

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 : 11576	Date of Submission : 06-02-2026

PART A- Profile of the Institute

A1. Name of the Institute: JAIN COLLEGE OF ENGINEERING BELAGAVI	
Year of Establishment : 2010	Location of the Institute: 15796346 74473866
A2. Institute Address: 599/2, T. S. Nagar, Hunchanhatti Cross, Machhe, Belagavi - 590014	
City:Belgaum	State:Karnataka
Pin Code:590014	Website:www.jce.ac.in
Email:principal@jainbgm.in	Phone No(with STD Code):0831-2411192
A3. Name and Address of the Affiliating University (if any):	
Name of the University : Visvesvaraya Technological University	City: Belgaum
State : Karnataka	Pin Code: 590014
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: 6
- No. of PG programs: 4

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	2011	--	Computer Application
2	Engineering & Technology	UG	Civil Engineering	2010	--	Civil Engineering
3	Engineering & Technology	UG	Computer Science and Engineering	2010	--	Computer Science and Engineering
4	Engineering & Technology	UG	Computer Science and Engineering (Artificial Intelligence & Machine Learning)	2023	--	Computer Science and Engineering (Artificial Intelligence and Machine Learning)
5	Engineering & Technology	PG	Construction Technology	2014	--	Civil Engineering
6	Engineering & Technology	UG	Electrical and Electronics Engineering	2010	--	Electrical and Electronics Engineering
7	Engineering & Technology	UG	Electronics & Communication Engineering	2010	--	Electronics and Communication Engineering
8	Engineering & Technology	UG	Mechanical Engineering	2010	--	Mechanical Engineering

9	Engineering & Technology	PG	Power Systems Engineering	2014	2022	Electrical and Electronics Engineering
10	Management	PG	Master of Business Administration	2010	--	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
Civil Engineering	No	Civil Engineering	UG
Mechanical Engineering	No	Mechanical Engineering	UG
Electrical and Electronics Engineering	No	Electrical and Electronics 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	2010 / --	60	Yes	2022	60	2022	F.No. South-West/1-10969439174/2022/EOA, Date: 03-Jul-2022	Applying first time	--	--	0	4

Sanctioned Intake for Last Five Years for the Mechanical Engineering

Academic Year	Sanctioned Intake
2025-26	60
2024-25	60
2023-24	60
2022-23	60
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. BASAVARAJ VEERAPPA HUBBALLI
B. Nature of appointment:	Regular
C. Qualification:	Ph.D

B3. Program Details

Table No.B3.1: Admission details for the program excluding those admitted through multiple entry and exit points.

Item (Information to be provided cumulatively for all the shifts with explicit headings, wherever applicable)	2025-26 (CAY)	2024-25 (CAYm1)	2023-24 (CAYm2)	2022-23 (CAYm3)	2021-22 (CAYm4)	2020-21 (CAYm5)	2019-20 (CAYm6)
N=Sanctioned intake of the program (as per AICTE /Competent authority)	60	60	60	60	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	27	29	10	5	3	12	66
N2=Number of students admitted in 2nd year in the same batch via lateral entry including leftover seats	0	36	55	51	33	22	109
N3=Separate division if any	0	0	0	0	0	0	0
N4=Total no. of students admitted in the 1st year via all supernumerary quotas	3	3	1	2	1	4	6
Total number of students admitted in the program (N1 + N2 + N3 + N4) - excluding those admitted through multiple entry and exit points.	30	68	66	58	37	38	181

CAY= Current Academic Year. CAYm1= Current Academic Year Minus 1 CAYm2= Current Academic Year Minus 2. LYG= Last Year Graduate. LYGm1= Last Year Graduate Minus 1. LYGm2= Last Year Graduate Minus 2.

B4. Enrolment Ratio in the First Year

Table No. B4.1: Student enrolment ratio in the 1st year.

