NATIONAL BOARD OF ACCREDITATION

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

PART-A: Profile of the Institute

Name of the Program Applied for: Mechanical Engineering

A1: Name of the Institute: - KAKATIYA INSTITUTE OF TECHNOLOGY & SCIENCE

Year of Establishment: 1980

Location of the Institute: Hanamkonda, Koukonda, Telangana 506015

A2: Institute Address: -

City : Warangal

State : Telangana

Pin Code : 506015

Website : www.kitsw.ac.in

E-mail : PRINCIPAL.KITSWGL@GMAIL.COM

Phone No (with STD Code) : 0870-2564888

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

Name of the University : Kakatiya University

City : Warangal

State : Telangana

Pin Code: 506009

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: 11
- No. of PG programs: 08

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

S. No.	Level of program (UG/PG)	Name of the program	Year of Start	Year of close*	Name of the Department
1	UG	Civil Engineering	1980	-	Civil Engineering
2	UG	Mechanical Engineering	1980	-	Mechanical Engineering
3	UG	Electrical & Electronics Engineering	1994	-	Electrical & Electronics Engineering
4	UG	Electronics Communication and Instrumentation Engineering	2017	-	Electronics Communication and Instrumentation Engineering
5	UG	Computer Science and Engineering	1994	-	Computer Science and Engineering
6	UG	Information Technology	1999	-	Information Technology
7	UG	Electronics and Communication Engineering	2000	-	Electronics and Communication Engineering
8	UG	Computer Science and Engineering (Networks)	2017	-	Computer Science and Engineering (Networks)
9	UG	Computer Science and Engineering (Artificial Intelligence& Machine Learning)	2020	-	Computer Science and Engineering (Artificial Intelligence& Machine Learning)
10	UG	Computer Science and Engineering (Internet of Things)	2020	-	Computer Science and Engineering (Networks)
11	UG	Computer Science and Engineering (Data Science)	2022	-	Computer Science and Engineering (Artificial Intelligence& Machine Learning)
12	PG	Design Engineering	2004	-	Mechanical Engineering
13	PG	Power Electronics	2013	-	Electrical & Electronics Engineering

S. No.	Level of program (UG/PG)	Name of the program	Year of Start	Year of close*	Name of the Department
14	PG	Structural Engineering and Construction	2004	-	Civil Engineering
15	PG	Software Engineering	2004	-	Computer Science and Engineering
16	PG	Data Science	2020	-	Information Technology
17	PG	Embedded System & VLSI	2021	-	Electronics Communication and Instrumentation Engineering
18	PG	Communication Engineering & Signal Processing	2020	-	Electronics & Communication Engineering
19	PG	Master of Business Administration	2006	-	Master of Business Administration

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.	Civil Engineering	B. Tech (Civil Engineering)
2	Mechanical Engineering	B. Tech (Mechanical Engineering)
3	Electrical and Electronics Engineering	B. Tech (Electrical and Electronics Engineering)
4	Information Technology	B. Tech (Information Technology)

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. A8.1)	Name of allied Departments/Cluster (for table no. A8.1)
1	Civil Engineering	--
2	Mechanical Engineering	--
3	Electrical and Electronics Engineering	--
4	Information Technology	Computer Science and Engineering
5	Information Technology	Computer Science and Engineering (Artificial Intelligence & Machine Learning)
6	Information Technology	Computer Science and Engineering (Networks)

PART B- Program information

(To be filled separately for all the programs applied for)

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

Table No. B1: Program details.

S. No.	Program Name	Year of Start	Sanction Intake	Increase/ Decrease in intake, if any	Year of increase/ decrease	AICTE/ Competent Authority Approval Details	Accreditation Status*	No. of times program accredited
1.	Mechanical Engg.	1980	40 Initial Intake	120	2006	F. No. 730-50-213(E)ET/97, dated 19/07/2006	Granted provisional accreditation for three years for the period 2022-2025 (up to 30-06-2025)	6
				180	2017	F. No. South-Central/1-3325733233/2017/EOA, dated 10/4/2017		
				120	2020	F. No. South-Central/1-7002525596/2020/EOA, dated 15.06.2020		
				60	2022	F. No. South-Central/1-10981206183/2022/EOA, dated 03.07.2022		

* Write applicable one:

- Applying first time
- Granted accreditation for 2/3 years for the period (specify period)
- Granted accreditation for 5/6 years 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:

Name of the HoD: Dr. P. Srikanth

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

- **Regular** ✓
- **Contract**
- **Ad hoc**

B. 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)	60	60	60	120	120	180	180
N1= Total no. of students admitted in the 1st year minus the no. of students, who migrated to other programs/ institutions plus no. of students, who migrated to this program	49	38	28	59	83	141	172
N2= Number of students admitted in 2nd year in the same batch via lateral entry including leftover seats	08	22	22	29	29	32	26
N3= Separate division if any	-	-	-	-	-	-	-
N4= Total no. of students admitted in the 1st year via all supernumerary quotas	-	-	-	-	-	-	-
Total number of students admitted in the program (N1 + N2 + N3 + N4) - excluding those admitted through multiple entry and exit points.	57	60	50	88	112	173	198

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.

