NATIONAL BOARD OF ACCREDITATION

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

PART-A: Profile of the Institute

Name of the Program Applied for: Mechanical Engineering

A1: Name of the Institute:- USHA RAMA COLLEGE OF ENGINEERING AND TECHNOLOGY

Year of Establishment: 2008

Location of the Institute: Telaprolu

A2: Institute Address:-

City: Telaprolu

State : Andhra Pradesh

Pin Code: 521109

Website: https://usharama.edu.in/

E-mail: principal@usharama.in

Phone No (with STD Code): 9177712255

A3: Name and Address of the Affiliating University (If any): -

Name of the University: Jawaharlal Nehru Technological University Kakinada

City: Kakinada

State: Andhra Pradesh

Pin Code: 533003

A4: Type of the Institution :-(Tick the applicable choice)

Institute of National Importance	☐	Deemed University	☐
University	☐	Autonomous	☑
Non-Autonomous (Affiliated)	☐	Any other (Please specify)*	☐

***Provide Details:** _____

A5: Ownership Status :-(Tick the applicable choice)

Central Government	☐	State Government	☐
Government Aided	☐	Self-financing	☑
Any Other (Please specify)*	☐	***Provide Details:**	_____

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

- No. of UG programs: 07
- No. of PG programs: 05

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

S.N.	Level of program (UG/PG)	Name of the program	Year of Start	Year of close*	Name of the Department
1	UG	B. Tech EEE	2008		EEE
2	UG	B. Tech ME	2010		ME
3	UG	B. Tech ECE	2008		ECE
4	UG	B. Tech CSE	2008		CSE
5	UG	B. Tech Information Technology	2008		Information Technology
6	UG	B. Tech Artificial Intelligence& Data Science	2021		Artificial Intelligence& Data Science
7	UG	B. Tech Artificial Intelligence & Machine Learning	2021		Artificial Intelligence & Machine Learning
8	PG	B. Tech VLSI And Embedded Systems	2012		ECE
9	PG	B. Tech Computer Science & Engg.	2013		CSE
10	PG	B. Tech Robotics and Artificial Intelligence	2021		ME
11	PG	B. Tech Cyber Security	2021		CSE
12	PG	B. Tech CSE (Artificial Intelligence & Machine Learning)	2021		CSE

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

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

Cluster ID.	Name of the Department	Name of the Program
1.	Mechanical Engineering	B. Tech Mechanical Engineering
2	Electrical & Electronics Engineering	B. Tech Electrical & Electronics Engineering
3	Electronics and Communication Engg.	B. Tech Electronics and Communication Engg.
4	Computer Science and Engineering	B. Tech Computer Science and Engineering

PART-B: Program information

(Data to be filled in for the program applied for Accreditation)

B1: Provide the Required Information for the Program Applied For:-

TableNo.B1: Program details.

S. N.	Program Name	Year of start	Sanctioned Intake	Increase/ decrease in intake, if any	Year of increase/ decrease	AICTE Approval Details	Accreditation Status*	No. of times program accredited
1.	ME	2010	60	30	2021	F. No. South-Central/1-9317770789/2021/EOA	Applying first time	Not applicable

*Write applicable one:

- Applying first time
- Granted accreditation for 2/3 years for the period(specify period)
- Granted accreditation for 5/6years for the period (specify period)
- Not accredited (specify visit dates, year).
- Withdrawn (specify visit dates, year)
- Not eligible for accreditation.

B2: Detail of Head of the Department for the program under consideration:

A. Name of the HoD: Dr. S. Madhusudan

B. Nature of appointment: (Tick the applicable choice)

- **Regular** ☑
- **Contract** ☐
- **Adhoc** ☐

C. Qualification:(Tick the applicable choice)

- **Ph.D.** ☑
- **ME/M.Tech** ☐
- **Any other*** ☐

Please provide details: _____

B3: Program Details

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

Item (Information is to be provided cumulatively for all the shifts with explicit headings, wherever applicable)	CAY 2024-25	CAYm1 2023-24	CAYm2 2022-23	CAYm3 2021-22	CAYm4 (LYG) 2020-21	CAYm5 (LYGm1) 2019-20	CAYm6 (LYGm2) 2018-19
N=Sanctioned intake of the program(as per AICTE /Competent authority)	30	30	30	30	90	90	120
N1=Total no. of students admittedinthe1st year minus the no. of students, who migrated to other programs/ institutions plus no. of students, who migrated To this program	19	18	20	18	23	20	51
N2= Number of students admitted in 2nd year in the same batch via lateral entry including leftover seats	--	16	15	23	50	36	25
N3=Separate division if any	00	00	00	00	00	00	00
N4= Total no. of students admitted in the 1stYear via all supernumerary quotas	00	00	00	00	00	00	00
Total number of students admitted in the program(N1+N2+N3 +N4)-excluding those admitted through multiple entry and exit points.	19	34	35	41	73	56	76

CAY=Current Academic Year.
CAYm1= Current Academic Year Minus 1
CAYm2=CurrentAcademicYearMinus2.
LYG= Last Year Graduate.
LYGm1=LastYearGraduateMinus1.
LYGm2=LastYearGraduateMinus2.