Year of entry	N (From Table 4.1)	N1 (From Table 4.1)	N4 (From Table 4.1)	Enrollment Ratio [(N1/N)*100]
2025-26 (CAY)	60	27	3	50.00
2024-25 (CAYm1)	60	29	3	53.33
2023-24 (CAYm2)	60	10	1	18.33

Average [(ER1 + ER2 + ER3) / 3] = 40.55= 5.00

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).	153.00	202.00	289.00
B=No. of students who graduated from the program in the stipulated course duration	37.00	37.00	174.00
Success Rate (SR)=(B/A) * 100	24.18	18.32	60.21

Average SR of three batches ((SR_1+ SR_2+ SR_3)/3): 34.24

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)	5.41	3.74	7.13
Y=Total no. of successful students	31.00	7.00	7.00

Z=Total no. of students appeared in the examination	32.00	11.00	7.00
API [X*(Y/Z)]	5.24	2.38	7.13

Average API[(AP1+AP2+AP3)/3] : 4.92

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)	4.67	6.18	7.36
Y=Total no. of successful students	62.00	57.00	37.00
Z=Total no. of students appeared in the examination	62.00	58.00	37.00
API [X * (Y/Z)]	4.67	6.07	7.36

Average API [(AP1 + AP2 + AP3)/3] : 6.03

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)	6.50	6.94	6.83
Y=Total no. of successful students	57.00	37.00	37.00
Z=Total no. of students appeared in the examination	57.00	37.00	38.00
API [X*(Y/Z)]:	6.50	6.94	6.65

Average API [(AP1 + AP2 + AP3)/3] : 6.70

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	153.00	202.00	289.00
X=No. of students placed	23.00	15.00	60.00
Y=No. of students admitted to higher studies	0.00	1.00	2.00
Z= No. of students taking up entrepreneurship	0.00	1.00	3.00
Placement Index(P) = (((X + Y + Z)/FS) * 100):	15.03	8.42	22.49

Average Placement Index = (P_1 + P_2 + P_3)/3: 15.31 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. J. SHIVAKUMAR	XXXXXXXX12N	Ph.D	IIT Khragpur	Machine Design	12/11/2021	4.2	Professor	Professor	12/11/2021	Regular	Yes		No
2	Dr. BASAVARAJ VEERAPPA HUBBALLI	XXXXXXXX23M	Ph.D	VTU Belagavi	Production Management	21/03/2011	14.10	Assistant Professor	Professor	23/06/2023	Regular	Yes		Yes
3	Dr. RATAN ARJUN PATIL	XXXXXXXX77J	Ph.D	VTU Belagavi	Design Engineering	27/07/2011	14.6	Assistant Professor	Associate Professor	01/03/2023	Regular	Yes		No
4	Dr. ANAND KADAPPA HOSAMANI	XXXXXXXX61G	Ph.D	VTU Belagavi	Product Design & Manufacturing	22/07/2013	12.6	Assistant Professor	Associate Professor	01/07/2024	Regular	Yes		No
5	Dr. MADHAVI P SONWALKAR	XXXXXXXX83D	Ph.D	VTU Belagavi	Computer Integrated Mfg	22/07/2013	12.6	Assistant Professor	Assistant Professor		Regular	Yes		No
6	PAVAN PADARA	XXXXXXXX19K	M.Tech	VTU Belagavi	Machine Design	23/07/2012	13.6	Assistant Professor	Assistant Professor		Regular	Yes		No
7	JAGADEESH S PATTANASHETTI	XXXXXXXX98P	M.Tech	VTU Belagavi	Thermal Power Engineering	22/07/2013	12.6	Assistant Professor	Assistant Professor		Regular	Yes		No
8	VINAYAK M NANNOJI	XXXXXXXX74L	M.Tech	VTU Belagavi	Product Design & Manufacturing	22/07/2013	12.6	Assistant Professor	Assistant Professor		Regular	Yes		No
9	NARAYAN W MANNURKAR	XXXXXXXX03D	M.Tech	VTU Belagavi	Product Design & Manufacturing	08/08/2013	12.5	Assistant Professor	Assistant Professor		Regular	Yes		No
10	RAJSHEKHAR VEERAPPA UNNI	XXXXXXXX94N	M.Tech	SSAHE, Tumkur	Thermal Power Engineering	22/07/2014	11.6	Assistant Professor	Assistant Professor		Regular	Yes		No
11	DARSHAN MARUTI KATGERI	XXXXXXXX94B	M.Tech	VTU Belagavi	Computer Integrated Mfg	23/07/2014	11.6	Assistant Professor	Assistant Professor		Regular	Yes		No
12	VINAYAK RATAN	XXXXXXXX10A	M.Tech	VTU Belagavi	Engineering Analysis & Design	02/02/2015	11	Assistant Professor	Assistant Professor		Regular	Yes		No
13	UTTAM SHANTINATH KORUCHE	XXXXXXXX30L	M.Tech	VTU Belagavi	Design Engineering	18/07/2016	9.6	Assistant Professor	Assistant Professor		Regular	Yes		No
14	M. SREEDHAR BABU	XXXXXXXX35B	Ph.D	BITS Pilani Goa	Thermal Engineering	20/07/2017	6.10	Associate Professor	Associate Professor	20/07/2017	Regular	No	31/05/2024	No
15	PAVAN KUMARA	XXXXXXXX66J	Ph.D	VTU Belagavi	Production Engineering	08/11/2021	3.8	Assistant Professor	Assistant Professor		Regular	No	31/05/2025	No