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 the 1st year (as per AICTE/Competent authority)	60	60	60
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	49	38	28
N4= Total no. of students admitted in the 1st year via all supernumerary quotas	00	00	00
Enrolment Ratio (ER)= (N1+N4)/N	**0.82**	**0.63**	**0.47**
Average ER= (ER_1+ ER_2+ ER_3)/3	**0.64**		

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 (2023-24)**	**LYGm1 (2022-23)**	**LYGm2 (2021-22)**
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).	102	169	202
B=No. of students who graduated from the program in the stipulated course duration	89	156	193
Success Rate (SR)= (B/A) * 100	**87.25**	**92.30**	**95.54**
Average SR of three batches ((SR_1+ SR_2+ SR_3)/3)	**91.70**		

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)	4.10	4.77	5.20
Y= Total no. of successful students	35	29	57
Z = Total no. of students appeared in the examination	38	29	58
API = X* (Y/Z)	**3.78**	**4.77**	**5.11**
Average API = (AP1 + AP2 + AP3)/3	**4.55**		

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 2nd year/10)	5.17	5.55	5.60
Y= Total no. of successful students	45	71	111
Z =Total no. of students appeared in the examination	30+22=52	52+22=74	83+29=112
API = X* (Y/Z)	**4.47**	**5.32**	**5.55**
Average API = (AP1 + AP2 + AP3)/3	**5.11**		

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)	6.03	6.37	7.13
Y= Total no. of successful students	65	102	169
Z= Total no. of students appeared in the examination	49+22=71	82+29=111	139+33=172
API = X* (Y/Z)	**5.52**	**5.85**	**7.01**
Average API = (AP1 + AP2 + AP3)/3	**6.13**		

B9: Placement, Higher Studies, and Entrepreneurship

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

Item	LYG (2023-24)	LYGm1 (2022-23)	LYGm2 (2021-22)
FS*=Total no. of final year students	102	169	202
X= No. of students placed	50	71	82
Y= No. of students admitted to higher studies	08	13	10
Z= No. of students taking up entrepreneurship	01	-	-
X + Y + Z =	59	84	92
Placement Index (P) = (((X + Y + Z)/FS) * 100)	57.85	49.70	45.54
Average placement index = (P_1 + P_2 + P_3)/3	**51.03**		

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)

Department and Allied Departments

Table No.C1: Faculty details in the Department for the past 3 years including CAY

UG Faculty: CAY 2024-25

S. No.	Name of the Faculty	PAN No.	APAAR faculty ID* (if any)	Highest degree	University	Area of Specialization	Date of Joining	Experience in years in current institute	Designation at Time Joining in this Institution	Present Designation	The date on which Designated as Professor/Associate Professor	Nature of Association (Regular/Contract)	If Contractual Mention Full time or part time	Currently Associated (Y/N)	Date of Leaving (In case of Currently Associated is "No")
1.	Dr. K. Sridhar	AGJPK0629G		Ph.D.	JNTU, Hyderabad	Thermal	13/12/1999	25	Assistant Professor	Professor	09/01/2009	Regular	-	Yes	-
2.	Dr. P. Srikanath	AQUPP4772E		Ph.D.	JNTU, Hyderabad	Production	17/06/2005	19	Assistant Professor	Professor & Head	01/07/2015	Regular	-	Yes	-
3.	Dr. U. Shrinivas Balraj	ALCPB3693D		Ph.D.	JNTU, Kakinada	Production	01/01/2002	23	Assistant Professor	Professor	30/04/2019	Regular	-	Yes	-
4.	Dr. G. Ganesh Kumar	AJDPG5142M		Ph.D.	N.I.T. Warangal	Thermal	06/06/2008	16	Assistant Professor	Associate Professor	28/03/2016	Regular	-	Yes	-
5.	Dr. P. Prabhakara Rao	AIIPP5075E		Ph.D.	JNTU, Hyderabad	Production	05/08/2008	16	Assistant Professor	Associate Professor	10/07/2019	Regular	-	Yes	-
6.	Dr. P. Sathya Srinivasa Murthy	APJPM0226N		Ph.D.	JNTU Kakinada	Design	23/09/2003	21	Assistant Professor	Assistant Professor	-	Regular	-	Yes	-
7.	Dr. J. Laxman	AHVPJ5643G		Ph.D.	KU Warangal	Production	13/06/2005	19	Assistant Professor	Assistant Professor	-	Regular	-	Yes	-
8.	Dr. S. Chandramouli	BKAPS3189R		Ph.D.	KU Warangal	Production	14/09/2005	19	Assistant Professor	Assistant Professor	-	Regular	-	Yes	-
9.	Dr. G. Srinivasa Rao	AKBPG1393B		Ph.D.	JNTU, Hyderabad	Thermal	05/06/2008	16	Assistant Professor	Assistant Professor	-	Regular	-	Yes	-
10.	Dr. A. Hari Kumar	ATWPA1334J		Ph.D.	Osmania University	Design	22/06/2009	15	Assistant Professor	Assistant Professor	-	Regular	-	Yes	-
11.	Dr. MD. Sameer	BOPPM8123L		Ph.D.	N.I.T, Manipur	Production	10/07/2019	05	Assistant Professor	Assistant Professor	-	Regular	-	Yes	-
12.	Dr. G. Sai Kumar	AWRPG9342E		Ph.D.	N.I.T. Warangal	Material Science & Metallurgy	15/07/2019	05	Assistant Professor	Assistant Professor	-	Regular	-	Yes	-
13.	Dr. G. Srinu	AWEPG7844G		Ph.D.	N.I.T. Warangal	Production	31/07/2019	05	Assistant Professor	Assistant Professor	-	Regular	-	No	25/10/2025
14.	Ch. Karunakar	AJXPC4385L		M.E.	Osmania University	Production	10/06/2009	15	Assistant Professor	Assistant Professor	-	Regular	-	Yes	-