B4: Enrolment Ratio in the First Year

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

Item(Students enrolled in the First Year on average over 3 academic years (CAY, CAYm1, and CAYm2))	CAY 2024-25	CAYm1 2023-24	CAYm2 2022-23
N=Sanctioned intake of the program in the1st year(as per AICTE/Competent authority)	30	30	30
N1=Total no. of students admittedinthe1st year minus the no. of students, who migrated to other programs /institutions plus no. of students, who migrated to this program	19	18	20
N4=Total no. of students admitted in the1stYear via all supernumerary quotas	00	00	00
Enrolment Ratio(ER)=(N1+N4)/N	ER_1= 63.33	ER_2= 60.00	ER_3 = 66.66
Average ER=(ER_1+ER_2+ER_3)/3	63.11		

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	LYG 2020-21	LYGm1 2019-20	LYGm2 2018-19
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).	73	56	76
B=No. of students who graduated from the program in the stipulated course duration	65	48	69
Success Rate(SR)=(B/A)*100	SR_1 = 89.04	SR_2 = 85.71	SR_3 = 90.78
Average SR of three batches ((SR_1+SR_2+SR_3)/3)	88.51		

Note *: If the value of A in Table No. B5.1 is less than the sum of the sanctioned intake (N) and the lateral entry including leftover seats (N2), then the value of A in Table No.B5.1 should be the sum of the sanctioned intake (N) and the lateral entry including leftover seats (N2) of Table No.B3.1.

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)	8.89	8.63	8.59
Y=Total no. of successful students	17	19	17
Z=Total no. of students appeared in the examination	18	20	18
API=X*(Y/Z)	API_1= 8.39	API_2= 8.19	API_3=8.11
Average API=(API_1+API_2+API_3)/3	8.23		

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)	8.93	8.85	8.53
Y=Total no. of successful students	34	40	72
Z=Total no. of students appeared in the examination	35	41	73
API=X*(Y/Z)	API_1=8.67	API_2=8.63	API_3=8.41
Average API=(API_1+API_2+API_3)/3	8.57		

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)	8.81	8.62	8.47
Y=Total no. of successful students	40	70	53
Z=Total no. of students appeared in the examination	71	72	54
API=X*(Y/Z)	AP_1=8.59	AP_2=8.38	AP_3=8.31
Average API=(API_1+API_2+API_3)/3	8.42		

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	70	53	72
X=No. of students placed	51	43	61
Y=No. of students admitted to higher studies	12	04	06
Z=No. of students taking up entrepreneurship	--	--	01
X+ Y+ Z =	63	47	68
Placement Index(P) =(((X+Y+Z)/FS)*100)	P_1=90.0	P_2=88.67	P-3=94.44
Average placement index=(P_1+P_2+ P_3)/3	91.03		

Note *: If the value of FS in Table No. B9.1 is less than the sum of the sanctioned intake (N) and the lateral entry including leftover seats (N2),then the value of FS in Table No.B9.1 should be the sum of the sanctioned intake (N) and the lateral entry including leftover seats (N2) of Table No.B3.1.

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

S.N.	Name of the Faculty	Highest degree	University	Area of Specialization	Date of Joining in this Institution	Experience in years in	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)	If contractual mention Fulltime or (Part time or hourly based)	Currently Associated (Y/N)	Date of Leaving if any (Incase Currently Associated is "No")
1.	Dr Siddabathula Madhusudan	Ph.D	AU	Composite materials	02/04/2016	8.9	Professor	Professor	--	Regular	--	YES	--
2.	Dr Rebba Bhargavi	Ph.D	AU	Composite materials	13/09/2012	12.4	Asst. Prof	Professor	12/06/17	Regular	--	YES	--
3.	Dr. Vemulapalli Ajay Kumar	Ph.D	AU	Composite materials	19/06/2017	7.7	Asst. Prof	Assoc. Prof.	1/02/22	Regular	--	YES	--
4.	Dr. Battula Kiran Babu	Ph.D	JNTUK	Composite materials	12/06/2017	7.7	Asst. Prof	Assoc. Prof.	21/12/22	Regular	--	YES	--
5.	Dr. KVV Naga Raju	Ph.D	NIT Trichy	Metallurgy and materials Engg	26/09/2016	8.3	Asst. Prof	Assoc. Prof.	1/8/2022	Regular	--	NO	30/4/24
6.	Katuru Srinivasa Rao	M.Tech	JNTUK	Thermal Engg.	04/06/2015	9.8	Asst. Prof	Asst. Prof	--	Regular	--	YES	--
7.	CherukumalliVenkata Krishna	M.Tech	GITAM	Machine Design	29/06/2015	8.10	Asst. Prof	Asst. Prof	--	Regular	--	NO	30/4/24
8.	Shaik NawabMasid Abdul	M.Tech	JNTUH	HVAC	06/06/2016	8.8	Asst. Prof	Asst. Prof	--	Regular	--	YES	--
9.	Malisetti Kiran Durga Kumar	M.Tech	JNTUK	Machine Design	06/06/2016	8.8	Asst. Prof	Asst. Prof	--	Regular	--	YES	--
10.	Gandepudi Jaya Raju	M.Tech	JNTUK	Machine Design	13/06/2016	8.7	Asst. Prof	Asst. Prof	--	Regular	--	YES	--
11.	Nadakuditi Siva Krishna	M.Tech	JNTUK	Machine Design	08/07/2016	7.9	Asst. Prof	Asst. Prof	--	Regular	--	NO	1/5/24
12.	Jalasutram Ashok Kumar	M.Tech	JNTUK	Thermal Engg.	26/09/2016	7.7	Asst. Prof	Asst. Prof	--	Regular	--	NO	30/4/24

13.	KondruVidya	M.Tech	JNTUH	Industrial Engg.	14/06/2017	7.7	Asst. Prof	Asst. Prof	--	Regular	--	YES	--
14.	Chikkala Sony	M.Tech	JNTUH	Thermal Engg.	19/12/2017	7.1	Asst. Prof	Asst. Prof	--	Regular	--	YES	--
15.	Rahul G Karmankar	M.Tech	KU	Machine Design	15/11/2019	5.2	Asst. Prof	Asst. Prof	--	Regular	--	YES	--
16.	Nandeti Ranjith Kumar	M.Tech	JNTUK	Thermal Engg.	18/11/2019	5.2	Asst. Prof	Asst. Prof	--	Regular	--	YES	--
17.	Daliparthi Sujatha	M.Tech	ANU	Production	16/03/2020	4.10	Asst. Prof	Asst. Prof	--	Regular	--	YES	--
18.	J. Madhu Kiran	M.Tech	JNTUK	Machine Design	02/08/2021	3.6	Asst. Prof	Asst. Prof	--	Regular	--	YES	--
19.	Bokinala Nani	M.Tech	JNTUK	Thermal Engg.	06/10/2021	3.4	Asst. Prof	Asst. Prof	--	Regular	--	YES	--
20.	Dimmiti Keerthi Yadav	M.Tech	JNTUK	Thermal Engg.	03/07/2023	1.7	Asst. Prof	Asst. Prof	--	Regular	--	YES	--

C2: Student-Faculty Ratio (SFR)

❖ No. of UG (Engineering) programs in Department including allied departments/ clusters (UG_n):

➢ UG_1=1st UG program

➢ UG_n=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 (PG_m):

➢ PG_1=1st PGprogram.