16	BASAVARAJ YASHAVANTGOUDA PATIL	XXXXXXXX83R	M.E.	IISc Bengaluru	Mechanical Engineering	03/12/2013	10.5	Associate Professor	Associate Professor		Regular	No	25/05/2024	No
17	SRINATH SUDHEER GHIVARI	XXXXXXXX09B	M.Tech	VTU Belagavi	Thermal Power Engineering	21/08/2017	7.10	Assistant Professor	Assistant Professor		Regular	No	30/06/2025	No
18	VINAYAK SHIVANAND UPPIN	XXXXXXXX35H	M.Tech	VTU Belagavi	Engineering Analysis & Design	25/07/2018	7	Assistant Professor	Assistant Professor		Regular	No	31/07/2025	No
19	BHASKAR PADMAKANT BOGAR	XXXXXXXX72F	M.Tech	VTU Belagavi	Machine Design	26/01/2015	9.4	Assistant Professor	Assistant Professor		Regular	No	31/05/2024	No
20	RAGHUPATI B MUGNUR	XXXXXXXX27B	M.Tech	VTU Belagavi	Product Design & Manufacturing	25/07/2013	11	Assistant Professor	Assistant Professor		Regular	No	31/05/2024	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 Department0

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

Description	CAY(2025-26)	CAYm1 (2024-25)	CAYm2 (2023-24)
UG1.B	66	66	66
UG1.C	66	66	132
UG1.D	66	132	198
UG1: Mechanical Engineering	198	264	396
DS=Total no. of students in all UG and PG programs in the Department	198	264	396
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= 198	S2= 264	S3= 396

Description	CAY(2025-26)	CAYm1 (2024-25)	CAYm2 (2023-24)
DF=Total no. of faculty members in the Department	13	16	20
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= 13	F2= 16	F3= 20
FF=The faculty members in F who have a 100% teaching load in the first-year courses	4	4	3
Student Faculty Ratio (SFR)=S/(F-FF)	SFR1= 22.00	SFR2= 22.00	SFR3= 23.29
Average SFR for 3 years	SFR= 22.43		

C3. Faculty Qualification

- Faculty qualification index (FQ) = $2.5 * [(10X + 4Y)/RF]$ 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)	5	8	9.00	22.78
2024-25(CAYm1)	6	10	13.00	19.23
2023-24(CAYm2)	6	14	19.00	15.26

C4. Faculty Cadre Proportion

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

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

Year	Professors		Associate Professors		Assistant Professors	
	Required RF1	Available AF1	Required RF2	Available AF1	Required RF3	Available AF3
2025-26	1.00	2.00	2.00	2.00	6.00	9.00
2024-25	1.00	2.00	2.00	2.00	8.00	12.00
2023-24	2.00	2.00	4.00	2.00	13.00	16.00
Average	RF1=1.33	AF1=2.00	RF2=2.67	AF2=2.00	RF2=9.00	AF2=12.33

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	Prof. B. Y. Patil	Associate Professor	Retired Professor	Basic Thermodynamics / Fluid Mechanics	50.00

(CAYm2)

