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**: 1
Application No: 10512	**Date of Submission**: 24-03-2025

PART A- Profile of the Institute

A1.Name of the Institute: KLE Technological University	
Year of Establishment : 1947	Location of the Institute: BVB Campus, Vidyanagar, Hubballi
A2. Institute Address:KLE Technological University B.V. Bhoomaraddi College Campus , Vidyanagar Hubballi -580031	
City:Dharwad	State:Karnataka
Pin Code:580031	Website:www.kletech.ac.in
Email:vc@kletech.ac.in	Phone No(with STD Code):0836-2378102
A3. Name and Address of the Affiliating University (if any):	
Name of the University :	City:
State :	Pin Code: 0
A4. Type of the Institution: University	
A5. Ownership Status: Self financing	

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

- No. of UG programs: **10**
- No. of PG programs: **8**

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	Architecture	UG	Architecture	2015	--	Architecture
2	Computer Application	PG	Master of Computer Application	2015	--	Computer Application
3	Computer Application	PG	Master of Computer Applications (Integrated)	2024	--	Computer Application
4	Engineering & Technology	PG	Advanced Manufacturing Systems	2020	--	Mechanical Engineering
5	Engineering & Technology	UG	Automation & Robotics	2015	--	Automation and Robotics
6	Engineering & Technology	UG	Biotechnology	2015	--	Biotechnology
7	Engineering & Technology	UG	Civil Engineering	2015	--	Civil Engineering
8	Engineering & Technology	UG	Computer Science and Engineering	2015	--	Computer Science and Engineering
9	Engineering & Technology	PG	Computer Science and Engineering	2015	--	Computer Science and Engineering

10	Engineering & Technology	UG	Computer Science and Engineering (Artificial Intelligence)	2021	--	Computer Science and Engineering
11	Engineering & Technology	PG	Design Engineering	2020	--	Mechanical Engineering
12	Engineering & Technology	UG	Electrical & Electronics Engineering	2015	--	Electrical and Electronics Engineering
13	Engineering & Technology	UG	Electronics & Communication Engineering	2015	--	Electronics and Communication Engineering
14	Engineering & Technology	UG	Electronics Engineering (VLSI Design and Technology)	2022	--	Electronics and Communication Engineering
15	Engineering & Technology	UG	Mechanical Engineering	2015	--	Mechanical Engineering
16	Engineering & Technology	PG	Structural Engineering	2015	--	Civil Engineering
17	Engineering & Technology	PG	VLSI Design & Embedded Systems	2015	--	Electronics and Communication Engineering
18	Management	PG	Master of Business Administration	2015	--	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

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	2015 / --	240	Yes	2021	180	2021	F.No. South-West/1-43660128086/2024/EOA 08-May-2024	Granted accreditation for 3 years for the period (specify period)	2019	2025	2	4

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

Sanctioned Intake for Last Five Years for the Advanced Manufacturing Systems

Academic Year	Sanctioned Intake
2024-25	180
2023-24	180
2022-23	180
2021-22	180
2020-21	240
2019-20	240

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 :	G.U.Raju
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)	2024-25 (CAY)	2023-24 (CAYm1)	2022-23 (CAYm2)	2021-22 (CAYm3)	2020-21 (CAYm4)	2019-20 (CAYm5)	2018-19 (CAYm6)
N=Sanctioned intake of the program (as per AICTE /Competent authority)	180	180	180	180	240	240	240
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	138	152	120	127	161	210	236
N2=Number of students admitted in 2nd year in the same batch via lateral entry including leftover seats	0	37	75	89	64	38	24
N3=Separate division if any	0	0	0	0	0	0	0
N4=Total no. of students admitted in the 1st year via all supernumerary quotas	0	0	0	0	0	0	0
Total number of students admitted in the program (N1 + N2 + N3 + N4) - excluding those admitted through multiple entry and exit points.	138	189	195	216	225	248	260

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]

2024-25 (CAY)	180	138	0	76.67
2023-24 (CAYm1)	180	152	0	84.44
2022-23 (CAYm2)	180	120	0	66.67

Average [(ER1 + ER2 + ER3) / 3] = 75.93≡ 14.00

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	(2020-21) LYG	(2019-20) LYGm1	(2018-19) 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).	304.00	278.00	264.00
B=No. of students who graduated from the program in the stipulated course duration	181.00	223.00	234.00
Success Rate (SR)= (B/A) * 100	59.54	80.22	88.64

Average SR of three batches ((SR_1+ SR_2+ SR_3)/3): 76.13

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(2023-24)	CAYm2(2022-23)	CAYm3 (2021-22)
Mean of CGPA or mean percentage of all successful students(X)	7.10	7.15	7.25
Y=Total no. of successful students	136.00	111.00	105.00
Z=Total no. of students appeared in the examination	152.00	120.00	127.00
API [X*(Y/Z)]	6.35	6.61	5.99

Average API[(AP1+AP2+AP3)/3] : 6.32

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 (2023-24)	CAYm2 (2022-23)	CAYm3 (2021-22)
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)	7.46	7.33	7.67
Y=Total no. of successful students	170.00	166.00	191.00
Z=Total no. of students appeared in the examination	186.00	194.00	224.00
API [X * (Y/Z)]	6.82	6.27	6.54

Average API [(AP1 + AP2 + AP3)/3] : 6.54

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 (2023-24)	CAYm2 (2022-23)	CAYm3 (2021-22)
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)	7.70	7.82	7.49
Y=Total no. of successful students	156.00	184.00	228.00

Z=Total no. of students appeared in the examination	166.00	191.00	241.00
API [X*(Y/Z)]:	7.24	7.53	7.09

Average API [(AP1 + AP2 + AP3)/3] : 7.29

B9. Placement, Higher Studies, and Entrepreneurship

Table No.B9.1: Placement, higher studies, and entrepreneurship details.

