00	40.00	65.00
Z= No. of students taking up entrepreneurship	1.00	0.00	1.00
Placement Index(P) = (((X + Y + Z)/FS) * 100):	36.47	67.41	81.88

Average Placement Index = (P_1 + P_2 + P_3)/3: 61.92 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. Hari Vasudevan	XXXXXXXX11G	Ph.D	IIT Bombay	Manufacturing Engineering, World Class Manufacturing	17/08/1994	31.2	Lecturer	Professor	16/07/2007	Regular	Yes		No
2	Dr. Atul Dhale	XXXXXXXX91J	Ph.D	RTMNU, Nagpur	Mechanical Engineering	10/04/2017	8.6	Associate Professor	Professor	02/07/2018	Regular	Yes		Yes
3	Dr. Ashok Tadamalla	XXXXXXXX52J	Ph.D	JNTU, Hyderabad	Mechanical Engineering, Laser Welding	15/01/2025	0.9	Professor	Professor	15/01/2025	Regular	Yes		No
4	Dr. Rajendra S. Khavekar	XXXXXXXX05G	Ph.D	University of Mumbai	Mechanical Engineering	09/02/2000	25.9	Lecturer	Associate Professor	26/10/2023	Regular	Yes		No
5	Dr.Vinayak H Khatawate	XXXXXXXX70F	Ph.D	V.J.T.I, University of Mumbai	Mechanical Engineering	02/07/2018	7.4	Associate Professor	Associate Professor	02/07/2018	Regular	Yes		No
6	Dr. Rajkumar Bhimgonda Patil Paramappa	XXXXXXXX60N	Ph.D	Savitribai Phule Pune University	Design Engineering; Reliability Engineering	21/12/2023	1.10	Associate Professor	Associate Professor	21/12/2023	Regular	Yes		No
7	Dr. Pradip Padmakar Patil	XXXXXXXX69Q	Ph.D	VJTI, University of Mumbai	Production Engineering	25/01/2025	0.9	Associate Professor	Associate Professor	25/01/2025	Regular	Yes		No
8	Dr. Sanjeev Thool	XXXXXXXX32A	Ph.D	NIT Raipur	Thermal Engineering	09/01/2017	8.9	Assistant Professor	Assistant Professor		Regular	Yes		No
9	Dr. Meeta Gandhi	XXXXXXXX02A	Ph.D	University of Mumbai	Mechanical Engineering	11/07/2007	18.3	Lecturer	Assistant Professor		Regular	Yes		No
10	Dr. K.N. Vijayakumar	XXXXXXXX07Q	Ph.D	University of Mumbai	Mechanical Engineering	18/09/2012	13.1	Professor	Professor	18/09/2012	Contractual Fulltime	Yes		No
11	Dr. Sandip H. Mane	XXXXXXXX39M	Ph.D	University of Mumbai	Thermal and Fluid Engineering, Manufacturing	11/07/2011	14.3	Assistant Professor	Assistant Professor		Regular	Yes		No
12	Dr. Ramesh Rajguru	XXXXXXXX32G	Ph.D	University of Mumbai	Manufacturing System Engineering	11/07/2011	14.3	Lecturer	Assistant Professor		Regular	Yes		No
13	Dr. Shashikant Auti	XXXXXXXX97L	Ph.D	University of Mumbai	Mechanical Engineering	09/01/2017	8.9	Assistant Professor	Assistant Professor		Regular	Yes		No
14	Dr. Amit A. Chaudhari	XXXXXXXX96H	Ph.D	University of Mumbai	Mechanical Engineering	02/07/2012	13.4	Assistant Professor	Assistant Professor		Regular	Yes		No