S. No.	Name of the Faculty	PAN No.	APAAR faculty ID* (if any)	Highest degree	University	Area of Specialization	Date of Joining	Experience in years in current institute	Designation at Time Joining in this Institution	Present Designation	The date on which Designated as Professor/Associate Professor	Nature of Association (Regular/Contract)	If Contractual Mention Full time or part time	Currently Associated (Y/N)	Date of Leaving (In case of Currently Associated is "No")
15.	S. Ramesh	BQSPS1820D		M. Tech.	JNTU, Hyderabad	Thermal	01/07/2010	14	Assistant Professor	Assistant Professor	-	Regular	-	Yes	-
16.	S. Anil Kumar	CJDPS7093B		M. Tech.	JNTU, Hyderabad	Thermal	11/11/2008	16	Assistant Professor	Assistant Professor	-	Regular	-	Yes	-
17.	M. Anil Kumar	BHHPM1091A		M. Tech.	Kakatiya University, Warangal	Design	08/06/2009	15	Assistant Professor	Assistant Professor	-	Regular	-	Yes	-
18.	Dr. E. Ramesh	CZYPR5385Q		Ph.D.	IIT, Kanpur	Thermal	27/08/2019	05	Assistant Professor	Assistant Professor	-	Regular	-	Yes	-

PG Faculty: CAY 2024-25

S. No.	Name of the Faculty	PAN No.	APAAR faculty ID* (if any)	Highest degree	University	Area of Specialization	Date of Joining	Experience in years in current institute	Designation at Time Joining in this Institution	Present Designation	The date on which Designated as Professor/Associate Professor	Nature of Association (Regular/Contract)	If Contractual Mention Full time or part time	Currently Associated (Y/N)	Date of Leaving (In case of Currently Associated is "No")
1.	Dr. K. Raja Narender Reddy	ADFPK3528F		Ph.D.	Kakatiya University, Warangal	Design	29/09/1997	27	Assistant Professor	Professor	17/11/2012	Regular	-	Yes	-
2.	Dr. A. Devaraju	BBVPA0628M		Ph.D.	N.I.T. Warangal	Production	27/07/2019	05	Associate Professor	Associate Professor	27/07/2019	Regular	-	Yes	-
3.	K. Kishor Kumar	ASAPK3737C		M. Tech.	Kakatiya University, Warangal	Design	01/07/2010	14	Assistant Professor	Assistant Professor	-	Regular	-	Yes	-

First Year Faculty: CAY 2024-25

S. No.	Name of the Faculty	PAN No.	APAAR faculty ID*(if any)	Highest degree	University	Area of Specialization	Date of Joining	Experience in years in current institute	Designation at Time Joining in this Institution	Present Designation	The date on which Designated as Professor/Associate Professor	Nature of Association (Regular/Contract)	If Contractual Mention Full time or part time	Currently Associated (Y/N)	Date of Leaving (In case of Currently Associated is "No")
1.	Dr. P. Anitha	BXMPP0428D		Ph.D.	JNTU, Hyderabad	Design	21/06/2012	13	Assistant Professor	Assistant Professor	-	Regular	-	No	16/06/2025
2.	S. Sripathy	EEMPS2505L		M. Tech.	Kakatiya University, Warangal	Design	16/08/2012	12	Assistant Professor	Assistant Professor	-	Regular	-	No	16/06/2025
3.	Dr. V. Srikanth	ENQPS7239A		Ph.D.	Kakatiya University, Warangal	Design	03/08/2015	09	Assistant Professor	Assistant Professor	-	Regular	-	No	16/06/2025
4.	V. Prasanna	AIUPV6097J		M. Tech.	JNTU, Hyderabad	Production	07/01/2016	09	Assistant Professor	Assistant Professor	-	Regular	-	No	16/06/2025
5.	V. Rajesh	APKPV4280Q		M. Tech.	JNTU, Hyderabad	Production	30/07/2016	08	Assistant Professor	Assistant Professor	-	Regular	-	No	16/06/2025
6.	V. Rakesh	BBWPV5563K		M. Tech.	Kakatiya University, Warangal	Design	18/07/2017	07	Assistant Professor	Assistant Professor	-	Regular	-	Yes	-
7.	P. Anil Kumar	DEPPK1952H		M. Tech.	JNTU, Hyderabad	Design	18/07/2017	07	Assistant Professor	Assistant Professor	-	Regular	-	Yes	-
8.	V. Pradeep	ARFPV0002K		M. Tech.	Kakatiya University, Warangal	Design	12/06/2019	05	Assistant Professor	Assistant Professor	-	Regular	-	Yes	-