➢ PG_m=m^{th} PG program

- **A=**No.ofStudentsinPG1st year
- **B=**No.ofStudentsinPG2nd 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.ofstudents(ST)=**SanctionedIntake(SA)+Actualadmittedstudentsvialateralentryincluding 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)).

TableNo.C2.1: Student-faculty ratio.

Year	**CAY (2024-25)**	**CAYm1 (2023-24)**	**CAYm2 (2022-23)**
UG_1.B // 2nd yearstudentsofUG_1program	33	33	33
UG_1.C //3rd yearstudentsofUG_1program	33	33	99
UG_1.D //4th yearstudentsofUG_1program	33	99	99
UG_1 //Total no. of students(2nd,3rd,4th)in UG_1 program	**99**	**165**	**231**
PG_1.A //1st yearstudentsofPG_1program	12	12	12
PG_1.B //2nd yearstudentsofPG_1program	12	12	12
PG_1 //Total no. of students(1st,2nd) in PG_1 program	**24**	**24**	**24**
DS=Total no. of students in all UG and PG programs in the Department	**123**	**189**	**255**

S=Total no. of students of all UG and PG programs in allied departments	**123**	**189**	**255**
S=Total no. of students in the Department (DS) and allied departments (AS)	**123**	**189**	**255**
DF=Total no. of faculty members in the Department	16	20	19
F=Total no. of faculty members in the Department (DF) and allied Departments (AF)	16	20	19
FF=The faculty members in F who have a 100% teaching load in the first-year courses	0	0	0
Student Faculty Ratio(SFR)=S/(F-FF)	**7.69**	**9.45**	**13.42**
Average SFR for 3 years	Average SFR=(SFR1+SFR2+SFR3)/3 = **10.19**		

C3: Faculty Qualification

- Faculty qualification index (FQI)=2.5*[(10X+4Y)/RF]where
  - X=No.offacultymemberswithPh.D.degreeorequivalentasperAICTE/UGCnorms.
  - Y=No.offacultymemberswithM.Tech.orMEdegreeorequivalentasperAICTE/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. C 3.1: Faculty qualification.

Year	X	Y	RF	FQI=2.5*[(10X+4Y)/RF]
CAY (2024-25)	4	12	7	**31.42**
CAYm1 (2023-24)	5	15	10	**27.5**
CAYm2 (2022-23)	5	14	13	**20.38**
			Average Assessment	**26.43**

C4: Faculty Cadre Proportion

- FacultyCadreProportionis1(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.ofAssociateProfessorsrequired=2/9*No.ofFacultyrequiredtocomplywith20:1Student- Faculty ratio based on no. of students (S) as per section C2 of this documents:.
  - RF3=No.ofAssistantProfessorsrequired=6/9*No.ofFacultyrequiredtocomplywith20:1Student- 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 Faculty (RF1)	Available Faculty (AF1)	Required Faculty (RF2)	Available Faculty (AF2)	Required Faculty (RF3)	Available Faculty (AF3)
CAY (2024-25)	1	2	2	2	5	12
CAYm1 (2023-24)	2	2	3	3	7	15
CAYm2 (2022-23)	2	2	3	3	9	14
Average Numbers	RF1=1.66	AF1= 2	RF2= 2.66	AF2=2.66	RF3=7	AF3= 13.66

Faculty Cadre Proportion marks = $[[AF1/RF1]+[AF2/RF2x0.6]+[AF3/RF3x0.4]]$ x12.5= **32.25**

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.

S.N.	Name of the Person	Designation & Organization	Name of the Course	No. of hours handled
CAYm1(2023-24)				
1	Sir M. Satyanarayana	CITD, Vijayawada	CAD/CAM (1st sem)	30
			Design and Analysis (1st sem)	30
2	Dr. N.R.M.R. Bhargava	Rtd. Professor, AU, Visakhapatnam	Nano Technology (2nd sem)	25
			Metallurgy and Material Science (2nd sem)	25
			Total no. of hours:	110
CAYm2(2022-23)				
1	Sri B. Ramesh Kumar	Rtd. Group GM, ONGC, MRPL, Bengaluru	Production Planning and Control (1st sem)	20
			Quality and Reliability Engineering (1st sem)	20
..	Sir M. Satyanarayana	CITD, Vijayawada	CAD/CAM (2nd sem)	30
			Design and Analysis (2nd sem)	30
			Total no. of hours:	100
CAYm3(2022-21)				
1	Sri M. Nagaraju	Sr. Engineer-Materials, GP ENG-IND-Materials and Processes Engineering	Industrial Safety Engineering (1st sem)	20
			Non-Destructive Analysis (1st sem)	20
2	Sir V. Raghavendra	CITD, Vijayawada	CAD/CAM (2nd sem)	30
			Design and Analysis (2nd sem)	30
			Total no. of hours:	100

C6: Academic Research

Table No. C6.1: Faculty publication details.

S.N.	Item	CAYm1 (2023-24)	CAYm2 (2022-23)	CAYm3 (2021-22)
1	No. o f peer reviewed journal papers published	13	1	3
2	No. of peer reviewed conference papers published	5	4	3
3	No. of books/book chapters published	-	-	-

C7: Sponsored Research Project

Table No.C7.1: List of sponsored research projects received from external agencies.