Item	LYG (2020-21)	LYGm1(2019-20)	LYGm2(2018-19)
FS*=Total no. of final year students	304.00	278.00	264.00
X=No. of students placed	79.00	149.00	184.00
Y=No. of students admitted to higher studies	4.00	4.00	3.00
Z= No. of students taking up entrepreneurship	0.00	0.00	0.00
Placement Index(P) = (((X + Y + Z)/FS) * 100):	27.30	55.04	70.83

Average Placement Index = (P_1 + P_2 + P_3)/3: 51.06 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	B. B. Kotturshettar	XXXXXXX55D	Ph.D	Mangalore University, Mangalore	Manufacturing	31/08/1988	36.6	Lecturer	Professor	19/08/2003	Regular	Yes		No
2	N. R. Banapurmath	XXXXXXX54K	Ph.D	VTU, Belagavi	IC Engines	22/12/1998	26.3	Lecturer	Professor	04/11/2010	Regular	Yes		No
3	Anil S. Badiger	XXXXXXX20B	Ph.D	Anna University Chennai, Chennai	Total Productive Maintenance	07/09/1999	25.6	Lecturer	Professor	01/11/2011	Regular	Yes		No
4	Sanjay V. Kotabagi	XXXXXXX96B	Ph.D	VTU, Belagavi	Knowledge Management	02/09/2002	22.6	Lecturer	Professor	01/11/2011	Regular	Yes		No
5	K. G .Kodancha	XXXXXXX70E	Ph.D	VTU, Belagavi	Fracture Mechanics	07/09/1992	32.6	Lecturer	Professor	01/05/2012	Regular	Yes		No
6	Siddhalingeshwar I.G.	XXXXXXX39K	Ph.D	IIT, Kharagpur	Composite Material	18/08/1993	31.7	Lecturer	Professor	01/01/2020	Regular	Yes		No

7	Revankar P.P	XXXXXXX20B	Ph.D	VTU, Belagavi	Wind Energy	30/09/1996	28.5	Lecturer	Professor	01/01/2020	Regular	Yes		No
8	G.U.Raju	XXXXXXX20H	Ph.D	VTU, Belagavi	Design Engineering	19/01/2009	16.2	Assistant Professor	Professor	01/08/2024	Regular	Yes		Yes
9	T. V. Sreenath	XXXXXXX36N	Ph.D	VTU, Belagavi	Tool Design	30/06/2006	18.8	Lecturer	Associate Professor	01/06/2010	Regular	Yes		No
10	Veeresh G Balikai	XXXXXXX62M	Ph.D	VTU, Belagavi	Manufacturing Engineering	09/10/1998	26.5	Lecturer	Associate Professor	01/11/2011	Regular	Yes		No
11	M.B.Gorawar	XXXXXXX68L	Ph.D	VTU, Belagavi	Solar Energy	10/10/1998	26.5	Lecturer	Associate Professor	01/11/2011	Regular	Yes		No
12	Vinayak Kulkarni	XXXXXXX61K	Ph.D	KLETech, Hubli	Manufacturing Engineering	09/07/2010	14.8	Lecturer	Associate Professor	06/04/2023	Regular	Yes		No
13	V. N. Sanagoudar	XXXXXXX11C	M.E/M.Tech	IIT, Madras	Machine Design	12/04/1994	30.11	Lecturer	Associate Professor	12/04/2008	Regular	Yes		No
14	V. A. Goudar	XXXXXXX53G	M.E/M.Tech	IIT, Madras	Machine Design	07/09/1992	32.6	Lecturer	Associate Professor	01/11/2011	Regular	Yes		No
15	B. S. Kakol	XXXXXXX15H	M.E/M.Tech	Karnataka University, Dharwad	Production Management	30/04/1997	27.10	Lecturer	Associate Professor	01/11/2011	Regular	Yes		No
16	Ramachandra L	XXXXXXX31R	M.E/M.Tech	VTU, Belagavi	Energy Systems Engineering	19/08/2009	15.5	Lecturer	Associate Professor	01/11/2011	Regular	No	31/01/2025	No
17	V.Komalapur	XXXXXXX87J	M.E/M.Tech	NITK, Surathkal	Manufacturing	10/06/1999	25.9	Lecturer	Associate Professor	11/06/2012	Regular	Yes		No
18	Prabhakar M Bhovi	XXXXXXX75C	Ph.D	VTU, Belagavi	Production Technology	09/12/2003	21.3	Lecturer	Assistant Professor		Regular	Yes		No
19	Rajshekar S. Hosmath	XXXXXXX57Q	Ph.D	VTU, Belagavi	Heat power Engineering	25/07/2008	16.7	Lecturer	Assistant Professor		Regular	Yes		No
20	Gireesha R. Chalageri	XXXXXXX91Q	Ph.D	VTU, Belagavi	Design Engineering	06/08/2010	14.7	Lecturer	Assistant Professor		Regular	Yes		No
21	Nagaraj Ekbote	XXXXXXX91R	Ph.D	KLETech, Hubli	Machine Design	28/07/2010	14.7	Lecturer	Assistant Professor		Regular	Yes		No
22	Adarsh Patil	XXXXXXX34E	Ph.D	VTU, Belagavi	Materials Science	01/08/2012	12.7	Assistant Professor	Assistant Professor		Regular	Yes		No
23	Madhusudhana H. K.	XXXXXXX24R	Ph.D	VTU, Belagavi	Machine Design	22/08/2012	12.7	Assistant Professor	Assistant Professor		Regular	Yes		No
24	PraveenKumar Petkar	XXXXXXX66H	Ph.D	KLETech, Hubli	Analysis of Engineering & Design	21/07/2014	10.8	Assistant Professor	Assistant Professor		Regular	Yes		No
25	Shivanand P. P.	XXXXXXX46L	M.Sc. (Engineering)	VTU, Belagavi	Production Engineering	25/09/2006	18.5	Lecturer	Assistant Professor		Regular	Yes		No
26	Suresh H Karebarmannavar	XXXXXXX11M	M.E/M.Tech	VTU, Belagavi	Thermal Power Engineering	26/09/2008	16.5	Lecturer	Assistant Professor		Regular	Yes		No