15	Dr. N. C. Deshpande	XXXXXXX00J	Ph.D	University of Mumbai	Mechanical Engineering	07/01/1997	28.10	Lecturer	Assistant Professor		Regular	Yes		No
16	Dr. Bronin Cyriac	XXXXXXX70C	Ph.D	University of Mumbai	Thermal Engineering	04/01/2016	9.10	Assistant Professor	Assistant Professor		Regular	Yes		No
17	Dr. Makrand Rakshe	XXXXXXX12F	Ph.D	IIT Bombay	Mechanical Engineering	15/01/2025	0.9	Assistant Professor	Assistant Professor		Regular	Yes		No
18	Dr. Ashwini Gotmare	XXXXXXX38R	Ph.D	University of Mumbai	Design Engineering; Industry 4.0	15/01/2025	0.9	Assistant Professor	Assistant Professor		Regular	Yes		No
19	Sandeep R. Vaity	XXXXXXX41D	M.E.	University of Mumbai	Manufacturing Systems Engineering	02/01/1998	27.10	Lecturer	Assistant Professor		Regular	Yes		No
20	Avadhut Samant	XXXXXXX37R	M.E.	University of Mumbai	Production Engineering	07/07/2008	17.4	Lecturer	Assistant Professor		Regular	Yes		No
21	Prasad Shirodkar	XXXXXXX60N	M.E.	University of Mumbai	Mechanical Engineering (Machine Design)	10/01/2011	14.9	Assistant Professor	Assistant Professor		Regular	Yes		No
22	Mehul S. Prajapati	XXXXXXX49R	M.Tech	VJTI	Production Engineering	11/07/2011	14.3	Assistant Professor	Assistant Professor		Regular	Yes		No
23	Trupti Markose	XXXXXXX09G	M.E.	M S University Baroda	Mechanical Engineering (Production Engineering)	18/07/2011	14.3	Assistant Professor	Assistant Professor		Regular	Yes		No
24	Rajnarayan Yadav	XXXXXXX21N	M.Tech	IIT-BHU	Machine Design	02/07/2012	13.4	Assistant Professor	Assistant Professor		Regular	Yes		No
25	Vyankatesh U. Bagal	XXXXXXX73A	M.E.	Shivaji University	Heat Power Engineering	12/07/2012	13.3	Assistant Professor	Assistant Professor		Regular	Yes		No
26	Dhaval Birajdar	XXXXXXX66B	M.E.	University of Mumbai	Thermal Engineering	09/07/2013	12.3	Assistant Professor	Assistant Professor		Regular	Yes		No
27	Dharam Ranka	XXXXXXX44M	M.E.	University of Mumbai	Mechanical Engineering	07/08/2014	11.3	Assistant Professor	Assistant Professor		Regular	Yes		No
28	Vinit Katira	XXXXXXX35Q	M.Tech	University of Mumbai	Thermal Engineering	08/07/2014	11.4	Assistant Professor	Assistant Professor		Regular	Yes		No
29	Rohit Chaurasia	XXXXXXX13C	M.E.	NMU	Machine Design	05/01/2015	10.10	Assistant Professor	Assistant Professor		Regular	Yes		No
30	Sanket D. Parab	XXXXXXX19R	M.E.	University of Mumbai	CAD CAM and Robotics	05/01/2015	10.10	Assistant Professor	Assistant Professor		Regular	Yes		No
31	Dhananjay Shukla	XXXXXXX99K	M.Tech	University of Mumbai	Thermal Engineering	05/01/2015	10.10	Assistant Professor	Assistant Professor		Regular	Yes		No
32	Prashantkumar Patankar	XXXXXXX79R	M.E.	University of Mumbai	Machine Design	21/01/2015	10.9	Assistant Professor	Assistant Professor		Regular	Yes		No
33	Kartik Ajugia	XXXXXXX97E	M.Tech	University of Mumbai	Thermal Engineering	04/01/2016	9.10	Assistant Professor	Assistant Professor		Regular	Yes		No

34	Pavan Rayar	XXXXXXX31M	M.E.	University of Mumbai	CAD CAM and Robotics	06/01/2016	9.10	Assistant Professor	Assistant Professor		Regular	Yes		No
35	Greegory Mathew	XXXXXXX18Q	M.Tech	University of Mumbai	Machine Design	01/11/2016	9	Assistant Professor	Assistant Professor		Regular	Yes		No
36	Ravikant Hattale	XXXXXXX19G	M.Tech	NIT Warangal	Metallurgy	09/01/2017	8.9	Assistant Professor	Assistant Professor		Regular	Yes		No
37	Dr. Ranjit Anil Patil	XXXXXXX44F	Ph.D	University of Mumbai	Mechanical Engineering	11/12/2023	1.10	Assistant Professor	Assistant Professor		Regular	Yes		No
38	Rehan Siddiqui	XXXXXXX91G	M.Tech	University of Mumbai	Machine Design	02/01/2025	0.10	Assistant Professor	Assistant Professor		Regular	Yes		No
39	Dr. Poonam Deshmukh	XXXXXXX96P	Ph.D	IIT, INDORE	Mechanical Engineering	25/01/2025	0.9	Assistant Professor	Assistant Professor		Regular	Yes		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	198	198	198
UG1.C	198	198	132
UG1.D	198	132	132
UG1: Mechanical Engineering	594	528	462
PG1.A	18	18	18
PG1.B	18	18	18
PG1: Mechanical Engineering	36	36	36
DS=Total no. of students in all UG and PG programs in the Department	630	564	498
AS=Total no. of students of all UG and PG programs in allied departments	0	0	0