UG Faculty: CAYm1 2023-24

S. No.	Name of the Faculty	PAN No.	APAAR faculty ID*(if any)	Highest degree	University	Area of Specialization	Date of Joining	Experience in years in current institute	Designation at Time Joining in this Institution	Present Designation	The date on which Designated as Professor/Associate Professor	Nature of Association (Regular/Contract)	If Contractual Mention Full time or part time	Currently Associated (Y/N)	Date of Leaving (In case of Currently Associated is "No")
1.	Dr. K. Sridhar	AGJPK0629G		Ph.D.	JNTU, Hyderabad	Thermal	13/12/1999	25	Assistant Professor	Professor	09/01/2009	Regular	-	Yes	-
2.	Dr. P. Srikanath	AQUPP4772E		Ph.D.	JNTU, Hyderabad	Production	17/06/2005	19	Assistant Professor	Professor & Head	01/07/2015	Regular	-	Yes	-
3.	Dr. U. Shrinivas Balraj	ALCPB3693D		Ph.D.	JNTU, Kakinada	Production	01/01/2002	23	Assistant Professor	Professor	30/04/2019	Regular	-	Yes	-
4.	Dr. G. Ganesh Kumar	AJDPG5142M		Ph.D.	N.I.T. Warangal	Thermal	06/06/2008	16	Assistant Professor	Associate Professor	28/03/2016	Regular	-	Yes	-
5.	Dr. P. Prabhakara Rao	AIIPP5075E		Ph.D.	JNTU, Hyderabad	Production	05/08/2008	16	Assistant Professor	Associate Professor	10/07/2019	Regular	-	Yes	-
6.	Dr. P. Sathya Srinivasa Murthy	APJPM0226N		Ph.D.	JNTU Kakinada	Design	23/09/2003	21	Assistant Professor	Assistant Professor	-	Regular	-	Yes	-
7.	Dr. J. Laxman	AHVPJ5643G		Ph.D.	KU Warangal	Production	13/06/2005	19	Assistant Professor	Assistant Professor	-	Regular	-	Yes	-
8.	Dr. S. Chandramouli	BKAPS3189R		Ph.D.	KU Warangal	Production	14/09/2005	19	Assistant Professor	Assistant Professor	-	Regular	-	Yes	-
9.	Dr. G. Srinivasa Rao	AKBPG1393B		Ph.D.	JNTU, Hyderabad	Thermal	05/06/2008	16	Assistant Professor	Assistant Professor	-	Regular	-	Yes	-
10.	Ch. Karunakar	AJXPC4385L		M.E.	Osmania University	Production	10/06/2009	15	Assistant Professor	Assistant Professor	-	Regular	-	Yes	-
11.	S. Ramesh	BQSPS1820D		M. Tech.	JNTU, Hyderabad	Thermal	01/07/2010	14	Assistant Professor	Assistant Professor	-	Regular	-	Yes	-
12.	A. Hari Kumar	ATWPA1334J		M. Tech.	Osmania University	Design	22/06/2009	15	Assistant Professor	Assistant Professor	-	Regular	-	Yes	-
13.	S. Anil Kumar	CJDPS7093B		M. Tech.	JNTU, Hyderabad	Thermal	11/11/2008	16	Assistant Professor	Assistant Professor	-	Regular	-	Yes	-
14.	M. Anil Kumar	BHHPM1091A		M. Tech.	Kakatiya University, Warangal	Design	08/06/2009	15	Assistant Professor	Assistant Professor	-	Regular	-	Yes	-
15.	Dr. MD. Sameer	BOPPM8123L		Ph.D.	N.I.T, Manipur	Production	10/07/2019	05	Assistant Professor	Assistant Professor	-	Regular	-	Yes	-
16.	Dr. G. Sai Kumar	AWRPG9342E		Ph.D.	N.I.T. Warangal	Material Science & Metallurgy	15/07/2019	05	Assistant Professor	Assistant Professor	-	Regular	-	Yes	-
17.	Dr. G. Srinu	AWEPG7844G		Ph.D.	N.I.T. Warangal	Production	31/07/2019	05	Assistant Professor	Assistant Professor	-	Regular	-	No	25/10/2025
18.	Dr. E. Ramesh	CZYPR5385Q		Ph.D.	IIT, Kanpur	Thermal	27/08/2019	05	Assistant Professor	Assistant Professor	-	Regular	-	Yes	-