27	N.Vijaykumar	XXXXXXX44G	M.E/M.Tech	VTU, Belagavi	Production Technology	10/08/2009	15.7	Lecturer	Assistant Professor		Regular	Yes		No
28	G.M.Hiremath	XXXXXXX14D	M.E/M.Tech	VTU, Belagavi	Computer Integrated Manufacturing	17/08/2009	15.7	Lecturer	Assistant Professor		Regular	Yes		No
29	Vinayak. P. Khatawate	XXXXXXX39F	M.E/M.Tech	VTU, Belagavi	Engineering Analysis & Design	15/07/2010	14.8	Lecturer	Assistant Professor		Regular	Yes		No
30	Gururaj P. Fattepur	XXXXXXX66G	M.E/M.Tech	VTU, Belagavi	Machine Design	30/01/2012	13.1	Assistant Professor	Assistant Professor		Regular	Yes		No
31	Anand R. Lakkundi	XXXXXXX19G	M.E/M.Tech	VTU, Belagavi	Production Management	24/07/2012	12.7	Assistant Professor	Assistant Professor		Regular	Yes		No
32	Balachandra S. Halemani	XXXXXXX90R	M.E/M.Tech	Davangere University, Davangere	Machine Design	01/08/2012	12.7	Lecturer	Assistant Professor		Regular	Yes		No
33	Jangali Satish G	XXXXXXX96C	Ph.D	VTU, Belagavi	Production Engineering & Systems Technology	06/08/2012	12.7	Assistant Professor	Assistant Professor		Regular	Yes		No
34	Shivanandagouda Patil	XXXXXXX21A	M.E/M.Tech	VTU, Belagavi	Analysis of Engineering & Design	01/08/2013	11.7	Assistant Professor	Assistant Professor		Regular	Yes		No
35	Sridhar M.	XXXXXXX07P	M.E/M.Tech	VTU, Belagavi	Analysis of Engineering & Design	01/08/2013	11.7	Assistant Professor	Assistant Professor		Regular	Yes		No
36	Shivaprasad Mukhandmath	XXXXXXX61M	M.E/M.Tech	VTU, Belagavi	Product design & Manufacturing	01/08/2013	11.7	Assistant Professor	Assistant Professor		Regular	Yes		No
37	Shreeshail M.L	XXXXXXX82C	M.E/M.Tech	VTU, Belagavi	Manufacturing Science.& Engineering	01/08/2013	11.7	Assistant Professor	Assistant Professor		Regular	Yes		No
38	Santosh G Billur	XXXXXXX78E	M.E/M.Tech	Bangalore University, Bengaluru	Machine Design	03/09/2015	9.6	Assistant Professor	Assistant Professor		Regular	Yes		No
39	Ashwin R Kubasadgoudar	XXXXXXX85R	M.E/M.Tech	VTU, Belagavi	Energy Systems Engineering	16/08/2016	8.7	Assistant Professor	Assistant Professor		Regular	Yes		No
40	Vinay Tigadi	XXXXXXX30B	M.E/M.Tech	VTU, Belagavi	Machine Design	13/09/2017	7.6	Lecturer	Assistant Professor		Regular	Yes		No
41	Shrihari Katti	XXXXXXX82M	M.E/M.Tech	KLETech, Hubli	Digital Electronics	22/10/2022	2.4	Assistant Professor	Assistant Professor		Regular	Yes		No
42	Ramesh Kurbet	XXXXXXX80J	M.E/M.Tech	VTU, Belagavi	Machine Design	27/10/2022	2.4	Assistant Professor	Assistant Professor		Regular	Yes		No
43	Chetan Jadhav	XXXXXXX43C	M.E/M.Tech	KLETech, Hubli	Machine Design	02/11/2022	2.2	Assistant Professor	Assistant Professor		Regular	No	18/01/2025	No

