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: 10921	**Date of Submission**: 06-08-2025

PART A- Profile of the Institute

A1.Name of the Institute: BALLARI INSTITUTE OF TECHNOLOGY & MANAGEMENT	
Year of Establishment : 1997	Location of the Institute: Ballari
A2. Institute Address:JANANA GANGOTRI CAMPUS, #873/2, BALLARI HOSAPETE, ROAD, NEAR ALLIPUR, BALLARI - 583104 [KARNATAKA]	
City:Bellary	State:Karnataka
Pin Code:583104	Website:www.bitm.edu.in
Email:BITMBLY@GMAIL.COM	Phone No(with STD Code):08392-237150
A3. Name and Address of the Affiliating University (if any):	
Name of the University : VISVESVARYA TECHNOLOGICAL UNIVERSIT	City: Belgaum
State : Karnataka	Pin Code: 590018
A4. Type of the Institution: Autonomous CAY(2021-22)	
A5. Ownership Status: Self financing	

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

- No. of UG programs: **8**
- No. of PG programs: **2**

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 of Computer Application	2023	--	Computer Application
2	Engineering & Technology	UG	Artificial Intelligence and Machine Learning	2020	--	Computer Science and Engineering
3	Engineering & Technology	UG	Civil Engineering	2014	--	Civil Engineering
4	Engineering & Technology	UG	Computer Science and Engineering	1997	--	Computer Science and Engineering
5	Engineering & Technology	UG	Computer Science and Engineering (Artificial Intelligence)	2022	--	Computer Science and Engineering
6	Engineering & Technology	UG	Computer Science and Engineering (Data Science)	2022	--	Computer Science and Engineering
7	Engineering & Technology	UG	Electrical & Electronics Engineering	2007	--	Electrical and Electronics Engineering
8	Engineering & Technology	UG	Electronics & Communication Engineering	1997	--	Electronics and Communication Engineering

| 9 | Engineering & Technology | UG | Mechanical Engineering | 1997 | -- | Mechanical Engineering |
| 10 | Management | PG | Master of Business Administration | 2007 | -- | 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
Computer Science and Engineering	Yes	Computer Science and Engineering	UG
Electronics and Communication Engineering	No	Electronics & Communication 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	1997 / --	45	Yes	2022	120	2022	"F.No. South-West/ 1-10973825718/ 2022/EOA, Date: 03-Jul-2022"	Granted accreditation for 3 years for the period (specify period)	2022	2025	3	4

Sanctioned Intake for Last Five Years for the Mechanical Engineering	
Academic Year	**Sanctioned Intake**
2024-25	120
2023-24	120
2022-23	120
2021-22	180
2020-21	180
2019-20	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. V. Venkata Ramana
B. Nature of appointment:	Regular

C. Qualification:	M.Tech and 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)	120	120	120	180	180	180	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	28	20	13	19	19	49	70
N2=Number of students admitted in 2nd year in the same batch via lateral entry including leftover seats	0	112	114	176	147	92	140
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	4	6	6	9	9	9	12
Total number of students admitted in the program (N1 + N2 + N3 + N4) - excluding those admitted through multiple entry and exit points.	32	138	133	204	175	150	222

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)	120	28	4	26.67
2023-24 (CAYm1)	120	20	6	21.67
2022-23 (CAYm2)	120	13	6	15.83

Average [(ER1 + ER2 + ER3) / 3] = 21.39≡ 0.00

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).	327.00	272.00	380.00
B=No. of students who graduated from the program in the stipulated course duration	114.00	111.00	136.00
Success Rate (SR)= (B/A) * 100	34.86	40.81	35.79

Average SR of three batches ((SR_1+ SR_2+ SR_3)/3): 37.15

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)

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)	5.31	6.21	4.25
Y=Total no. of successful students	24.00	19.00	26.00
Z=Total no. of students appeared in the examination	20.00	13.00	19.00
API [X*(Y/Z)]	6.37	9.08	5.82

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

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)	6.78	6.57	5.69
Y=Total no. of successful students	133.00	193.00	168.00
Z=Total no. of students appeared in the examination	133.00	202.00	174.00
API [X * (Y/Z)]	6.78	6.28	5.49

Average API [(AP1 + AP2 + AP3)/3] : 6.18

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)	6.89	5.48	6.01
Y=Total no. of successful students	193.00	163.00	140.00
Z=Total no. of students appeared in the examination	193.00	168.00	148.00
API [X*(Y/Z)]:	6.89	5.32	5.69