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19.	Dr. T. Manoj Kumar Dundi	BEVPD8223E		Ph.D.	N.I.T. Warangal	Thermal	31/08/2020	04	Assistant Professor	Assistant Professor		Regular		No	30/04/2024
20.	Dr. B. Srinivasa Reddy	AXCPB8955G		Ph.D.	N.I.T. Warangal	Thermal	31/08/2020	04	Assistant Professor	Assistant Professor		Regular		No	31/05/2024
21.	P. Anitha	BXMPP0428D		M. Tech.	Kakatiya University, Warangal	Design	21/06/2012	13	Assistant Professor	Assistant Professor	-	Regular	-	No	16/06/2025

PG Faculty: CAYm1 2023-24

S. No.	Name of the Faculty	PAN No.	APAAR faculty ID*(if any)	Highest degree	University	Area of Specialization	Date of Joining	Experience in years in current institute	Designation at Time Joining in this Institution	Present Designation	The date on which Designated as Professor/ Associate Professor	Nature of Association (Regular/Contract)	If Contractual Mention Full time or part time	Currently Associated (Y/N)	Date of Leaving (In case of Currently Associated is "No")
1.	Dr. K. Raja Narender Reddy	ADFPK3528F		Ph.D.	Kakatiya University, Warangal	Design	29/09/1997	27	Assistant Professor	Professor	17/11/2012	Regular	-	Yes	-
2.	Dr. A. Devaraju	BBVPA0628M		Ph.D.	N.I.T. Warangal	Production	27/07/2019	05	Associate Professor	Associate Professor	27/07/2019	Regular	-	Yes	-
3.	K. Kishor Kumar	ASAPK3737C		M. Tech.	Kakatiya University, Warangal	Design	01/07/2010	14	Assistant Professor	Assistant Professor	-	Regular	-	Yes	-

First Year Faculty: CAYm1 2023-24

S. No.	Name of the Faculty	PAN No.	APAAR faculty ID*(if any)	Highest degree	University	Area of Specialization	Date of Joining	Experience in years in current institute	Designation at Time Joining in this Institution	Present Designation	The date on which Designated as Professor/Associate Professor	Nature of Association (Regular/Contract)	If Contractual Mention Full time or part time	Currently Associated (Y/N)	Date of Leaving (In case of Currently Associated is "No")
1.	B. Ravi Kumar	ANQPB1078E		M. Tech.	Kakatiya University, Warangal	Design	05/09/2011	13	Assistant Professor	Assistant Professor	-	Regular	-	No	31/05/2024
2.	S. Sripathy	EEMPS2505L		M. Tech.	Kakatiya University, Warangal	Design	16/08/2012	12	Assistant Professor	Assistant Professor	-	Regular	-	No	16/06/2025
3.	V. Srikanth	ENQPS7239A		M. Tech.	Kakatiya University, Warangal	Design	03/08/2015	09	Assistant Professor	Assistant Professor	-	Regular	-	No	16/06/2025
4.	V. Prasanna	AIUPV6097J		M. Tech.	JNTU, Hyderabad	Production	07/01/2016	09	Assistant Professor	Assistant Professor	-	Regular	-	No	16/06/2025
5.	D. Sammaiah	BKGPD3055B		M. Tech.	JNTU, Hyderabad	Production	12/01/2016	08	Assistant Professor	Assistant Professor	-	Regular	-	No	31/05/2024
6.	V. Rajesh	APKPV4280Q		M. Tech.	JNTU, Hyderabad	Production	30/07/2016	08	Assistant Professor	Assistant Professor	-	Regular	-	No	16/06/2025
7.	P. Divya	BULPD9921R		M. Tech.	Kakatiya University, Warangal	Design	14/07/2017	06	Assistant Professor	Assistant Professor	-	Regular	-	No	31/05/2024
8.	V. Rakesh	BBWPV5563K		M. Tech.	Kakatiya University, Warangal	Design	18/07/2017	07	Assistant Professor	Assistant Professor	-	Regular	-	Yes	-
9.	P. Anil Kumar	DEPPK1952H		M. Tech.	JNTU, Hyderabad	Design	18/07/2017	07	Assistant Professor	Assistant Professor	-	Regular	-	Yes	-
10	P. Sreedhar	AVYPP9960B		M. Tech.	N.I.T. Warangal	Materials	19/07/2017	06	Assistant Professor	Assistant Professor	-	Regular	-	No	31/05/2024
11	V. Pradeep	ARFPV0002K		M. Tech.	Kakatiya University, Warangal	Design	12/06/2019	05	Assistant Professor	Assistant Professor	-	Regular	-	Yes	-