44	Praveen Muragod	XXXXXXX45N	M.E/M.Tech	VTU, Belagavi	Digital Communication	06/03/2023	2	Assistant Professor	Assistant Professor		Contractual Fulltime	Yes		No
45	Praveen Goggal	XXXXXXX88G	M.E/M.Tech	Bangalore University, Bengaluru	Thermal Science	27/04/2023	1.10	Assistant Professor	Assistant Professor		Contractual Fulltime	Yes		No
46	Amith Biradar	XXXXXXX77K	M.E/M.Tech	VTU, Belagavi	Computer Integrated Manufacturing	08/09/2023	1.6	Assistant Professor	Assistant Professor		Contractual Fulltime	Yes		No
47	Karthik K	XXXXXXX86B	M.E/M.Tech	VTU, Belagavi	Machine Design	04/07/2024	0.8	Assistant Professor	Assistant Professor		Contractual Fulltime	Yes		No
48	N. Akshaykumar	XXXXXXX05P	M.E/M.Tech	VTU, Belagavi	Thermal Power Engineering	06/09/2024	0.6	Assistant Professor	Assistant Professor		Contractual Fulltime	Yes		No
49	Mantesh Choukimath	XXXXXXX21E	M.E/M.Tech	VTU, Belgavi	Manufacturing Science and Engineering	01/08/2012	12.7	Assistant Professor	Assistant Professor		Regular	Yes		No
50	Prakash G. Tewari	XXXXXXX67D	Ph.D	IIT, Delhi	Thermal Engineering	04/02/1985	39.6	Lecturer	Professor	19/08/2003	Regular	No	31/07/2024	No
51	V. N. Gaitonde	XXXXXXX13N	Ph.D	Kuvempu University, Shivamogga	Machining	11/08/1992	31.7	Lecturer	Professor	01/03/2008	Regular	No	30/03/2024	No
52	Shivakumar.B. Burli	XXXXXXX45C	Ph.D	VTU, Belagavi	Total Quality Management	24/03/1998	25.8	Lecturer	Associate Professor	01/11/2011	Regular	No	30/11/2023	No
53	Arun Y Patil	XXXXXXX15A	Ph.D	VTU, Belagavi	Product Design	12/03/2014	9.4	Assistant Professor	Associate Professor	10/08/2020	Regular	No	29/07/2023	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 Department2
Table No.C2.1: Student-faculty ratio.

Description	CAY(2024-25)	CAYm1 (2023-24)	CAYm2 (2022-23)
UG1.B	198	198	198
UG1.C	198	198	264
UG1.D	198	264	264
UG1: Mechanical Engineering	**594**	**660**	**726**
PG1.A	18	18	18
PG1.B	18	18	18
PG1: Advanced Manufacturing Systems	**36**	**36**	**36**
PG2.A	18	18	24
PG2.B	18	24	24
PG2: Design Engineering	**36**	**42**	**48**
DS=Total no. of students in all UG and PG programs in the Department	666	738	810
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=** 666	**S2=** 738	**S3=** 810
DF=Total no. of faculty members in the Department	46	47	45
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=** 46	**F2=** 47	**F3=** 45
FF=The faculty members in F who have a 100% teaching load in the first-year courses	6	6	6
Student Faculty Ratio (SFR)=S/(F-FF)	**SFR1= 16.65**	**SFR2= 18.00**	**SFR3= 20.77**
Average SFR for 3 years	**SFR= 18.47**		

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)]
2024-25(CAY)	18	28	33.00	22.12
2023-24(CAYm1)	16	31	36.00	19.72
2022-23(CAYm2)	18	27	40.00	18.00

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
2024-25	3.00	8.00	7.00	4.00	22.00	30.00
2023-24	4.00	8.00	8.00	5.00	24.00	32.00
2022-23	4.00	9.00	9.00	6.00	27.00	30.00
Average	RF1=3.67	AF1=8.33	RF2=8.00	AF2=5.00	RF2=24.33	AF2=30.67

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	Dr. Abhijeet Lele	Adjunct Professor	KLE Adjunct Professor	Research Review of PhD candidates. Students Project Review (SDP and Capstone Projects)	52.00

(CAYm2)

S.No	Name of the Person	Designation	Organization	Name of the Course	No. of hours handled
1	Dr. Abhijeet Lele	Adjunct Professor	Adjunct Professor	Research Review of PhD candidates. Students Project Review (SDP and Capstone Projects)	52.00

(CAYm3)

C6. Academic Research

Table No. C6.1: Faculty publication details.

S.No.	Item	2023-24 (CAYm1)	2022-23 (CAYm2)	2021-22 (CAYm3)
1	No. of peer reviewed journal papers published	42	49	61
2	No. of peer reviewed conference papers published	16	16	14
3	No. of books/book chapters published	1	3	7

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 B. B. Kotturshettar	Gururaj Fattepur	School of Mechanical Engineering	Real time testing of sheep horn as impact resistive material for accident prone regions in consumer vehicles.	Dassault Systems Foundation	03 Years	12.30
						Amount received (Rs.):12.30

(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 B. B. Kotturshettar	Gururaj Fattepur	Dassault Systems Foundation	Development of a Design Framework to Practice Nature Inspired Design for Product Innovation	Dassault Systems Foundation	03 Years	6.90
						Amount received (Rs.):6.90

(CAYm3)

Total Amount (Lacs) Received for the Past 3 Years: 19.20

Note*:

- Only sponsored research projects will be considered. Infrastructure-based projects will not be considered here.