S.No	Name of the Person	Designation	Organization	Name of the Course	No. of hours handled
1	Prof. B. Y. Patil	Associate Professor	Retired Professor	Basic Thermodynamics / Fluid Mechanics	50.00

(CAYm3)

S.No	Name of the Person	Designation	Organization	Name of the Course	No. of hours handled
1	Prof. B. Y. Patil	Associate Professor	Retired Professor	Thermo-fluids Engineering / Heat Transfer	50.00

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	3	1	7
2	No. of peer reviewed conference papers published	1	3	0
3	No. of books/book chapters published	0	0	2

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
-	-	-	-	-	-	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
Prof. Jagadeesh S. Pattanashetti	-	Mechanical	Shrinkage defects in Dust Collar	RE-MSME	1 Year	0.05
Dr. Ratan Patil	Dr. Anand K Hosamani	Mechanical	Elimination of blow holes in Flange roller	RE-MSME	1 Year	0.05
						Amount received (Rs.):0.10

(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
Prof. Narayan Mannurkar	-	Mechanical	Universal Fixture for Leakage Testing	RE-MSME	6 Months	0.05
Prof. Rajshekhar Unni	-	Mechanical	Analysis and controlling of heat transfer in shell mould pattern	RE-MSME	6 Months	0.05
Prof. Vinayak Ratan	-	Mechanical	Mechanical Weighing scale with Digital Display	RE-MSME	6 Months	0.05
Prof. Madhavi Magi	-	Mechanical	Knocking time reduction in fettling of Casting Products	RE-MSME	6 Months	0.05
						Amount received (Rs.):0.20

Total Amount (Lacs) Received for the Past 3 Years: 0.30

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. J Shivakumar	Dr. Ratan Patil	Mechanical	AICTE Idea Lab	AICTE	2 years	90.00
						Amount received (Rs.):90.00

(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
Dr. J Shivakumar	Dr. Ratan Patil	Mechanical	PMKVY 4.0	NSDC	1 Year	8.40
						Amount received (Rs.):8.40

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

Total amount (Lacs) received for the past 3 years: 98.40

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

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

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

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

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	Materials Testing Laboratory	22	UTM, Torsion Testing machine, Hardness Testing machine, Impact Testing machine, Wear Testing Machine	3 batches (9)	Parshuram Rajangali	Assistant Instructor	ITI
2	Machine Shop Laboratory	22	Lathe Machine, Milling Machine, Shaping Machine, Grinding Machine, Haxa Cutter Machine, Drilling Machine	3 batches (9)	Manjappa Korgar	Instructor	ITI, BA
3	Mechanical Measurement & Metrology Laboratory	22	LVDT, Sine bar, Pressure Gauge, Load cell	3 batches (9)	Pankaj Budannavar	Foreman	BE
4	Heat and Mass Transfer Laboratory	22	Heat Exchanger, Pin-Fin, Unsteady , Radiation	3 batches (9)	C.B Patil	Foreman	DME,PDTD

5	Design Laboratory	22	Whirling of shaft, Gyroscope, Governor	3 batches (9	Manjappa Korgar	Instructor	ITI, BA
6	Computer aided Engineering Drawing laboratory	33	High Configuration Computers, Projector, UPS, Printers	10 batches (30	Ravindra Hunchali	Instructor	DME
7	Finite Element Analysis Laboratory	33	High Configuration Computers, Projector, UPS, Printers	2 batches (3 H	Ravindra Hunchali	Assistant Instructor	ITI
8	CNC Programming and 3D Printing Laboratory	33	High Configuration Computers, Projector, UPS, Printers, 3D Printing Machines	1 batch (3 Hou	Ravindra Hunchali	Instructor	DME
9	Introduction to Modeling & Design for Manufacturing	33	High Configuration Computers, Projector, UPS, Printers, Network	1 batch (3 Hou	Ravindra Hunchali	Instructor	DME
10	Fluid Mechanics Laboratory	22	Pelton wheel, Kaplan turbine, Francis Turbine	3 batches (9	C.B Patil	Foreman	DME, PDTD
11	Foundry & Forging Laboratory	22	Open hearth Furnaces Sand Testing, Forging, Foundry experiments	3 batches (9	Parshuram Rajangali	Assistant Instructor	ITI
12	Hydraulics & Pneumatics	33	Hydraulic Trainer , Pneumatic Trainer	2 Batches (3 H	Bahubali Bendigeri	Assistant Instructor	ITI
13	Energy Conversion Laboratory	22	2 stroke, 4 stoke, VCR engine, Multicylinder engine, Flash/Fire point, Viscosity	3 batches (9	Bahubali Bendigeri	Assistant Instructor	ITI