UG Faculty: CAYm2 2022-23

S. No.	Name of the Faculty	PAN No.	APAAR faculty ID*(if any)	Highest degree	University	Area of Specialization	Date of Joining	Experience in years in current institute	Designation at Time Joining in this Institution	Present Designation	The date on which Designated as Professor/Associate Professor	Nature of Association (Regular/Contract)	If Contractual Mention Full time or part time	Currently Associated (Y/N)	Date of Leaving (In case of Currently Associated is "No")
1.	Dr. K. Eswaraiah	ACBPK9900C		Ph. D	NIT, Warangal	Production	19/11/1990	33	Assistant Professor	Professor	02/06/2008	Regular	-	No	30/06/2023
2.	Dr. K. Sridhar	AGJPK0629G		Ph.D.	JNTU, Hyderabad	Thermal	13/12/1999	25	Assistant Professor	Professor	09/01/2009	Regular	-	Yes	-
3.	Dr. P. Srikanath	AQUPP4772E		Ph.D.	JNTU, Hyderabad	Production	17/06/2005	19	Assistant Professor	Professor & Head	01/07/2015	Regular	-	Yes	-
4.	Dr. U. Shrinivas Balraj	ALCPB3693D		Ph.D.	JNTU, Kakinada	Production	01/01/2002	23	Assistant Professor	Professor	30/04/2019	Regular	-	Yes	-
5.	Dr. R. V. Chalam	ADWPR1675H		Ph. D.	IIT, Kanpur	Design	06/07/2022	01	Professor	Professor	06/07/2022	Regular	-	No	29/11/2023
6.	Dr. G. Ganesh Kumar	AJDPG5142M		Ph.D.	N.I.T. Warangal	Thermal	06/06/2008	16	Assistant Professor	Associate Professor	28/03/2016	Regular	-	Yes	-
7.	Dr. P. Prabhakara Rao	AIIPP5075E		Ph.D.	JNTU, Hyderabad	Production	05/08/2008	16	Assistant Professor	Associate Professor	10/07/2019	Regular	-	Yes	-
8.	Dr. P. Sathya Srinivasa Murthy	APJPM0226N		Ph.D.	JNTU Kakinada	Design	23/09/2003	21	Assistant Professor	Assistant Professor	-	Regular	-	Yes	-
9.	Dr. J. Laxman	AHVPJ5643G		Ph.D.	KU Warangal	Production	13/06/2005	19	Assistant Professor	Assistant Professor	-	Regular	-	Yes	-
10.	Dr. S. Chandramouli	BKAPS3189R		Ph.D.	KU Warangal	Production	14/09/2005	19	Assistant Professor	Assistant Professor	-	Regular	-	Yes	-
11.	Dr. G. Srinivasa Rao	AKBPG1393B		Ph.D.	JNTU, Hyderabad	Thermal	05/06/2008	16	Assistant Professor	Assistant Professor	-	Regular	-	Yes	-
12.	Ch. Karunakar	AJXPC4385L		M.E.	Osmania University	Production	10/06/2009	15	Assistant Professor	Assistant Professor	-	Regular	-	Yes	-
13.	S. Ramesh	BQSPS1820D		M. Tech.	JNTU, Hyderabad	Thermal	01/07/2010	14	Assistant Professor	Assistant Professor	-	Regular	-	Yes	-
14.	A. Hari Kumar	ATWPA1334J		M. Tech.	Osmania University	Design	22/06/2009	15	Assistant Professor	Assistant Professor	-	Regular	-	Yes	-
15.	S. Anil Kumar	CJDPS7093B		M. Tech.	JNTU, Hyderabad	Thermal	11/11/2008	16	Assistant Professor	Assistant Professor	-	Regular	-	Yes	-
16.	M. Anil Kumar	BHHPM1091A		M. Tech.	Kakatiya University, Warangal	Design	08/06/2009	15	Assistant Professor	Assistant Professor	-	Regular	-	Yes	-