S.N.	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)
CAYm1							
1	**Nil**						
Amount received (Rs.) Nil							
CAYm2							
1	**Nil**						
Amount received (Rs.) Nil							
CAYm3							
1	**Nil**						
Amount received (Rs.) Nil							
Total Amount (Lacs) Received for the Past 3 Years: Nil							

C8: Consultancy Work

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

S.N.	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)
CAYm1 (2023-24)							
1	Dr. S. Madhusudan	--	Dept. of Mechanical Engineering	Online Exam	TCS ION	1 Month	0.54
Amount received (Lacs.)							0.54
CAYm2 (2022-23)							
1	Dr. S. Madhusudan	--	Dept. of Mechanical Engineering	Online Exam	TCS ION	1 Month	1.45
Amount received (Lacs.)							1. 45
CAYm3 (2021-22)							
1	Dr. S. Madhusudan	--	Dept. of Mechanical Engineering	Online Exam	TCS ION	1 Month	3.41
Amount received (Lacs.)							3. 41
Total amount (Lacs) received for the past 3 years							5.41

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 orinternal research grant from the Institution.

S.N.	Faculty name	Project title/Support for Activity	Duration	Amount (Lacs)	Amount Utilized (Lacs)	Outcomes of the project
CAYm1						
1	Dr. B. Kiran Babu	Developing micro-lamellar composites of magnesium-calcium deficient nano hydroxyapatite by powder metallurgy route	3 months	0.04	0.04	Paper Published in Sci Journal
2	Dr. B. Kiran Babu	Shot peening of AZ31 magnesium alloy: role of surface microstructure and iron diffusion on corrosion behaviour	2 months	0.04	0.04	Paper Published in Sci Journal
3	Dr.S. Madhusudan	Experimental Studies on Polyester-Titanium Functionally Graded Materials	2 months	0.03	0.03	Paper Published in Scopus Journal
4	Dr. R. Bhargavi	Mechanical Properties of Basalt/Chopped E-Glass Fiber and Graphite Powder Reinforced Hybrid Composites	2 months	0.03	0.03	Paper Published in Scopus Journal
5	Dr. V. Ajay Kumar	Investigations on Microstructure and Mechanical Properties of HAp Nanocomposites reinforced with ZrO2 and TiO2	2 months	0.03	0.03	Paper Published in Scopus Journal
6	Dr. R. Bhargavi	A Tri-Band and Affordable Microstrip Patch Antenna for Wireless Communications	4 months	0.03	0.03	Paper Published in Scopus Journal
7	G. Jaya Raju	A review on reinforcements, fabrication methods and mechanical wear properties of titanium metal matrix composites	3 months	0.03	0.03	Paper Published in Scopus journal
8	G. Jaya Raju	improve the performance of complex system through artificial intelligence	2 months	0.03	0.03	Paper Published in Scopus journal
9	Dr.S. Madhusudan	Conference Presentation	2 months	0.035	0.035	Registration for conference and TA
10	Dr. R. Bhargavi	Conference Presentation	2 months	0.035	0.035	Registration for conference and TA
11	Dr. V. Ajay Kumar	Conference Presentation	2 months	0.035	0.035	Registration for conference and TA
12	G. Jaya Raju	Conference Presentation	2 months	0.025	0.025	Registration for conference and TA
13	Rahul G Karmankar	Full time Ph.D in NIT Warangal	--	0.5	0.5	Ph.D Admission
Amount received (Rs.)89,000						
CAYm2						
1	Dr.K.V.V. Naga Raju	Ph.D awarded from NIT Trichy	NA	0.5	0.5	Ph.D Awarded
2	Dr. B. Kiran Babu	Ph.D awarded from JNTU kakinada	NA	0.5	0.5	Ph.D Awarded
3	CH.V. Krishna	Part-time Ph.D enrollment in Annamalai University, Chennai	NA	0.5	0.5	Ph.D Admission
4	Dr. R. Bhargavi	High Band Width Millimeter Wave Dual Band Silver Nano Antenna Array for 5G Applications	3 months	3000	3000	Paper Published in Scopus Journal

			Amount received (Rs.)		**1,53,000**	
1	Dr. V. Ajay Kumar	Ph.D awarded from Andhra university, Visakhapatnam.	**CAYm3**	50000	50000	Ph. D Awarded
2	K. Vidya	Part-time Ph.D enrollment in Acharya Nagarjuna University, Guntur	NA	0.5	0.5	Ph. D Admission
3	Dr. B. Kiran Babu	Friction stir processing of ZE41 Mg alloy: Optimizing the process parameters	1 month	0.03	0.03	Paper Published in Scopus Journal
4	G. Jaya Raju	Fabrication and Modal analysis of composite leaf spring	2 months	0.02	0.02	Paper Published in UGC care Journal
Amount received (Rs.) 1,05,000						
Total amount (Lacs) received for the past 3 years 3.47						

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.