C8. Consultancy Work

Table No. C8.1: List of consultancy projects received from external agencies.

(CAYm1)

(CAYm2)

PI Name	Co-PI names if any	Name of the Dept., where project is sanctioned	Project Title*	Name of the Funding agency	Duration of the project	Amount(Lacs) i.e. 15,25,000=15.25
Dr. Ravi Guttal	Shivanandagouda Patil	Project Director, DUDC Dharwad	Technical Consultancy for Design, Engineering, and Implementation of Integrated Solid Waste Processing Facilities at various ULB's in the Dharwad District	Project Director, DUDC Dharwad	01 Year	3.00
						Amount received (Rs.):3.00

(CAYm3)

PI Name	Co-PI names if any	Name of the Dept., where project is sanctioned	Project Title*	Name of the Funding agency	Duration of the project	Amount(Lacs) i.e. 15,25,000=15.25
Dr. Ravi Guttal	Shivanandagouda Patil	Hubballi Dharwad Municipal corporation	Technical Consultancy for Design, Engineering, and Implementation of Integrated Solid Waste Processing Facilities	Hubballi Dharwad Municipal corporation	02 Years	5.00
Dr. Ravi Guttal	Shivanandagouda Patil	Hubballi Dharwad Municipal corporation	Technical Consultancy for Design, Engineering, and Implementation of Integrated Material Recovery facilities in Hubballi and Dharwad	Hubballi Dharwad Municipal corporation	02 Years	8.00
						Amount received (Rs.):13.00

Total amount (Lacs) received for the past 3 years: 16.00
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)

(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
Dr. Praveenkumar M Petkar	Post-forging structural integrity analysis of cold forging dies and components	01 Year	1.80	0.27	01 research article presented at a conference
			Amount received (Rs.): 1.80		

(CAYm3)

Faculty name	Project title/ Support for Activity	Duration of the project	Amount(Lacs) i.e. 15,25,000=15.25	Amount Utilized(Lacs) i.e. 15,25,000=15.25	Outcomes of the project
Dr. Praveenkumar M Petkar	Metallographic examinations of cold forging die and components	01 Year	4.00	2.70	01 research article presented at a conference
			Amount received (Rs.): 4.00		

Total amount (Lacs) received for the past 3 years : 5.80

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	MakerSpace	40	i. Angle grinder, BOSCHGWS6100 ii.Hand Drilling machine iii.BOSCHGBM13RE Welding machine	50 hrs	1. S. N. Kulkarni, 2. Veera	1. Instructor, 2. Asst. Instr	1. D.M.E, 2. D.A.E
2	Metrology and Quality Engg Lab	20	i. Mitutoyo slip gauge block set steel "00" Grade ii.Micrometer OS25-50 Mitutoyo, Micrometer 50-75	24 hrs	1. Praveen Hiremath, 2. M	1. Assistant Instructor, 2. N	1. D.M.E, 2. I.T.I
3	Control Systems Lab	20	i. Minitab Software-17 10 Licenses ii.PP906 Picoscope 2204A:20 PC Based Oscilloscope (USB Based)	24 hrs	1. J.M.Khandal, 2. Bhgyas	1. Instructor, 2. Assistant I	1. D.E&C, 2. D.E&C, 3. D.
4	Mechatronics	20	DC Power supply-10 nos Arduino mega 2560 Board-20 nos	24 hrs	J M Khandal	Instructor	D.E&C