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

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	327.00	272.00	380.00
X=No. of students placed	78.00	75.00	81.00
Y=No. of students admitted to higher studies	5.00	1.00	0.00
Z= No. of students taking up entrepreneurship	0.00	0.00	0.00
Placement Index(P) = (((X + Y + Z)/FS) * 100):	25.38	27.94	21.32

Average Placement Index = (P_1 + P_2 + P_3)/3: 24.88 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. Yadavalli Basavaraj	XXXXXXX83C	M.Tech and Ph.D.	VTU, Belagavi	Maintenance Engineering	03/06/2009	16.2	Professor	Professor	03/06/2009	Regular	Yes		No
2	Dr. Raghavendra Joshi	XXXXXXX88E	M.Tech and Ph.D.	NITK	Design Engineering	14/10/1998	26.9	Lecturer	Professor	01/11/2021	Regular	Yes		No
3	Dr. V. Venkata Ramana	XXXXXXX30E	M.Tech and Ph.D.	SKU	Production Engineering	31/08/2012	12.11	Professor	Professor	31/08/2012	Regular	Yes		Yes
4	Dr. H.M Anil Kumar	XXXXXXX67F	M.Tech and Ph.D.	VTU, Belagavi	Computer Integrated Manufacturing	01/08/2013	12	Assistant Professor	Associate Professor	01/01/2021	Regular	Yes		No
5	Dr. Lakshmi Kumari	XXXXXXX87H	M.Tech and Ph.D.	VTU, Belagavi	Production Engineering	02/08/2007	18	Lecturer	Associate Professor	02/11/2020	Regular	Yes		No
6	Dr. Banakara Nagaraj	XXXXXXX35B	M.Tech and Ph.D.	VTU, Belagavi	Maintenance Engineering	09/02/2011	14.5	Lecturer	Associate Professor	01/04/2021	Regular	Yes		No
7	Dr. Manjunath T.H	XXXXXXX78Q	M.Tech and Ph.D.	VTU, Belagavi	Machine Design	01/11/2011	13.9	Lecturer	Associate Professor	01/07/2022	Regular	Yes		No
8	Dr. Santhosh V Janamatti	XXXXXXX87D	M.Tech and Ph.D.	VTU, Belagavi	Production Technology	31/01/2015	10.6	Assistant Professor	Assistant Professor		Regular	Yes		No
9	Dr. Shivaramakrishna A	XXXXXXX38R	M.Tech and Ph.D.	VTU, Belagavi	Machine Design	07/02/2011	14.6	Lecturer	Assistant Professor		Regular	Yes		No
10	Dr. Pavan Kumar B K	XXXXXXX85R	M.Tech and Ph.D.	VTU, Belagavi	Machine Design	26/07/2012	13	Assistant Professor	Assistant Professor		Regular	Yes		No
11	Dr. Shekar K	XXXXXXX87H	M.Tech and Ph.D.	VTU, Belagavi	Energy System Engineering	01/08/2013	12	Assistant Professor	Assistant Professor		Regular	Yes		No
12	Mr. Jayaprakash B	XXXXXXX47M	M.Tech	VTU, Belagavi	Thermal Engineering	01/02/2011	14.6	Assistant Professor	Assistant Professor		Regular	Yes		No
13	Mr. B Vishnu Prasad	XXXXXXX99E	M.Tech	VTU, Belagavi	Thermal Engineering	19/08/2009	15.11	Lecturer	Assistant Professor		Regular	Yes		No