Description	CAY(2025-26)	CAYm1 (2024-25)	CAYm2 (2023-24)
S=Total no. of students in the Department (DS) and allied departments (AS)	S1= 630	S2= 564	S3= 498
DF=Total no. of faculty members in the Department	39	33	31
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= 39	F2= 33	F3= 31
FF=The faculty members in F who have a 100% teaching load in the first-year courses	0	0	0
Student Faculty Ratio (SFR)=S/(F-FF)	SFR1= 16.15	SFR2= 17.09	SFR3= 16.06
Average SFR for 3 years	SFR= 16.43		

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)	20	19	31.00	22.26
2024-25(CAYm1)	14	19	28.00	19.29
2023-24(CAYm2)	10	21	24.00	19.17

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	3.00	3.00	7.00	4.00	21.00	31.00
2024-25	3.00	2.00	6.00	3.00	18.00	27.00
2023-24	2.00	2.00	5.00	1.00	16.00	27.00
Average	RF1=2.67	AF1=2.33	RF2=6.00	AF2=2.67	RF2=18.33	AF2=28.33

C5. Visiting/Adjunct Faculty/Professor of Practice

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

(CAYm1)

S.No	Name of the Person	Designation	Organization	Name of the Course	No. of hours handled
1	Ms. Abira Mukherji	Assistant Professor	Mukesh Patel School of Technology Management and Engineering	Additive Manufacturing Lab	12.00
2	Mr. Samadhan Deshmukh	Assistant Professor	MPSTME	Additive Manufacturing Lab	12.00
3	Dr. T.C. Manjunath	Professor & Head	Dayananda Sagar College of Engineering, Bangalore	AI-ML for Robotics	52.00
4	Dr. T.C. Manjunath	Professor & Head	Dayananda Sagar College of Engineering, Bangalore	Introduction to Robotics	52.00
5	Dr. T.C. Manjunath	Professor & Head	Dayananda Sagar College of Engineering, Bangalore	Robotics	52.00
6	Dr. T.C. Manjunath	Professor & Head	Dayananda Sagar College of Engineering, Bangalore	Advanced Robotics	52.00
7	Mr. Omkar Joshi	Design Engineer	L & T	Design of Machine Elements	26.00
8	Mr. K.P. ChandraMohan	Director	Fourced	Corporate Social Responsibilities	39.00
9	Mr. K.P. ChandraMohan	Director	Fourced	Entrepreneur Development Management	39.00
10	Dr. Satish Takalikar	Retired Professor and Head	DJSCE Mumbai	Advanced Operations Research	39.00
11	Dr. Satish Takalikar	Retired Professor and Head	DJSCE Mumbai	Entrepreneurship Development Management	39.00

(CAYm2)

S.No	Name of the Person	Designation	Organization	Name of the Course	No. of hours handled
1	Dr. T.C. Manjunath	Professor & Head	Dayananda Sagar College of Engineering, Bangalore	Advanced Robotics	52.00
2	Dr. T.C. Manjunath	Professor & Head	Dayananda Sagar College of Engineering, Bangalore	Robotics	52.00
3	Dr. T.C. Manjunath	Professor & Head	Dayananda Sagar College of Engineering, Bangalore	Modelling & Design of Robots	52.00
4	Dr. Satish Takalikar	Retired Professor and Head	DJSCE Mumbai	Research Methodology	39.00

(CAYm3)