D2. Safety Measures in Laboratories

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

Sr. No	Laboratory Name	Safety Measures
1	Materials Testing Laboratory	First Aid Box, Fire Fighting System, Doctor's contact number has been displayed All electrical wires protected by MCB against fires.
2	Machine Shop	First Aid Box, Fire Fighting System, Doctor's contact number has been displayed All electrical wires protected by MCB against fires.
3	Mechanical Measurement & Metrology Laboratory	First Aid Box, Fire Fighting System, Doctor's contact number has been displayed All electrical wires protected by MCB against fires.
4	Heat and Mass Transfer Laboratory	First Aid Box, Hand gloves, Fire extinguisher, Doctor's contact number has been displayed All electrical wires protected by MCB against fires.

5	Design Laboratory	First Aid Box, Fire Fighting System, Doctor's contact number has been displayed All electrical wires protected by MCB against fires.
6	Computer Aided Engineering Drawing laboratory	First Aid Box, Fire Fighting System, Earthing, Doctor's contact number has been displayed All electrical wires protected by MCB against fires.
7	CNC Programming and 3D Printing Laboratory	First Aid Box, Fire Fighting System, Earthing, Doctor's contact number has been displayed All electrical wires protected by MCB against fires.
8	Fluid Mechanics Laboratory	First Aid Box, Fire Fighting System, Doctor's contact number has been displayed All electrical wires protected by MCB against fires.
9	Foundry & Forging Laboratory	First Aid Box, Fire Fighting System, Doctor's contact number has been displayed All electrical wires protected by MCB against fires.
10	Energy Conversion Laboratory	First Aid Box, Fire Fighting System, Doctor's contact number has been displayed All electrical wires protected by MCB against fires.
11	Hydraulics & Pneumatics Laboratory	First Aid Box, Fire Fighting System, Doctor's contact number has been displayed All electrical wires protected by MCB against fires.

D3. Project Laboratory/Research Laboratory

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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.

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
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Infrastructure Built-Up	75245000	71950730	50000000	49096967	4000000	3919302	2200000	2172690
Library	8075600	4392128	7860700	7684736	7956000	7932922	10875800	10475868
Laboratory equipment	9056000	4647900	9020000	8628560	8952400	8250178	9050900	8755972
Teaching and non-teaching staff salary	90524500	85245544	74535000	73039373	80500000	70519234	65500700	63296729
Outreach Programs	16544200	2752830	19803000	19203690	15204700	12903766	24960000	24868125
R&D	5614500	1034981	5414200	5312705	12508400	7398800	9960800	9868388
Training, Placement and Industry linkage	11325000	2886932	11203000	10703076	16995000	16719759	17330800	17133837
SDGs	4658000	302959	4589000	4389910	5492800	4984542	12270500	12171584
Entrepreneurship	4250000	1031136	3820600	3419600	4782800	4479087	2250000	2152000
Others, specify	90107600	47399035	90107600	83997646	78520500	72225277	69500000	68500160
Total	315400400	221644175	276353100	265476263	234912600	209332867	223899500	219395353

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	800000	798000	720000	690285	652400	495011	975600	875597
Software	295600	245600	295000	185000	185600	195200	198500	185620
SDGs	456000	245680	360400	351193	326100	299073	1056400	995443
Support for faculty development	256600	189850	256400	185600	295000	189500	305600	186000
R & D	956000	838335	532560	443928	426400	425016	650000	586839
Industrial Training, Industry expert, Internship	425000	350600	352000	348225	431500	412860	756000	684752
Miscellaneous Expenses*	800000	756560	756500	655000	750000	618500	654500	515420
Total	3989200	3424625	3272860	2859231	3067000	2635160	4596600	4029671