S.N.	Name of the Laboratory	No. of students per setup (Batch Size)	Name of the major equipment	Weekly utilization status (all the courses for which the lab is utilized)	Technical Man power support		
					Name of the technical staff	Designated on	Qualification
1.	Engineering workshop	3	1. Bench vice 2. Wooden Jack plane 3. Bench vice 4. Wooden Jack plane 5. Metal jack Plane 6. Bench vice 7. Vernier calipers 8. Surface plate 9. Angle plate 10. Swage block 11. Molding flask 12. Power hack saw machine 13. Bench grinder 14. Bench drilling machine with motor 15. Welding machine 16. Hand drill machine 17. C Clamp 18. Manual shearing M/C 19. Hand grinding M/C 20. Bench vice 21. Box spanner	100% Labs, workshops, Projects (18hrs+10hrs)	D. Keshava Kishore K. James Chandra Paul, M. Rambabu,	Lab Technician, Senior Lab Technician, Senior Lab technician	DME, I.T.I, I.T.I
2.	Fluid mechanics & Hydraulic machinery lab	3	1. Pelton Turbine Test Rig 2. Francis Turbine Test Rig 3. Impact of jet of vanes 4. Losses in pipes 5. Multistage Centrifugal Pump 6. Reciprocating pump 7. Pipe Friction apparatus 8. Venturimeter apparatus 9. Orifice meter apparatus 10. Single stage centrifugal pump 11. External mouth piece 12. Rectangular &Triangular Notch 13. Bernoulli's Apparatus	100% Labs, workshops, Projects	M.Gangadhar Reddy	Senior Lab Technician	I.T.I
3	Production Technology Lab	3	1. Wood turning lathe 2. Hand fly press 3. Spot welding machine with accessories & argon cylinder 4. Injection molding machine 5. Blow molding 6. Tig welding 7. Die & punch sets 8. Sand Molding Equipment 9. Wood turning lathe 10. Hand fly press 11. Spot welding machine	100% Labs, workshops, Projects	Ch. Rambabu	Senior Lab Technician	I.T.I

4	Theory of machines lab		1. Whirling Speed 2. Universal Governor 3. Universal Vibration System 4. Flywheel Apparatus 5. Cam Analysis Apparatus 6. Four Bar Chain Mechanism 7. Gear Models 8. Friction For Belt And Pulley 9. Models 10. Universal testing machine 11. Torsion testing machine 12. Spring testing machine	100% Labs, workshops, Projects	Ch.Rambabu	Senior Lab Technician	I.T.I
5	Materials Testing Lab	3	1. Universal Testing machine 2. Impact testing machine for izoid/ charpy test 3. Rockwell cum brinell hardness tester 4. Simply supported beam set up 5. Cantilever beam set up Compression testing machine (hydraulic)	100% Labs, workshops, Projects	M. Gangadhar Reddy	Senior Lab Technician	I.T.I
6.	Statically and quality control lab	3	--	100% Labs, workshops, Projects	D. Keshava Kishore	Lab Technician	DME
7.	Thermal Engineering Lab	3	1Actual cut section model of 2-stroke diesel engine 2.4-stroke single cylinder diesel engine test rig with rope brake dynamometer with rope brake dynamometer 3.2-stroke single cylinder petrol engine test rig with rope brake dynamometer 4.4-stroke four cylinder petrol engine test rig with eddy current dynamometer 5.4-stroke single cylinder petrol engine test rig with motoring and variable compression ratio 6.Air compression test rig 7.Babcock and Wilcox boiler model 8.Benson boiler model 9.Cochran boiler model	100% Labs, workshops, Projects	K. James Chandra paul	Senior Lab Technician	I.T.I
8.	Machine Tools Lab	3	1.Shaper Machine 2.Lathe Machines 3.Universal milling machine 4.Radial Drilling Machine 5.Surface Grinding Machine 6.Slotting Machine 7.Planar machine 8.Tool & cutter grinder 9.Cylindrical grinding machine	100% Labs, workshops, Projects	D. Keshava Kishore	Lab Technician	DME
9.	Mechatronics Lab	3	1.Traffic Light Controller 2.Water Level Controller 3..Lift Control Module 4..Programmable Logic Control Trainer K 5..Transducers Kit	100% Labs, workshops, Projects	D. Keshava Kishore	Lab Technician	DME
10.	Heat Transfer lab	3	1. Composite slab 2. Heat Transfer through Lagged Pipe 3. Thermal Conductivity of Metal Rod 4. Heat Transfer in Pin Fin 5. Heat Transfer in Forced Convection 6. Heat Transfer in Natural Convection 7. Parallel and Counter Flow Heat Exchanger 8. Emissivity Measurement Apparatus 9. Stefan Boltzmann Apparatus 10. 10.Thermal Conductivity of Insulating Powder	100% Labs, workshops, Projects	Ch. Ram Babu	Senior Lab Technician	I.T.I

11.	Metrology & Instrumentationi n lab	3	1. Mechanical Vernier Calipers 2. Digital Vernier calipers 3. Outside MicrometersInside 4. Micrometers 5. Dial Bore Indicators 6. Gear tooth Vernier calipers 7. Bevel Protractor 8. Sine Bar 200 mm 9. Dial Gauges with Magnetic Stands 10. Tool Makers Microscope 11. Spirit Level 12. Angle Gauge Set 13. Slip Gauge Set 14. Temperature Measurement Trainer 15. LVDT Trainer 16. Rota meter for flow Measurement 17. Vibration Measurement Setup 18. Photo & Magnetic speed pickup 19. McLeod Gauge 20. Dead Weight Pressure Gauge	100% Labs, workshops, Projects	K. Ajay	Lab Technician	DME
12.	CAM lab	3	1. CNC Lathe machine 2. CNC Milling machine	100% Labs, workshops, Projects	K. Ajay	Lab Technician	DME
13.	Simulation Lab	1	1. Computer Systems 2. UPS	100% Labs, workshops, Projects	D. Keshava Kishore	Lab Technician	DME
14.	Engineering Mechanics Lab	3	1. Static and Rolling Frictions setup 2. Compound pendulum 3. Flywheel 4. Rotation Disc Apparatus and Bell 5. Crank Lever 6. Polygon law of forces 7. Centre of Gravity of different shaped Plane Lamina	100% Labs, workshops, Projects	K. Ajay	Lab Technician	DME

D2:`Safety Measures in Laboratories

TableNo.D2.1: List of various safety measures in laboratories.