S.No	Name of the Person	Designation	Organization	Name of the Course	No. of hours handled
1	Dr. T.C. Manjunath	Professor & Head	Dayananda Sagar College of Engineering, Bangalore	Introduction to Robotics	52.00
2	Dr. T.C. Manjunath	Professor & Head	Dayananda Sagar College of Engineering, Bangalore	AI & ML for Robotics	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	86	3	16
2	No. of peer reviewed conference papers published	10	10	38
3	No. of books/book chapters published	6	0	0

C7. Sponsored Research Project

Table No. C7.1: List of sponsored research 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. Harivasudevan	Dr Ramesh rajguru	Materials & Metallurgy , Mechanical Engineering Department	Investagation of the impact of cutting and tool geometry parameters on surface integrity aspect and cutting force under dry and near dry machining of Nickel base super alloy	AICTE	3 years from 2020	18.08
						Amount received (Rs.):18.08

Total Amount (Lacs) Received for the Past 3 Years: 18.08**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
Dharam Ranka		Design & Fabrication	Innovative Water slide design through Shape functions	Arihant Industrial Corporation Limited	01 years & 06 months	0.70
Dharam Ranka		Design & Fabrication	Fixture automation for lifting FRP modules	Arihant Industrial Corporation Limited	01 years & 06 months	0.15
Rohitkumar Chaurasia		Design & Fabrication	New TOTS design for water parks	Arihant Industrial Corporation Limited	01 years & 06 months	0.50
Ravikant Hattale		Design & Fabrication	Value optimization of a water slide FRP modules	Arihant Industrial Corporation Limited	01 years & 06 months	0.15
Ravikant Hattale		Design & Fabrication	Low cost alternative material for FRP composites	Arihant Industrial Corporation Limited	01 years & 06 months	0.30
						Amount received (Rs.):1.80

(CAYm2)

(CAYm3)

Total amount (Lacs) received for the past 3 years: 1.80**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
Prof. Vinit Katira	DJS Racing	1 year	11.50	11.50	5th in electric category.
Prof. Rajnarayan Yadav	DJS Kronos	1 year	7.25	7.25	1st in Sales 3rd in EMI
Dr.Shashikant Auti	DJS Skylark	1 year	7.00	6.67	(Oral Presentation) 2nd Regular Class
Prof. Dharam Ranka	DJS Karting	1 year	3.00	3.00	1st Place Quick Piston Cup
Dr.Bronin Cyriac	DJS Helio	1 year	2.65	2.65	(ESVC 300), securing 2nd rank Report
Dr. K.N. Vijayakumar	DJS Speedster	1 year	3.00	3.00	FMAE MotoStudent Season 3
Dr. R. R. Rajguru	DJS Phonix	1 year	0.60	0.60	Drone Dextirity 2025 - AIR 2
Prof.Gregory Mathew	DJS Miles	1 year	4.00	4.00	Participated in Shell Eco Marathon 2024
Prof. Ravikant Hattale	DJS Quadcross	1 year	1.50	1.50	Nil
Prof. Kartik Ajugia	DJS Impulse	1 year	1.50	1.50	Nil
Prof. Rohit Chaurasia	DJS Astra	1 year	1.50	0.72	Overall 5th rank in Robowars 15kg
Prof. Sanket Parab	DJS Nirmiti	1 year	0.50	0.27	Events like CAD Mania and Line to Design were organized
Prof. Pavan Rayar	DJS Robocon	1 year	1.50	1.50	Qualified for final round
			Amount received (Rs.): 45.50		