14	Mr. Srinivasulu Vadde	XXXXXXX79J	M.Tech	VTU, Belagavi	Thermal Engineering	17/08/2006	18.11	Lecturer	Assistant Professor		Regular	Yes		No
15	Mr. K Raghavendra	XXXXXXX02J	M.Tech	VTU, Belagavi	Design Engineering	01/02/2012	13.6	Assistant Professor	Assistant Professor		Regular	Yes		No
16	Mr. Mohammed Fayaz K	XXXXXXX45H	M.Tech	VTU, Belagavi	Machine Design	01/08/2013	12	Assistant Professor	Assistant Professor		Regular	Yes		No
17	Mr. Mayur D Pawar	XXXXXXX44G	M.Tech	VTU, Belagavi	Machine Design	01/08/2014	11	Assistant Professor	Assistant Professor		Regular	Yes		No
18	Mr. Vijay Kumar B.P.	XXXXXXX09K	M.Tech	VTU, Belagavi	Machine Design	01/08/2014	11	Assistant Professor	Assistant Professor		Regular	Yes		No
19	Mr. Raghavendra Setty	XXXXXXX13D	M.Tech	VTU, Belagavi	Machine Design	18/07/2016	9	Assistant Professor	Assistant Professor		Regular	Yes		No
20	Mr. Maharaja Gouda	XXXXXXX62K	M.Tech	VTU, Belagavi	Design Engineering	31/01/2015	10.6	Assistant Professor	Assistant Professor		Regular	Yes		No
21	Mr. Manjunatha E	XXXXXXX08J	M.Tech	VTU, Belagavi	Polymer Science & Technology	31/01/2015	10.6	Assistant Professor	Assistant Professor		Regular	Yes		No
22	Mr. Shiva Kumar S. Y	XXXXXXX11H	M.Tech	VTU, Belagavi	Machine Design	31/01/2015	10.6	Assistant Professor	Assistant Professor		Regular	Yes		No
23	Mr. Kuntanahal Rajashekhara	XXXXXXX66F	M.Tech	VTU, Belagavi	Machine Design	01/08/2015	10	Assistant Professor	Assistant Professor		Regular	Yes		No
24	Mr. Gavisiddesha Pattanashetty	XXXXXXX12H	M.Tech	VTU, Belagavi	Energy Systems Engineering	01/08/2015	10	Assistant Professor	Assistant Professor		Regular	Yes		No
25	Mr. Raghavendra Karnool	XXXXXXX61G	M.Tech	VTU, Belagavi	Energy Systems Engineering	27/07/2016	9	Assistant Professor	Assistant Professor		Regular	Yes		No
26	Mr. Akkasali Taranath	XXXXXXX29N	M.Tech	VTU, Belagavi	Production Management	18/07/2016	9	Assistant Professor	Assistant Professor		Regular	Yes		No
27	Mr. Kalyan Babu	XXXXXXX33R	M.Tech	VTU, Belagavi	Design Engineering	21/07/2016	9	Assistant Professor	Assistant Professor		Regular	Yes		No
28	Mr. Irayya Shikkerimath	XXXXXXX05B	M.Tech	VTU, Belagavi	Design Engineering	01/12/2017	7.8	Assistant Professor	Assistant Professor		Regular	Yes		No
29	Mr. Venkatesh K C	XXXXXXX09P	M.Tech	VTU, Belagavi	Machine Design	07/08/2017	7.11	Assistant Professor	Assistant Professor		Regular	Yes		No
30	Dr. Raju Jadar	XXXXXXX20E	M.Tech and Ph.D.	VTU, Belagavi	Thermal Engineering	01/06/2016	7.5	Associate Professor	Associate Professor	01/06/2016	Regular	No	31/10/2023	No
31	Dr. Ganesh B	XXXXXXX67F	M.Tech and Ph.D.	VTU, Belagavi	Production Engineering System Technology	01/09/2009	15.11	Lecturer	Associate Professor	01/10/2009	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 Department0

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

Description	CAY(2024-25)	CAYm1 (2023-24)	CAYm2 (2022-23)
UG1.B	132	132	198
UG1.C	132	198	198
UG1.D	193	198	198
UG1: Mechanical Engineering	**457**	**528**	**594**
DS=Total no. of students in all UG and PG programs in the Department	457	528	594
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**= 457	**S2**= 528	**S3**= 594
DF=Total no. of faculty members in the Department	30	30	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**= 30	**F2**= 30	**F3**= 31
FF=The faculty members in F who have a 100% teaching load in the first-year courses	5	5	5
Student Faculty Ratio (SFR)=S/(F-FF)	**SFR1= 18.28**	**SFR2= 21.12**	**SFR3= 22.85**
Average SFR for 3 years	**SFR= 20.75**		

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)	12	18	22.00	21.82
2023-24(CAYm1)	11	19	26.00	17.88
2022-23(CAYm2)	9	22	29.00	15.34

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	2.00	3.00	5.00	5.00	15.00	22.00
2023-24	2.00	3.00	5.00	5.00	17.00	22.00
2022-23	3.00	3.00	6.00	6.00	19.00	22.00
Average	RF1=2.33	AF1=3.00	RF2=5.33	AF2=5.33	RF2=17.00	AF2=22.00