5	Programming Industrial Automation Systems	20	PLC Trainer kit - Allen Bradley 8 Nos	24 hrs	J M Khandal	Instructor	D.E&C
6	Micro Controller and Interfacing	20	ATMEGA128 Microcontroller kit With adaptor-10 nos	24 hrs	Vinayak Mulimani	Assistant Instructor	D.E&C
7	CAED LAB	60	i. HP 280 GI INT- DESKTOP Intel Core i5 DDR3x 40nos ii. Foxin-INTEL CORE I3 10TH GEN PROCESSOR, DDR4 FOXING CABINET- 22 nos	40 hrs	S. F. Kinnal	Mechanic	I.T.I.
8	Modelling and PLM Lab-I	60	i. Windows Server 2008 R2 Enterprise, Intel(R) Xeon CPU E3 –n20 V2, 64bit-01 ii. Intel Core I 3,12GB RAM 500GB HDD-70 iii. Intel Core I 3,12GB RAM 1 TB	45 hrs	Gangubai Gadagi	Asst. Instructor	D.T.D.M
9	Modelling and PLM Lab-II	60	i. Dell-Vostro, i3-30 Processor nad 12GB RAM,2GB Graphics Card-70 nos ii. UPS(EATON-9145, 20 KVA) iii. HP Pro 3000 Desktop intel core i3 4GB	48 hrs	1. Bhojaraj Madiwalar, 2. S	1. Instructor, 2. Instructor	1. D.M.E, 2. D.M.E.
10	CAE/CIM Lab	20	i. Dell Vostro 3669 Desktop, Intel core I5 3.0GHz8 GB Ram, 1 tb HDD, 18.5" TFT monitor - 16 nos ii. SR530 Server 3.1 Ghz, Lenovo Think System - 22 Gb	24 hrs	1. S. S. Biradar, 2. Ganga	1. Foreman, 2. Mechanic	1. D.M.E., 2. I.T.I.
11	Fluid Mechanics and Machines Lab	20	Nozzle Performance Study System	24 hrs	A. M. Megeri	Instructor	B.A, I.T.I.
12	IC Engine Lab	20	i. Variable Speed Diesel Engine ii. VCR Computerized Eddy Current Dynameter Engine iii. Computerized IC Engine Test Rig Single Cylinder	24 hrs	1. Basti Anjaneya Swami,	1. Instructor, 2. Mechanic	1. D.Auto.E, 2. I.T.I.
13	Engineering Materials Lab.	20	i. UTM Digital with 10T capacity ii. Bottom Pouring Stri Casting Machine iii. Double Disc Variable Speed Grinder Polisher(2 Nos)	24 hrs	1. Basti Anjaneya Swami,	1. Instructor, 2. Mechanic	1. D.Auto.E, 2. I.T.I.
14	Automation Lab	20	i. Electro-Pneumatic Training station (02 sets) ii. Electro-Hydraulic Training station (02 sets) iii. HP PRO 3330 MT Computers	24 hrs	1. R V Rakkasagi, 2. Prav	1. Asst. Instructor, 2. Asst.	1. D.M.E., 2. D.M.E.
15	Machines & Mechanisms Lab	20	i. University M D Motion Bundle, ADAMS MSC Software's Central Server (10.4.0.41) Info cell ii. HP Computers Core i3 7100 CPU @ 3.90 GHz 3.90 GHz	24 hrs	Bhojaraj Madiwalar	Asst. Instructor Asst. Ins	D.M.E.
16	Center of Material Science	2	i. Wear & Friction monitor ii. Model-20LE (Ducom Instruments) iii. Chemical Fume Hood(Advaithaa Industries) iv. Tube Furnace	40 hrs	1. Jyoti Munawalli, 2. Hem	1. Asst. Instructor, 2. Instru	1. B.Sc., 2. B.E. Civil, 3. M
17	CARR Lab	7	i. 1 set of Data Science AI-ML licenses ii. 1 set of Design and Simulation Licenses iii. 1 set of Digital TWIN licenses iv. MOMA (Mobile Manipulator)	45 hrs	Amogh Sutar	Project Assistant	B.E. A&R
18	Workshop Lab	20	i.Universal milling machine - 03 ii.Lathe machine - 20 iii.Surface grinding machine - 01 iv.Cylindrical grinding machine - 01 v.Pedestal grinding machine - 02 vi.Pillar	36	1. S B Tigadi, 2. Manohar	1. Foreman, 2. Mechanic,	1. D.M.E, 2. I.T.I, 3. I.T.I, 4

D2. Safety Measures in Laboratories

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

Sr. No	Laboratory Name	Safety Measures

1	CAED Lab	• Students are given separate login ID and password to save individual work in the server. • USB ports are disabled to avoid copying of files and information. • All the computers and server are electrically grounded • Server is provided with sufficient ventilation
2	Engineering Materials Lab.	• Acids, bases and hazardous chemicals are stored separately as per standard norms with restricted access to instructors and staff. • Absolute alcohol being used for disinfection and cleaning purpose is stored at specified place with restricted access. • Check-list of all the chemicals and media with shelf life is maintained. • After the execution of the experiments, the used microbial cultures and media are sterilized and disposed in specified area.
3	Heat Transfer Lab.	• Necessary equipment are thermally insulated.
4	Design Lab.	• Dynamic machines are sufficiently fenced to avoid accidents
5	I.C Engine	• Necessary equipment are thermally insulated • Dynamic equipment are sufficiently fenced to avoid accidents
6	Workshop (Carpentry, Smithy, Forging, Welding, Sheet metal)	• Safety goggles, hand gloves, shields etc., are made available in the lab • All electrical wirings are grounded as per standard • Equipment are insulated for shock proof.
7	Machine shop	• Dynamic machines are sufficiently fenced to avoid accidents • Specific area is allocated for chip disposal
8	Mechatronics, Control Systems Lab	• Internet browsing is restricted in the lab, however Administrator can facilitate only if it is required • USB ports are disabled to avoid copying of files and information. • All the computers are electrically grounded
9	Automation Lab.	• The hydraulic oil is stored separately in a specified place • The trainer kits are electrically grounded
10	CIM Lab.	• Students are given separate login ID and passwords to save individuals work in the server. • Internet browsing is restricted in the lab, however Administrator can facilitate only if it is required • USB ports are disabled to avoid copying of files and information. • Server is provided with sufficient ventilation
11	Computational lab.	• Internet browsing is restricted in the lab, however Administrator can facilitate only if it is required • USB ports are disabled to avoid copying of files and information. • Students are given separate login ID and password to save individual work in the server. • All the computers are electrically grounded.

| 12 | MakerSpace | • Dynamic machines are sufficiently fenced to avoid accidents. • The machines are electrically grounded. |

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.	Maker Space and Central Workshop
2.	Center of Excellence in Material Science (CMS)
3.	Centre for Automation & Robotics Research (CARR)

The project activities are supported mainly by the MakerSpace and Central Workshop. The 'MakerSpace' is a central facility created to promote product development and realization ecosystem on the campus. It intends to provide students with unique learning experiences on real industry problems and products in a work-emulating environment. It helps them understand industry needs, professional requirements and the product realization process. The MakerSpace provides modern design, prototyping, and manufacturing facilities required for realization of any electromechanical product. It also provides expert supervision and training to use the facilities.