(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
Prof. Vinit Katira	DJS Racing Team	1 year	11.00	11.00	Overall 8th in electric category
Prof. Rajnarayan Yadav	DJS Kronos Team	1 year	6.75	6.75	ATVC 2024 Design & Cost Event: 1st Place Innovation: 2nd Place Business plan Event: 3rd Place Overall : 4th Place
Dr.Shashikant Auti	DJS Skylark Team	1 year	6.25	6.25	1st Micro Class (Design Report) 2nd Regular Class (Design Report) 3rd Regular Class (Technical Presentation)
Prof. Dharam Ranka	DJS Karting	1 year	2.25	2.25	Go Kart Design Challenge (GKDC), at Kari Motor Speedways, Coimbatore 5th Overall 4th in Design category
Dr.Bronin Cyriac	DJS Helios	1 year	1.75	1.75	(ESVC 300), securing 4th rank in the Design Report (Prelims), 6th rank in the Innovation Round, 9th rank in the B-Plan and Cost Report
Dr. K.N. Vijayakumar	DJS Speedsters	1 year	2.50	2.50	FMAE MotoStudent Season 2 AIR 1 (Overall Winners in EV category) Winner: Design evaluation Winner: Endurance
Dr. R. R. Rajguru	DJS Phoenix	1 year	0.50	0.50	Participated in the following competitions- 1. SAE India AeroTHON 2024 - AIR 2 in presentation.
Prof.Gregory Mathew	DJS Miles	1 year	3.50	3.50	NIL
Prof. Ravikant Hattale	DJS Quadcross Bike	1 year	1.00	0.00	NIL
Prof. Kartik Ajugia	DJS Impulse	1 year	1.00	0.00	NIL
Prof. Rohit Chaurasia	DJS Astra	1 year	1.00	1.00	Sardar Vallabhbhai Patel Institute of Technology, Surat, MINDBEND 2024. Overall 5th rank in Robowars 15kg Category.
			Amount received (Rs.): 37.50		

(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
Prof.Vinit Katira	DJS RACING	1 Year	11.50	11.50	Formula Bharat 2023. Overall Rank - 5th, Cost and Manufacturing - 2nd, Engineering Design - 5th, Business Plan Presentation - 9th
Prof.Rajnarayan Yadav	DJS KRONOS	1 Year	7.50	7.50	E-Baja 2022-23 2nd in Sales Report M-Baja 2022-23 4th in CAE Report 4th in Cost Report 2nd AIR in Preliminary Rounds
Dr.Shashikant Auti	DJS SKYLARK	1 Year	6.25	6.25	Micro Class (Oral Presentation) 2nd Regular Class (Design Report) 2nd
Prof.Dharam Ranka	DJS KARTING	1 Year	2.50	2.50	Indian Karting Championship, at Mohite's Racing Academy in Kolhapur; Overall Rank - 2nd , Computer Aided Design - 2nd
Dr.Bronin Cyriac	DJS HELIOS	1 Year	2.00	2.00	ESVC 3000 , where they secured 9th place in the B-Plan and Cost Report, 6th place in the Innovation Round, and 4th place in the Design Report.
Prof.Greegory Mathew	DJ MILES	1 Year	3.40	3.40	2nd in Future Rider Challenge
Dr. R. R. Rajguru	DJS PHOENIX	1 Year	0.60	0.60	NIL
Dr.K.N.Vijayakumar	DJS SPEEDSTER	1 Year	1.50	1.50	FMAE Moto Student Season 1 Winner: Design & CAE Winner: Acceleration
Prof.Pavan Rayar	DJS ROBOCON	1 Year	1.50	1.50	Scored 99/100 in Stage 1 of DD Robocon 2023 competition and made way to next stage.
Prof.Rohit charausia	DJS ASTRA	1 Year	1.00	1.00	BITS Goa ,Quark 2023. Overall 7th rank in Robowars 15kg Category.
			Amount received (Rs.): 37.75		

Total amount (Lacs) received for the past 3 years : 120.75

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	Strength of Materials Laboratory	18	Torsion Testing Machine, Rockwell cum Brinell Hardness Tester, Universal Testing Machine, Impact Testing Machine, Deflection of Beam Apparatus	Mechanics of M	Mr. Gaurav Sapte Mr. F	Lab Assistant Instructor	Diploma ITI / NCTVT
2	Fluid Mechanics & Machinery Laboratory	18	Rotameter, Venturimeter and Orifice Meter Apparatus Test Rig, Friction on Pipe Apparatus, Bernoulli's Apparatus, Metacenter's Test Rig	Fluid Mechanic	Mr. Gaurav Sapte Mr. F	Lab Assistant Instructor	Diploma ITI / NCTVT
3	Mechanical Measurements and Metrology Laboratory	18	Dead Weight Pressure Gauge Tester, Torque Measurement using Strain Gauge, Speed Measurement Setup, Rotameter Test Rig	Mechanical Me	Mr. Sushant S. Vanne M	Lab Assistant Instructo	Diploma ITI / NCTVT