C5. Visiting/Adjunct Faculty/Professor of Practice

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

(CAYm1)

S.No	Name of the Person	Designation	Organization	Name of the Course	No. of hours handled
1	Mr. Vijesh Kumar	Manager	Harita Techserv Pvt Ltd	Catia & NX Design	180.00
2	Mr. Girish	Manager	J&Q Spiders	Java Full stack	180.00

(CAYm2)

S.No	Name of the Person	Designation	Organization	Name of the Course	No. of hours handled
1	Mr. Vijesh Kumar	Manager	Harita Techserv Pvt Ltd	Catia & NX Design	180.00
2	Mr. Girish	Manager	J&Q Spiders	Java Full stack	180.00

(CAYm3)

S.No	Name of the Person	Designation	Organization	Name of the Course	No. of hours handled
1	Mr. Vijesh Kumar	Manager	Harita Techserv Pvt Ltd	Catia & NX Design	180.00
2	Mr. Girish	Manager	J&Q Spiders	Java Full stack	180.00

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

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

(CAYm3)

PI Name	Co-PI names if any	Name of the Dept., where project is sanctioned	Project Title*	Name of the Funding agency	Duration of the project	Amount(Lacs) i.e. 15,25,000=15.25
-	-	-	-	-	-	0.00
						Amount received (Rs.):0.00

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

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

(CAYm3)

PI Name	Co-PI names if any	Name of the Dept., where project is sanctioned	Project Title*	Name of the Funding agency	Duration of the project	Amount(Lacs) i.e. 15,25,000=15.25
-	-	-	-	-	-	0.00
						Amount received (Rs.):0.00

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

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. Shekar K	Paper publication	12 months	0.45	0.45	Paper published
Dr. Shivaram Krishna	Patent publication	12 months	0.10	0.10	Patent published
Dr. Pavan Kumar B.K.	Paper publication	12 months	0.40	0.40	Patent Published
Mr. Mayur D. Pawar	Paper publication	12 months	0.10	0.10	Paper published
Dr. Banakara Nagaraj	Paper publication	12 months	0.10	0.10	Paper published
Mr. Shekar K	Patent publication	12 months	0.19	0.19	Patent published
Dr. Santosh V Janamatti	Paper publication	12 months	0.40	0.40	Paper published
Dr. Shivaramakrishna A	Ph.D. Contingency	12 months	0.25	0.25	Research work carried out
Dr. Pavana Kumar B K	Ph.D. Contingency	12 months	0.25	0.25	Research work carried out
Dr. Shekar K	Ph.D. Contingency	12 months	0.25	0.25	Research work carried out
Mr. Irayya Shikkerimath	Patent publication	12 months	0.04	0.04	Patent published
Dr. Pavan Kumar B K	Patent publication	12 months	0.15	0.15	Patent published
Dr. Banakara Nagaraj	Patent publication	12 months	0.04	0.04	Patent published
Mr. Vijay Kumar B P	Patent publication	12 months	0.04	0.04	Patent published
Dr. H M Anil Kumar	Patent publication	12 months	0.10	0.10	Patent Published
Mr. Vijay Kumar B P	Paper publication	12 months	0.08	0.08	Paper published
Mr. Irayya Shikkerimath	Paper publication	12 months	0.05	0.05	Paper published
			Amount received (Rs.): 2.99		

(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. Shivaramakrishna	Paper publication	12 months	0.30	0.30	Paper published
Dr. Pavan Kumar B K	Paper publication	12 months	0.15	0.15	Paper published
Dr. Santosh Janamatti	Paper publication	12 months	0.11	0.11	Paper published
Mr. Shekar K	Paper publication	12 months	0.11	0.11	Paper published
Dr. Manjunatha T H	Ph.D. Contingency	12 months	0.25	0.25	Research work carried out
Dr. Santosh Janamatti	Ph.D. Contingency	12 months	0.25	0.25	Research work carried out
			Amount received (Rs.): 1.17		

(CAYm3)