The MakerSpace is administered by the University as a resource for all engineering departments.

Facilities, occupying 10,000 square feet, include a machine shop (4000sq.ft), model shop (2000sq.ft) and project work area (4000sq.ft). Engineering student can use the MakerSpace for concept design & realization, course-related activity and/or competition projects such as SAE Formula, SAE- BAJA SAE- ecokart, SAE-Efficycle, ROBOCON, etc. The shop is open 8 am-8 pm weekdays and on weekends as needed.

Supervision is provided and advice is offered to get them started, but students build their own dreams, make their own mistakes, and learn from them. Facilities include machining (manual, CNC lathe & milling machines and EDM), rapid prototyping, sheet metal forming, welding, assembly, PCB making, electronic test and measurement, and metrology. It has a fulltime staff, consisting of a facilities coordinator to handle the day-to-day operations and two staff assistants for assisting students. The ultimate goal of the MakerSpace is to support the students and entrepreneurs to convert their product ideas into a reality. The facilities are open to student teams, faculty members and entrepreneurs working towards creating products to realize our national dream 'Make in India'.

The Central Workshop includes Fitting shop, Carpentry shop, Welding shop, Sheet metal shop, Foundry and Forging shop and Machine shop.

To avail the MakerSpace facility engineering student/ student teams irrespective of any discipline should undergo a safety training workshop which would be conducted on every Saturday from 10am to 12noon. The workshop emphasis is on the personal safety in the workshop, safe handling of the equipment/ the artefacts made and the environment. Thereafter students will be issued with a MakerSpace identity card and would be the gate pass. It has a full- time staff members, headed by a facilities coordinator.

The facilities in a nutshell are presented in the Table7.5.2, wherein the capabilities of each of the facility are briefly stated.

Table No. 7.5.1: Facilities and Capabilities of equipment.

Sl. No.	Facility	Capability
1.	CNC Turning Centre	Precision Cylindrical parts High speed Machining Versatile.
2.	CNC Vertical Machining Centre	Parts of dies and molds, High precision parts Prismatic part machining.
3.	CNC Wire EDM Machine	Electric Discharge Machining; Machining difficult to machine materials and delicate parts.
4.	CNC Router	Machining various materials, Complex contours, Easy to operate.
5.	CNC Laser Cutting Machine	Cutting materials such as acrylic, Double coloured board, leather, fabric, paper, wooden packaging box, bamboo craft, leather shell, ivory and so on. Architectural model, aviation and navigation model

6.	CNC Plasma Cutting Machine	Any thickness from 0.3mm through to 25mm can be cut. Virtually any metal can be plasma cut including: steel, stainless steel, aluminium, copper, galvanized sheet and intricate flat shapes.
7.	3D Desktop Milling Machine	PCB making; Non-proprietary materials –acrylic, wax, Creating prototypes.
8.	3D Printing Machine	High-end prototyping Powered by Poly-jet technology; ABS as printing material.
9.	3D Imager	Fast and consistent measurements for dimensional inspection and reverse engineering applications. On parts, assemblies, and tools. Reverse engineering applications.
10.	Portable Co-ordinate Measuring Machine	Verification of product quality by performing 3D inspections, tool certifications, CAD comparison, dimensional analysis, reverse engineering Measurements with regard to GD&T.
11.	Plastic Injection Molding Machine	The plastic injection molding machines along with the customized mold are used to produce vast quantities of identical plastic items ranging from disposable consumer goods to high precision engineering components; Mass Production
12.	Universal Cylindrical Grinding Machine	Grind the external and internal surfaces of a cylindrical work-piece to a very close tolerance up to0.003mm with high quality surface finish (up to N4).
13.	Universal Tool & Cutter Grinding Machine	Sharpening and reconditioning wide range of high speed and carbide tipped tools.
14.	PCB Machining	PCB Prototyping systems enable easy and high precision board making: Ideal for in-house prototyping, Time saving of product development, produces boards with the precision expected in a Laboratory, Processing without chemicals.

Research laboratory /Centre of Excellence:

The department of Mechanical Engineering has established Centre of Excellence (STAR Labs- Science and Technology Advanced Research labs.) to promote interdisciplinary collaboration, industry partnerships, and cutting-edge research to develop sustainable solutions, and drive technological advancements in mechanical engineering. The department has two Centres of Excellence, namely Center of Excellence in Material Science (CMS) and Centre for Automation & Robotics Research (CARR). The following section provides an overview of both centres.