4	CAMD Laboratory	36	Computers with necessary software like ANSYS, MATLAB, SciLab, MasterCAM, Autodesk Inventor, Autodesk Fusion 360, SolidCAM, etc. along with AutoCAD.	Database Man:	Mrs. Vaishali Joshi	Lab Assistant	Diploma
5	Engineering Materials Laboratory	18	Trinocular Metallurgical Microscope with Camera Attachment, Monocular Metallurgical Microscope, Tensile and Compressive Test Equipment with Muffle Furnace.	Engineering M:	Mrs. Vaishali Joshi Mr.	Lab Assistant Instructo	Diploma ITI / NCTVT
6	Machine Shop	18	All Geared Lathe Machines, Universal Milling Machines, Shaping Machines, Cylindrical Grinding Machine, Bedded Drilling Machine, Pillar Drill	Manufacturing	Mr. Ganesh Wadke Mr	Instructor Instructor	ITI / NCTVT ITI / NCTV
7	Heat Transfer Laboratory	18	Heat Transfer in Natural Convection, Heat Transfer in Forced Convection, Pin Fin Apparatus, Emissivity Measurement Apparatus, Thermal Conductivity of	Heat Transfer	Mrs. Vaishali Joshi Mr.	Lab Assistant Instructo	Diploma ITI / NCTVT
8	Theory of Machines Laboratory	18	Gyroscope, Universal Governor Apparatus, Simple Pendulum, Compound Pendulum, Spring in Series and Parallel Apparatus, Models of Clutches and	Dynamics of M	Mr. Sushant S. Vanne	Lab Assistant	Diploma
9	Automation and Robotics Laboratory	18	Basic Pneumatics Kit, Basic Electro-Pneumatics Kit, PLC Trainer Kit, Sensors and Actuators Study Station, Feedback Control and Servo Mechanism	Production Pla	Mr. Gaurav Sapte Mr. S	Lab Assistant Instructor	Diploma Diploma
10	Design Analytics Laboratory	18	Computers with MATLAB, Python, Fusion 360, ANSYS, OpenFOAM, etc.	Professional ar	Mr. Sushant S. Vanne	Lab Assistant	Diploma
11	Internal Combustion Engine Laboratory	18	Single-cylinder 4-stroke diesel engine, Three-cylinder 4-stroke petrol engine	Automotive Pri	Mr. Gaurav Sapte Mr. N	Lab Assistant Instructor	Diploma ITI / NCTVT

D2. Safety Measures in Laboratories

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

Sr. No	Laboratory Name	Safety Measures
1	Strength of Materials Laboratory	Display of safety instructions, MCB (Main Circuit Breaker) switches, ELCB (Earth Leakage Circuit Breaker) switches, Availability of firefighting equipment, Guarding on moving parts, Smoke detectors, First aid kit.
2	Fluid Mechanics & Machinery Laboratory	MCB switches, ELCB switches, Firefighting equipment on each floor, Smoke detectors, First aid kit, Non-slip mats, Display of safety instructions.
3	Mechanical Measurements and Metrology Laboratory	MCB switches, ELCB switches, Firefighting equipment on each floor, Smoke detectors, First aid kit, Non-slip mats, Display of safety instructions.
4	CAMD Laboratory	MCB switches, ELCB switches, Firefighting equipment on each floor, Smoke detectors, First aid kit, Antivirus and firewall protection, User access control.

5	Machine Shop	MCB switches and ELCB switches for electrical safety, fire extinguishers, smoke detectors, and first-aid kits are provided in the machine shop. Mandatory use of personal protective equipment (PPE) including apron, safety goggles, safety shoes, and hand gloves is strictly followed. Machine guards are provided on rotating and moving parts to prevent accidental contact. Proper earthing of machines, emergency power cut-off provisions, and clear safety instructions and warning signage are displayed at prominent locations. Proper housekeeping ensure a clean and safe working environment. Trained technical staff supervise all machining operations to ensure safe handling of machines and tools.
6	Heat Transfer Laboratory	MCB switches, ELCB switches, Firefighting equipment on each floor, Smoke detectors, Display of safety instructions, First aid kit.
7	Theory of Machines Laboratory	MCB switches, ELCB switches, Firefighting equipment on each floor, Smoke detectors, First aid kit, Display of safety instructions.
8	Automation and Robotics Laboratory	MCB switches, ELCB switches, Firefighting equipment on each floor, Smoke detectors, First aid kit, Emergency stop switches, Pneumatic pressure limiters, Warning signs around moving robotic/pneumatic systems.
9	Design Analytics Laboratory	MCB switches, ELCB switches, Firefighting equipment on each floor, Smoke detectors, First aid kit, Antivirus and firewall protection, User access control.
10	Engineering Materials Laboratory	MCB switches, ELCB switches, Firefighting equipment on each floor, Smoke detectors, First aid kit, Heat-insulated gloves for high-temperature equipment, Display of safety instructions.
11	Internal Combustion Engine Laboratory	MCB switches, ELCB switches, Fire extinguisher, Smoke detectors, First aid kit, Display of safety instructions.