S. No.	Name of the Faculty	PAN No.	APAAR faculty ID*(if any)	Highest degree	University	Area of Specialization	Date of Joining	Experience in years in current institute	Designation at Time Joining in this Institution	Present Designation	The date on which Designated as Professor/Associate Professor	Nature of Association (Regular/Contract)	If Contractual Mention Full time or part time	Currently Associated (Y/N)	Date of Leaving (In case of Currently Associated is "No")
17.	Dr. MD. Sameer	BOPPM8123L		Ph.D.	N.I.T, Manipur	Production	10/07/2019	05	Assistant Professor	Assistant Professor	-	Regular	-	Yes	-
18.	Dr. G. Sai Kumar	AWRPG9342E		Ph.D.	N.I.T. Warangal	Material Science & Metallurgy	15/07/2019	05	Assistant Professor	Assistant Professor	-	Regular	-	Yes	-
19.	Dr. G. Srinu	AWEPG7844G		Ph.D.	N.I.T. Warangal	Production	31/07/2019	05	Assistant Professor	Assistant Professor	-	Regular	-	No	25/10/2025
20.	Dr. E. Ramesh	CZYPR5385Q		Ph.D.	IIT, Kanpur	Thermal	27/08/2019	05	Assistant Professor	Assistant Professor	-	Regular	-	Yes	-
21.	Dr. Shakuntala Ojha	AAXPO0272H		Ph.D.	NIT, Roorkela	Design	31/08/2020	03	Assistant Professor	Assistant Professor	-	Regular	-	No	28/06/2023
22.	Dr. T. Manoj Kumar Dundi	BEVPD8223E		Ph.D.	N.I.T. Warangal	Thermal	31/08/2020	04	Assistant Professor	Assistant Professor		Regular		No	30/04/2024
23.	Dr. B. Srinivasa Reddy	AXCPB8955G		Ph.D.	N.I.T. Warangal	Thermal	31/08/2020	04	Assistant Professor	Assistant Professor		Regular		No	31/05/2024
24.	Dr. M. Om Prakash	DKFPP4315F		Ph.D.	N.I.T. Warangal	Design	31/08/2020	03	Assistant Professor	Assistant Professor	-	Regular	-	No	30/04/2023
25.	P. Anitha	BXMPP0428D		M. Tech.	Kakatiya University, Warangal	Design	21/06/2012	13	Assistant Professor	Assistant Professor	-	Regular	-	No	16/06/2025
26.	S. Sripathy	EEMPS2505L		M. Tech.	Kakatiya University, Warangal	Design	16/08/2012	12	Assistant Professor	Assistant Professor	-	Regular	-	No	16/06/2025

PG Faculty: CAYm2 2022-23

S. No.	Name of the Faculty	PAN No.	APAAR faculty ID*(if any)	Highest degree	University	Area of Specialization	Experience in years in current institute	Date of Joining	Designation at Time Joining in this Institution	Present Designation	The date on which Designated as Professor/Associate Professor	Nature of Association (Regular/Contract)	If Contractual Mention Full time or part time	Currently Associated (Y/N)	Date of Leaving (In case of Currently Associated is "No")
1.	Dr. K. Raja Narender Reddy	ADFPK3528F		Ph.D.	Kakatiya University, Warangal	Design	27	29/09/1997	Assistant Professor	Professor	17/11/2012	Regular	-	Yes	-
2.	Dr. A. Devaraju	BBVPA0628M		Ph.D.	N.I.T. Warangal	Production	05	27/07/2019	Associate Professor	Associate Professor	27/07/2019	Regular	-	Yes	-
3.	K. Kishor Kumar	ASAPK3737C		M. Tech.	Kakatiya University, Warangal	Design	14	01/07/2010	Assistant Professor	Assistant Professor	-	Regular	-	Yes	-

First Year Faculty: CAYm2 2022-23

S. No.	Name of the Faculty	PAN No.	APAAR faculty ID*(if any)	Highest degree	University	Area of Specialization	Date of Joining	Experience in years in current institute	Designation at Time Joining in this Institution	Present Designation	The date on which Designated as Professor/Associate Professor	Nature of Association (Regular/Contract)	If Contractual Mention Full time or part time	Currently Associated (Y/N)	Date of Leaving (In case of Currently Associated is "No")
1.	B. Ravi Kumar	ANQPB1078E		M. Tech.	Kakatiya University, Warangal	Design	05/09/2011	13	Assistant Professor	Assistant Professor	-	Regular	-	No	31/05/2024
2.	V. Srikanth	ENQPS7239A		M. Tech.	Kakatiya University, Warangal	Design	03/08/2015	09	Assistant Professor	Assistant Professor	-	Regular	-	No	16/06/2025
3.	V. Prasanna	AIUPV6097J		M. Tech.	JNTU, Hyderabad	Production	07/01/2016	09	Assistant Professor	Assistant Professor	-	Regular	-	No	16/06/2025
4.	D. Sammaiah	BKGPD3055B		M. Tech.	JNTU, Hyderabad	Production	12/01/2016	08	Assistant Professor	Assistant Professor	-	Regular	-	No	31/05/2024
5.	V. Rajesh	APKPV4280Q		M. Tech.	JNTU, Hyderabad	Production	30/07/2016	08	Assistant Professor	Assistant Professor	-	Regular	-	No	16/06/2025