S.N.	Name of the Laboratory	Safety measures
1	Engineering workshop	1.Fire extinguishers are provided in the laboratory. 2. Meshing partition is provided on the work tables of Fitting section. 3. Minimum distance is maintained between two students working on the same bench and also between work benches. 4. A good number of technicians are always present.
2	Materials Testing Lab	1. Earthling is provided for all Machines working on Electrical Power. 2. Fire extinguisher is provided in the laboratory. 3. Minimum distance is maintained between Experimental setup. 4. First aid box is provided in the Laboratory. 5. Without shoes and apron no student is allowed to enter the lab as these are basic need. 6. Boards consisting of Do′s and Don′ts are displayed in the laboratory.

3	Thermal Engineering Lab	1. Earthling is provided for all Machines working on Electrical Power. 2. Minimum distance is maintained between experimental setup. 3. Starting of IC Engines is done under the supervision of an experienced Technician who guides them during the process. 4. First aid box is provided in the laboratory. 5. Boards consisting of Do's and Don'ts are displayed in the laboratory. 6. Without shoes and apron no student is allowed to enter the lab as these are basic need.
4	Machine Tools Lab and Production Technology lab	1. Earthling is provided for all Machines working on Electrical Power. 2. Fire extinguisher is provided in the laboratory. 3. **Minimum** distance is maintained between Experimental setup. 4. Goggles and Gloves are provided. 5. Wooden planks are provided as Pedestals for students working on Machine's. 5. Technicians are always available to guide the students and meet any emergency. 6. First-aid box is provided in the entire laboratory. 7. Boards consisting of Do's and Don'ts are displayed in the laboratory. 8. Without shoes and apron no student is allowed to enter the lab as these are basic need.
5.	Fluid Mechanics and Hydraulic Machinery Lab	1. Earthling is provided for all Machines working on Electrical Power. 2. Spillage of Mercury from the Manometer is prevented. 3. First-aid box is provided. 4. Without shoes and apron no student is allowed to enter the lab as these are basic need. 5. Boards consisting of Do's and Don'ts are displayed in the laboratory.
6.	Metrology and Instrumentation lab	1. Equipment handling has to be gentle. 2. Earthling is provided for all Machines working on Electrical Power. 3. First aid box is provided. 4. Without shoes and apron no student is allowed to enter the lab as these are basic need. 5. Boards consisting of Do's and Don'ts are displayed in the laboratory.
7.	CAM Lab	1. Equipment handling has to be gentle. 2. First aid box is provided. 3. Without shoes and apron no student is allowed to enter the lab as these are basic need. 4. Boards consisting of Do's and Don'ts are displayed in the laboratory.
8.	Heat Transfer Lab	1. Earthling is provided for all Machines working on Electrical Power. 2. Minimum distance is maintained between Experimental setup. 3. First-aid box is provided in the laboratory. 4. Without shoes and apron no student is allowed to enter the lab as these are basic need. 5. Boards consisting of Do's and Don'ts are displayed in the laboratory.
9.	Design and Analysis Lab	1. Earthling is provided for all Systems on Electrical Power. 2. Fire extinguisher is provided. 3. First-aid box is provided. 4. Boards consisting of Do's and Don'ts are displayed in the laboratory.

Fire Extinguisher

First aid box

D3: Project Laboratory/Research Laboratory

LIST COMPUTING OF FACILITIES AVAILABLE IN MECHANICAL ENGINEERING DEPARTMENT

S. NO.	FACILITY	QUANTITY
1.	DESKTOPS	30
2.	PRINTER	01
3.	UPS	01

LIST COMPUTING OF SOFTWARES AVAILABLE IN MECHANICAL ENGINEERING DEPARTMENT

S. NO.	NAME OF THE SOFTWARE	VERSION
1.	MATLAB	2009,2015 STUDENT VERSION
2.	CATIA	--

Table No. D3.1: List of project laboratory/research laboratory/Centre of Excellence.

S.N.	Name of the Laboratory	Name of the Facility	Utilization
1.	Laboratory for Metal Matrix Composites	Electrical-resistance furnace. Disc polishing machine Optical Microscope	Utilized by UG/PG students for conducting Fatigue tests and the fabrication of composites using liquid metallurgy route.
2.	Laboratory for collaborative product development	3D Printer CAD Station.	Utilized by UG/PG students for fabrication of parts using fused deposition modeling and

			Design the models.
3.	Laboratory for Polymer Matrix Composites	Tabletop Injection moulding setup. Hygric strain measuring setup. Manual layup setup for fabrication of PMCs.	Utilized by UG/PG students for fabrication of PMCs
4.	Fuel Testing lab for Bio-diesel	Viscometer Flash and fire point testing Performance Testing	Utilized by UG/PG students for performing projects on alternative fuels.

Table No. D3.1 (Annexure): Glimpses of various Laboratories

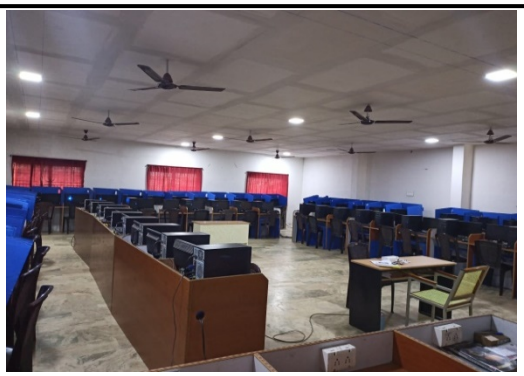
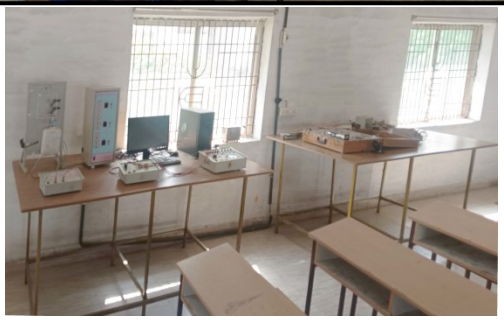
S.N.	Name of the Laboratory	Lab Photographs
1.	Engineering workshop	 