D3. Project Laboratory/Research Laboratory

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

S.N.	Name of the Laboratory
1	Advanced Manufacturing Laboratory: The laboratory is equipped with modern CNC facilities including a CNC Vertical Machining Center (VMC) and a CNC Turning Center. The lab is used for training students in CNC programming, machine operation, and advanced manufacturing practices, along with supporting advanced project work, research activities, and industry-oriented skill development.
2	Project Laboratory: The Project Laboratory is equipped with desktop computers to support literature survey, technical documentation, and design and analysis activities. The laboratory is installed with softwares for modelling, simulation, and data analysis, and includes GPU-enabled computing systems to support computationally intensive tasks such as advanced simulations, data processing, and optimization studies. The lab is also equipped with 3D printing facilities for rapid prototyping and iterative design development. It is used by students for mini-projects, Innovative Product Development (IPD), final-year projects, and research-oriented activities, and also supports student technical teams in design validation, testing, and prototype fabrication.
3	Idea Lab: The Idea Lab provides a dedicated space for ideation, prototyping, and innovation-based learning. It is actively used by students for IPD, mini-projects, chapter-based activities, and proof-of-concept development, encouraging creativity, hands-on learning, and interdisciplinary collaboration.



Figure 7.5.1 Advanced Manufacturing Laboratory



Figure 7.5.2 Idea Lab

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 $\frac{((NS1 \times 0.8) + (NS2 \times 0.2))}{(\text{No. of required faculty (RF4)})}$; Percentage= $\frac{((NS1 \times 0.8) + (NS2 \times 0.2))}{RF}$
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2023-24(CAYm2)	1020	51	30	63	72
2024-25(CAYm1)	1140	57	32	73	71
2025-26(CAY)	1140	57	35	91	81

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	854118000	34632561	843561000	838527403.5	835851500	827543753	840048000	835642238
Library	4579000	364148	4361000	3248174	3895000	2863073	4060000	3361702
Laboratory equipment	26629000	4627412	33896000	17193131	71667000	58940702	48550000	84624763
Teaching and non-teaching staff salary	643779000	315224892	585136000	558417757	518124000	505463875	450432000	430345267
Outreach Programs	10830500	3980202	9912000	11902438	4791000	6100929.5	7745000	3401517.5
R&D	3162500	539716	2875000	2815511.5	3664000	2411262	2150000	2540172.5
Training, Placement and Industry linkage	19047000	8194299	17358000	15453734	22170000	16085724	30235000	14561457
SDGs	5389500	472422	4901000	4945243	5695500	3964070	6750000	4409988.5
Entrepreneurship	2126500	79851	1941000	1680585	1925000	1846035.5	2000000	1678132.5
Others, specify	17658000	7510741	16170000	15125081	23555000	18502423	16793000	10681097
Total	1587319000	375626244	1520111000	1469309058.0	1491338000	1443721847.0	1408763000	1391246335.0

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	1990193	256102	2209737	1685775	4801610	5023902	532022	1665014
Software	1277392	3103	1135703	1217552	2117681	871464	1662352	1756153
SDGs	874889	76689.5	781863	788921.5	934691.5	650545	1119289	731267
Support for faculty development	87823	7127	79925	77345	67614	69581	109441	54744

R & D	513375.5	87613.5	458652.5	449162.5	601300.5	395713	356514.5	421213
Industrial Training, Industry expert, Internship	3275227	1581078	2967433	2898763	3790739	2980036	5030676	2456214
Miscellaneous Expenses*	248840192.5	58723436	233061063.5	227924244	227776493	223551680	218973288.5	213087203
Total	256859092.0	60735149.0	240694377.0	235041763.0	240090129.0	233542921	227783583.0	220171808