Faculty name	Project title/ Support for Activity	Duration of the project	Amount(Lacs) i.e. 15,25,000=15.25	Amount Utilized(Lacs) i.e. 15,25,000=15.25	Outcomes of the project
Mr. Pavan Kumar B K	Paper publication	12 months	0.05	0.05	Paper published
Mr. Gavisiddesha P	Paper publication	12 months	0.05	0.05	Paper published
Mr. Manjunath T H	Paper publication	12 months	0.05	0.05	Paper published
Mr. Santosh Janamatti	Paper publication	12 months	0.05	0.05	Paper published
Mr. Mayur D. Pawar	Paper publication	12 months	0.05	0.05	Paper published
Dr. H M Anil Kumar	Ph.D. Contingency	12 months	0.25	0.25	Research work carried out
Dr. Banakara Nagaraj	Ph.D. Contingency	12 months	0.25	0.25	Research work carried out
			Amount received (Rs.): 0.75		

Total amount (Lacs) received for the past 3 years : 4.91

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	Computer Aided Engineering Drawing	23	DELL 18.5" Monitor, INTEL Core i7 GB, HD 1TB	100%	Mr. Giriprasad/ Mr. Basav	Instructor	DAE/ DME
2	Material Testing & Metallography	23	Universal testing Machine, Metallurgical Microscope	100%	Mr. Mallikarjun	Instructor	DAE
3	Foundry & Forging	23	Open Arc Furnace	100%	Mr. Alam Pasha	Instructor	ITI
4	Machine Shop	23	Lathe, Drilling, Shaping.	100%	Mr. Sri Giri	Instructor	ITI
5	Mechanical Measurements & Metrology	23	Tool maker microscope & Profile projector	100%	Mr. Vinod	Foreman	BE
6	Fluid Mechanics	23	Pelton, Francis & Kaplan Turbines, Pumps	100%	Mr. Madhusudhan Gowda	Foreman	DME
7	Design Lab	23	Journal Bearing, Governor.	100%	Mr. Mallikarjun	Instructor	DAE

8	Heat Transfer	23	Refrigerator/ AC Test Rigs.	100%	Mr. Madhusudhan Gowda	Foreman	DME
9	Energy Engineering	23	4 Stroke & 2 Stroke Petrol & Diesel Engines	100%	Mr. Bhavani Prasad	Instructor	DAE
10	Computer Integrated Manufacturing	23	Zenith 21" Monitor, Intel I5 Processor, 400GB RAM	100%	Mr. Mahesh	Instructor	ITI
11	Computer Aided Modelling & Analysis	23	Zenith 21" Monitor, Intel I5 Processor, 400GB RAM	100%	Mr. Giriprasad	Instructor	DAE
12	Computer Aided Machine Drawing	23	Zenith 21" Monitor, Intel I5 Processor, 400GB RAM Projector	100%	Mr. Sridhar Metti	Instructor	DME

D2. Safety Measures in Laboratories

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

Sr. No	Laboratory Name	Safety Measures
1	Computer Aided Engineering Drawing	• Do's and Don'ts board • Electrical wires protected by MCB, RCBO and fuses • Fire Extinguisher
2	Computer Aided Machine Drawing	• Do's and Don'ts board • Electrical wires protected by MCB, RCBO and fuses • Fire Extinguisher
3	Material Testing & Metallography	• Do's and Don'ts board • Electrical wires protected by MCB, RCBO and fuses • Fire Extinguisher • First Aid Kit
4	Foundry & Forging	• Do's and Don'ts board • Walk ways • Protective Clothing (Uniform) and Footwear (Shoes) • No Proper sharp edges & loose cables • Electrical wires protected by MCB, RCBO and fuses • Safety Gloves • Fire Extinguisher • First Aid Kit
5	Machine Shop	• Walk ways • Protective Clothing (Uniform) and Footwear (Shoes) • Electrical wires protected by MCB, RCBO and fuses • No Proper sharp edges & loose cables • Safety Gloves • Do's and Don'ts board • Fire Extinguisher • First Aid Kit
6	Mechanical Measurements & Metrology	• Do's and Don'ts board • Walk ways • Protective Clothing (Uniform) and Footwear (Shoes) • First Aid Kit