Center of Excellence in Material Science (CMS)

This center, established in 2014, aims to facilitate ground-breaking research, innovation, and development in new materials, contributing to technological leadership and research growth. The center conducts multidisciplinary research on the synthesis of innovative materials and processes for various engineering applications. It promotes scientific research and technological innovation, fosters collaborations with industries, and drives economic growth. Additionally, it contributes to education, training, and knowledge dissemination, addressing the demand for skilled professionals. Furthermore, it plays a significant role in sustainable development, energy efficiency, healthcare, and national security, making it a crucial hub for interdisciplinary research and development. In summary, the center serves as a catalyst for progress, innovation, and societal development across various sectors.

Nano and Bio-composite Lab has Universal Testing Machine (UTM), 3D printing facility, Twin Screw Lab Extruder. Membrane Technology Lab has Pervaporation Unit, FTIR and Carl –Fisher Titrator facilities.

Thin film coatings Lab is established in Clean Room Facility of 10,000 Class and houses CVD, PVD, CPVD, Probe Station Set up. Energy materials Lab has Electrometer/ High resistance meter (Keithley Mater), Hall effect apparatus and Electrochemical Work station.

Centre for Automation & Robotics Research (CARR):

The Centre for Automation and Robotics Research (CARR) at KLE Technological University aims to be an interdisciplinary innovation hub to develop and apply robotics and intelligent automation solutions to transform industrial resilience, agility, and productivity. The Centre started its operation in January 2024. The cutting-edge facility is a hub for pioneering research in smart manufacturing, digital twin and human-robot collaboration and a multitude of related technologies. The research activities are supported by faculty from various schools and departments on the campus. At the same time, it supports students in developing competencies, leading them to be more industry-ready. CARR actively collaborate with other STAR Labs Centre of Excellence in Visual Intelligence (CEVI), Center for AI Research (CAIR), and Center for Intelligent Mobility (CIM) to develop innovative interdisciplinary solutions for real-world challenges.

CARR lab facility provides state-of-the-art research infrastructure augmented with modern design, prototyping, and manufacturing facilities required to verify and validate prototypes and products of smart manufacturing systems at TRL 6. It also provides mentoring, expert supervision, and training for using the facilities.

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
2022-23(CAYm2)	1320	66	31	34	48
2023-24(CAYm1)	1380	69	37	38	54
2024-25(CAY)	1380	69	48	39	67

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 2024-2025	Actual Expenses in 2024-2025 till	Budgeted in 2023-2024	Actual Expenses in 2023-2024 till	Budgeted in 2022-2023	Actual Expenses in 2022-2023 till	Budgeted in 2021-2022	Actual Expenses in 2021-2022 till
Infrastructure Built-Up	292200000.00	326478832.00	320300000.00	275490296.08	226000000.00	272900679.00	156800000.00	150171688.00
Library	11600000.00	9771428.06	8100000.00	6934858.90	6550000.00	6684290.00	4800000.00	5746857.10
Laboratory equipment	40000000.00	42049437.00	30000000.00	42637137.00	60000000.00	45115063.00	45000000.00	18684451.00
Teaching and non-teaching staff salary	557000000.00	547558408.00	512840000.00	498123229.00	508167243.00	486223533.00	489576100.00	487334443.00
Outreach Programs	1700000.00	1728431.00	1200000.00	1185057.00	1800000.00	1759579.55	1000000.00	297819.00
R&D	120000000.00	105528834.70	91000000.00	67685714.98	60500000.00	85916358.00	47500000.00	37085398.72
Training, Placement and Industry linkage	28000000.00	29750015.28	39400000.00	27868861.85	16700000.00	22804772.45	16500000.00	10724576.00

SDGs	500000.00	0	0	0	0	0	0	0
Entrepreneurship	6500000.00	5907410.00	8500000.00	8288555.00	6000000.00	5721313.00	3000000.00	2689169.00
Others, specify	244950000.00	250756247.82	221575000.00	222576706.76	200300000.00	212374205.00	172500000.00	141933476.42
Total	**1302450000.00**	**1319529043.86**	**1232915000.00**	**1150790416.57**	**1086017243.00**	**1139499793.00**	**936676100.00**	**854667878.24**

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 2024-2025	Actual Expenses in 2024-2025 till	Budgeted in 2023-2024	Actual Expenses in 2023-2024 till	Budgeted in 2022-2023	Actual Expenses in 2022-2023 till	Budgeted in 2021-2022	Actual Expenses in 2021-2022 till
Laboratory equipment	1500000.00	1464401.00	400000.00	373385.00	1500000.00	1446438.00	300000.00	276184.00
Software	0	0	2450000.00	2444751.00	2500000.00	2444751.00	0	0
SDGs	100000.00	0	0	0	0	0	0	0
Support for faculty development	500000.00	463685.00	2000000.00	1447482.00	400000.00	395550.00	500000.00	462852.00
R & D	36800000.00	35379693.41	47500000.00	31434684.00	5005000.00	4701027.00	13000000.00	12208831.00
Industrial Training, Industry expert, Internship	2000000.00	1968825.00	1500000.00	1286011.00	2600000.00	2483716.00	2100000.00	1384959.00
Miscellaneous Expenses*	157950000.00	156297180.76	160249000.00	162395192.78	165790000.00	166868842.00	169701000.00	158662581.82
Total	**198850000.00**	**195573785.17**	**214099000.00**	**199381505.78**	**177795000.00**	**178340324.00**	**185601000.00**	**172995407.82**