2.	Materials Testing Lab	 
3.	Thermal Engineering Lab	 

4.	Machine Tools Lab	 
5.	Production Technology lab	 

6.	Fluid Mechanics and Hydraulic Machinery Lab	 
7.	Metrology and Instrumentation lab	 

8.	CAM Lab	 
9.	Heat Transfer Lab	 
10.	Theory of Machines Lab	

		
11.	Design and Analysis Lab	 
12.	Mechatronics lab	 

13.	Engineering Mechanics	   

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))/RF4
CAY 2023-24)	660	33	26	10	69%
CAYm1 (2022-23)	540	27	28	8	89%
CAYm2 (2021-22)	540	27	29	8	92%

Sl.No.	Name of the faculty	Highest Degree	University	Area of Specialization	Date of Joining in this institution	Experience in years in current Institute	Designation at Time of Joining In this institution	Present Designation	The date on which Designation as Professor/ Associate Professor if any	Nature of Association (Regular /Contract /Adhoc)	If contractual mention Full time or (Part time or hourly based)	Currently Associated (Y/N)	Date of Leaving if any (In case currently Associated is‘No”)

1	DRAri Madana Mohana Rao	Ph.D	AcharyaNagarjunaUniversity	Mathematics	30/12/2008	16Years	Associate Professor	Professor	01/01/2014	Regular	FullTime	Yes	
2	DrVSrihariBabu	Ph.D	RayalaseemaUniversity	Mathematics	01/07/2010	14Years	Assistant professor	Associate professor		Regular	FullTime	Yes	
3	T. Srikanth Naidu	M.SC, M.Phil	SVU	Mathematics	01.06.2012	13Years	Assistant professor	Assistant professor		Regular	FullTime	Yes	
4	M.Naga Deepthi	M.SC	AcharyaNagarjunaUniversity	Mathematics	04.06.2013	12years	Assistant professor	Assistant professor		Regular	FullTime	Yes	
5	D.Victor	M.SC	AcharyaNagarjunaUniversity	Mathematics	08.06.2018	6Years	Assistant professor	Assistant professor		Regular	FullTime	Yes	
6	Dr.Hima Bindu	Ph.D	KLU	Mathematics	18.10.2021	3 Years6m	Assistant Professor	Assistant Professor		Regular	Fulltime	Yes	
7	A.Ram Babu	M.SC	AcharyaNagarjunaUniversity	Mathematics	06.06.2022	3Years	Assistant professor	Assistant professor		Regular	FullTime	Yes	
8	P.N.S.LalithaRani	M.SC	AcharyaNagarjunaUniversity	Mathematics	08/06/2022	3Years	Assistant professor	Assistant professor		Regular	FullTime	Yes	
9	D.Sujatha	M.SC	AKNU(RJY)	Mathematics	06.06.2022	3Years	Assistant professor	Assistant professor		Regular	FullTime	Yes	
10	M.Ribca Rani	M.SC	AndhraUniversity	Mathematics	17/06/2022	3Years	Assistant professor	Assistant professor		Regular	FullTime	Yes	
11	T.Usha	M.SC	AndhraUniversity	Mathematics	02.05.22	3 Years1m	Assistant professor	Assistant professor		Regular	FullTime	Yes	
12	DrR Vijay	Ph.D	AcharyaNagarjunaUniversity	Glasses	13/06/2016	8years	Assistant Professor	Associate Professor	25/03/2023	Regular	Fulltime	Yes	
13	S.Anusha	M.SC	AcharyaNagarjunaUniversity	Physics	09.07.10	14Years	Assistant Professor	Assistant Professor		Regular	Fulltime	Yes	
14	D.Jhansi	M.Sc	KrishnaUniversity	Physics	08/07/2023	1 Year8m	assistant professor	assistant professor		Regular	Fulltime	Yes	
15	P.Dhyva Stuthi	M.Sc	AcharyaNagarjunaUniversity	Physics	07/06/2022	3Years	Assistant Professor	Assistant Professor		Regular	FullTime	Yes	
16	DrBNagaSrinivas	Ph.D	HNBG University	Chemistry	01/07/2012	13Years	Professor	Professor		Regular	FullTime	Yes	
17	PNaga Mani	M.Sc	AcharyaNagarjunaUniversity	Chemistry	25/04/2022	3 Years2m	Assistant Professor	Assistant Professor		Regular	FullTime	Yes	
18	K.JaiSai Lakshmi	M.Sc	AndhraUniversity	Chemistry	07/08/2021	3 Years9m	Assistant Professor	Assistant Professor		Regular	FullTime	Yes	
19	KRajesh Kumar	M.A	AcharyaNagarjunaUniversity	English	18.03.2015	9Years	Assistant Professor	Assistant Professor		Regular	FullTime	Yes	
20	Dr.K. Eliah	Ph.D	AcharyaNagarjunaUniversity	ELT	01.06.2018	6Years 5months	Associate Professor	Associate Professor		Regular	FullTime	Yes	
21	R Simhachalam	M.A	AndhraUniversity	EnglishLiterature	03/12/2018	6Years 5months	Assistant professor	Assistant professor		Regular	Fulltime	Yes	
22	G.Vijaya Swapna	M.A	university OfMadras	ELT	21.02.2022	3Years 2months	Assistant Professor	Assistant Professor		Regular	FullTime	Yes	
23	S.SreeLakshmi	M.A,M.Phl	Nagarjuna University	EnglishLiterature	01/08/2022	2 years9m	Assistant Professor	Assistant Professor		Regular	Fulltime	Yes	
24	R.Sarojini Devi	M.A	Aacharya Nagarjuna University	EnglishLiterature	10.06.2021	3Years 10months	Assistant Professor	Assistant Professor		Regular	FullTime	Yes	