7	Fluid Mechanics	• Do's and Don'ts board • Walk ways • Protective Clothing (Uniform) and Footwear (Shoes) • Electrical wires protected by MCB, RCBO and fuses • Safety Gloves • First Aid Kit
8	Energy Conversion	• Do's and Don'ts board • Protective Clothing (Uniform) and Footwear (Shoes) • Electrical wires protected by MCB, RCBO and fuses • Safety Gloves • Fire Extinguisher • First Aid Kit
9	Heat and Mass Transfer	• Do's and Don'ts board • Walk ways • Protective Clothing (Uniform) and Footwear (Shoes) • Electrical wires protected by MCB, RCBO and fuses • Safety Gloves • Fire Extinguisher • First Aid Kit
10	Automation and Computer Integrated Manufacturing	• Do's and Don'ts board • Electrical wires protected by MCB, RCBO and fuses • Safety Gloves • Fire Extinguisher • First Aid Kit
11	Design Lab	• Do's and Don'ts board • Walk ways • Protective Clothing (Uniform) and Footwear (Shoes) • Electrical wires protected by MCB, RCBO and fuses • Safety Gloves • First Aid Kit
12	Others	• Apart from the first aid box available at appropriate places, there is a dispensary in the college campus, Ambulance, Doctor and a Nurse.

D3. Project Laboratory/Research Laboratory

Department utilizes Research Laboratory /Centre of Excellence which are situated in Department of Mechanical Engineering, consists of latest configuration systems with licensed and well supporting software packages. All systems in the lab are connected in a LAN with internet facility of 1.1GBPS leased line with unlimited downloading facility.

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

SN	Name of the Laboratory	Utilization	Facility Available	
1	CENTRE OF EXCELLENCE (TVS HARITHA TECH SERV)	75%	**Make**	DELL
			Processor	Intel Core i7 4460 4th Gen/ Intel Core i7 8th GEN 4440 @2.9 Ghz
			Mother Board	H81 / Giga Byte MBGA-H310Mh
			HDD	500 GB SATA / 1 TB Seagate
			RAM	16 GB DDR3 / 8 GB DDR4 Transcend
			Monitor	TFT 18.5" / Dell 15.5" LED
			Key Board / Mouse	USB
			Switches	
			D-Link Gigabit (24 port Ethernet) Switch	
			D-Link Gigabit (8 port Ethernet) Switch	
			Software Details	
			Operating System	Windows 11 Professional
			Software	CATIA, FUSION 360
2	RESEARCH LABORATORY	75%	Condition Monitoring Setup Universal Testing Machine 3D Printing	
3	PROJECT LABORATORY	75%	Machining Centre Flexible Manufacturing System MATLAB, ANSYS.	

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)	960	48	34	32	70
2023-24(CAYm1)	1080	54	37	34	67
2024-25(CAY)	1080	54	42	31	74

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	107.00	348.32	1259.00	1235.95	626.00	373.62	125.00	121.88
Library	39.75	57.81	32.00	62.56	33.50	24.57	36.50	34.28
Laboratory equipment	319.75	116.37	184.41	193.95	107.67	150.62	90.85	87.85
Teaching and non-teaching staff salary	2209.14	2292.97	2131.00	2068.74	1683.00	1692.87	1485.50	1439.95
Outreach Programs	7.50	4.43	7.75	7.37	1.00	6.80	1.00	0.80
R&D	22.15	19.32	14.60	10.06	22.51	6.58	10.80	3.50
Training, Placement and Industry linkage	38.45	29.00	37.00	22.16	20.70	25.16	14.10	10.51
SDGs	5.00	10.35	25.00	50.31	30.00	20.98	2.50	6.63
Entrepreneurship	30.00	4.46	11.00	6.65	39.71	28.04	0.00	0.00
Others, specify	1133.30	1418.78	788.92	1102.87	613.60	883.22	744.39	707.42
Total	**3912.04**	**4301.81**	**4490.68**	**4760.62**	**3177.69**	**3212.46**	**2510.64**	**2412.82**

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	28.50	11.48	3.50	0.32	8.50	6.02	1.00	0.98
Software	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
SDGs	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Support for faculty development	0.50	0.47	0.50	0.40	0.50	2.70	0.00	0.00
R & D	2.00	2.99	2.00	0.24	1.25	0.55	2.00	0.20
Industrial Training, Industry expert, Internship	1.00	0.04	1.00	0.54	1.00	0.90	0.50	0.49
Miscellaneous Expenses*	435.25	433.95	398.25	392.77	353.25	361.34	353.50	340.67
Total	**467.25**	**448.93**	**405.25**	**394.27**	**364.50**	**371.51**	**357.00**	**342.34**