25	G.SreeManogna	M.A	KrishnaUniversity	EnglishLiterature	22/06/2022	3Years	Assistant Professor	Assistant Professor		Regular	Fulltime	Yes	
26	PVijaya Kumar	M.A.	Nagarjuna University	EnglishLiterature	06/11/2012	12years	Assistant Professor	Assistant Professor		Regular	Fulltime	Yes	
27	Kakarla Venkata SivaKumarBabu	M.Tech MBA	JNTUH	CivilEngineering	04/05/2015	9.7	Assistant Professor	Assistant Professor		Regular	Fulltime	Yes	
28	Gogineni GiriPrasad	M.Tech	JNTUH	CivilEngineering	30-01-2019	6YEARS	Assistant Professor	Assistant Professor		Regular	Fulltime	Yes	
29	KAshok	M.Tech	JNTUK	CivilEngineering	23/10/2019	5.2	Assistant Professor	Assistant Professor		Regular	Fulltime	S	
30	DiviSahityaDevi	M.Tech	JNTUK	CONTROLSYSTEM	10/06/2024	0.4	Assistant Professor	Assistant Professor		Regular	Fulltime	Yes	
31	DharavathuHariChandraPrasadBabuNayak	M.Tech	JNTUK	POWER SYSTEM	06/06/2020	4.9	Assistant Professor	Assistant Professor		Regular	Fulltime	Yes	
32	KurumatlaBhushanKumar	M.Tech	JNTUK	POWER SYSTEM	07/06/2022	3 Year3m	Assistant Professor	Assistant Professor		Regular	Fulltime	Yes	
33	Mekala Ribca	M.Tech	JNTUK	POWER SYSTEM	07/06/2022	3 Year3m	Assistant Professor	Assistant Professor		Regular	Fulltime	Yes	
34	BSIRISHA	M.Tech	JNTUK	CSE	01/07/2015	9Years	Assistant Professor	Assistant Professor		Regular	Fulltime	Yes	
35	MRAJESH	M.Tech	JNTUK	CSE	01/07/2012	12years	Assistant Professor	Assistant Professor		Regular	Fulltime	Yes	
36	P. JYOTSHN	M.Tech	JNTUK	CSE	27/12/2024		Assistant Professor	Assistant Professor		Regular	Fulltime	YES	
37	P.ThirupathiRao	M.Phil.	KU	Mathematics	13/06/2013	10years	Associate Professor	Associate Professor		Regular	FullTime	No	06.06.23
38	Kota.Sri Lakshmi	M.Sc	KrishnaUniversity	organicchemistry	05/11/2021	2years10 months	Assistant Professor	Assistant Professor		Regular	FullTime	No	27.07.24
39	N Adi Lakshmi	M.Sc	AcharyaNagarjunaUniversity	Physics	06.12.21	2 Year8m	Assistant Professor	Assistant Professor		Regular	Fulltime	No	01.08.24
40	M ThambiRa	M.A	KrishnaUniversity	EnglishLiterature	27.11.2019	3Years 10months	Assistant Professor	Assistant Professor		Regular	Fulltime	No	30.09.23

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 CFY** (2023-24)	**Actual expenses in CFY(till ...)** (2023-24)	**Budgeted in CFY*m*1** (2022-23)	**Actual Expenses in CFY*m*1** (2022-23)	**Budgeted in CFY*m*2** (2021-22)	**Actual Expenses in CFY*m*2** (2021-22)	**Budgeted in CFY*m*3** (2020-21)	**Actual Expenses in CFY*m*3** (2020-21)
Infrastructure Built-Up	2200000	2177028	5500000	5301678	19000000	18842755	115000	110640
Library	140000	136825	150000	145876	60000	57687	350000	342803
Laboratory equipment	2750000	2718668	10750000	10710819	10000000	9608469	50000	50000
Teaching and non-teaching staff salary	74000000	73192418	70600000	70558952	73500000	73359803	53000000	52238999
Outreach Programs	71000	71000	44500	44500	44500	44500	44500	44500
R&D	275000	273520	350000	344989	820000	817461	430000	420149
Training, Placement and Industry linkage	2000000	1935455	10000000	973500	50000	50000	50000	50000
SDGs	200000	168661	150000	140669	170000	166617	20000	15058
Entrepreneurship	800000	796500	1000000	989902	1000000	1039875	500000	497810
Others*, pl. Specify (Personnel Cost, Power, Fuel, Water charges, Rent and Taxes, Insurance, Administrative Expenses) Bank Charges & Interest on Loan Depreciation	87574000	86896765	63550500	63432150	63285500	62900047	48960500	48776009
Total amount	**170010000**	**168366840**	**53095000**	**152643035**	**167930000**	**166887214**	**103520000**	**102545968**

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 CFY** (2023-24)	**Actual expenses in CFY(till ...)** (2023-24)	**Budgeted in CFY*m*1** (2022-23)	**Actual Expenses in CFY*m*1** (2022-23)	**Budgeted in CFY*m*2** (2021-22)	**Actual Expenses in CFY*m*2** (2021-22)	**Budgeted in CFY*m*3** (2020-21)	**Actual Expenses in CFY*m*3** (2020-21)
Laboratory equipment	290500	256706	1080000	1075566	1500000	1010890	30000	27688
Software	120000	117363	30000	21363	50000	46841	5000	1000
SDGs	20000	16866	15000	14067	17000	16662	2000	1506
Support for faculty development	90000	868858	90000	870597	70000	67183	170000	169827
R&D	27500	27352	35000	34499	82000	81746	43000	42015
Industrial Training, Industry expert, Internship	80000	79650	100000	98990	100000	103988	50000	49781
Miscellaneous Expenses (Personnel Cost, Power, Fuel, Water charges, Rent and Taxes, Insurance, Administrative Expenses And Etc,.)	15893000	14638679	16359500	15517906	17454000	17831754	10052000	9962780
Total amount	**16521000**	**16005474**	**17709500**	**17632988**	**19273000**	**19159064**	**10352000**	**10254597**