S. No.	Name of the Faculty	PAN No.	APAAR faculty ID*(if any)	Highest degree	University	Area of Specialization	Date of Joining	Experience in years in current institute	Designation at Time Joining in this Institution	Present Designation	The date on which Designated as Professor/Associate Professor	Nature of Association (Regular/Contract)	If Contractual Mention Full time or part time	Currently Associated (Y/N)	Date of Leaving (In case of Currently Associated is "No")
6.	P. Divya	BULPD9921R		M. Tech.	Kakatiya University, Warangal	Design	14/07/2017	06	Assistant Professor	Assistant Professor	-	Regular	-	No	31/05/2024
7.	V. Rakesh	BBWPV5563K		M. Tech.	Kakatiya University, Warangal	Design	18/07/2017	07	Assistant Professor	Assistant Professor	-	Regular	-	Yes	-
8.	P. Anil Kumar	DEPPK1952H		M. Tech.	JNTU, Hyderabad	Design	18/07/2017	07	Assistant Professor	Assistant Professor	-	Regular	-	Yes	-
9.	P. Sreedhar	AVYPP9960B		M. Tech.	N.I.T. Warangal	Materials	19/07/2017	06	Assistant Professor	Assistant Professor	-	Regular	-	No	1/05/2024
10	V. Pradeep	ARFPV0002K		M. Tech.	Kakatiya University, Warangal	Design	12/06/2019	05	Assistant Professor	Assistant Professor	-	Regular	-	Yes	-

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

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

Year	CAY (2024-25)	CAYm1 (2023-24)	CAYm2 (2022-23)
UG. B	66	66	132
UG. C	66	132	132
UG. D	132	132	198
UG	**264**	**330**	**462**
PG. A	12	12	12
PG. B	12	12	12
PG	**24**	**24**	**24**
DS=Total no. of students in all UG and PG programs in the Department	**288**	**354**	**486**
AS=Total no. of students of all UG and PG programs in allied departments	-	-	-
S=Total no. of students in the Department (DS) and allied departments (AS)	**S1=288**	**S2= 354**	**S3= 486**
DF=Total no. of faculty members in the Department	**29**	**35**	**39**
AF= Total no. of faculty members in the allied Departments	-	-	-
F=Total no. of faculty members in the Department (DF) and allied Departments (AF)	**F1= 29**	**F2= 35**	**F3=39**
FF=The faculty members in F who have a 100% teaching load in the first-year courses	**FF1=08**	**FF2=11**	**FF3=10**
No. of Faculty in the Department **(F)**			
Student Faculty Ratio (SFR)=S/(F-FF)	SFR1= S1/(F1-FF11)= **13.71**	SFR2= S2/(F2-FF2)= **14.75**	SFR3= S3/(F3-FF3)= **16.75**
Average SFR for 3 years	SFR=(SFR1+SFR2+SFR3)/3 = **(13.71+14.75+16.75)/3= 15.07**		

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	FQI= 2.5 * [(10X +4Y)/RF]
CAY (2024-25)	17	12	14	38.93
CAYm1 (2023-24)	17	18	18	33.61
CAYm2 (2022-23)	21	18	24	29.38
			Average Assessment	**33.97**

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 Faculty(RF1)	Available Faculty(AF1)	Required Faculty(RF2)	Available Faculty(AF2)	Required Faculty(RF3)	Available Faculty(AF3)
CAY (2024-25)	02	04	04	03	10	14
CAYm1 (2023-24)	02	04	04	03	12	17
CAYm2 (2022-23)	03	06	06	03	17	20
Average Numbers	**RF1=2.33**	**AF1=4.66**	**RF2=4.66**	**AF2=03**	**RF3=13**	**AF3=17**

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	Dr. Giridhar Kumar Dhinne	Head Engineering, Gas Turbines & Turbo Compressors) Siemens Energy Industrial Turbo machinery India Pvt. Ltd. Pune	U18ME505R22 IC Engines and Gas Turbines	25
2	Sri M. Rajkiran	Managing Director, Maathrusri Engineers, Hyderabad	U18ME406 Manufacturing Processes	29
			Total no. of hours:	**54**

CAYm2 (2022-23)				
1	Sri Anil Samale	Senior Manager – Engineering, Siemens Energy Industrial Turbo machinery India Pvt. Ltd., Pune	U18ME603A: Finite Element Methods	27
			Total no. of hours:	**27**
CAYm3 (2021-22)				
1	--Nil--			
			Total no. of hours:	

C6: Academic Research

Table No. C6.1: Faculty publication details.

S. No.	Item	CAYm1 (2023-24)	CAYm2 (2022-23)	CAYm3 (2021-22)
1	No. of peer reviewed journal papers published	08	14	24
2	No. of peer reviewed conference papers published	05	34	59
3	No. of books/book chapters published	04	03	08

C7: Sponsored Research Project

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

S. No.	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 (Lakhs)
CAYm1 (2023-24)							
1	Dr. B. Anil Kumar	Dr. MD. Sameer	MED	Mechanical properties and microstructural evaluation of underwater friction stir additive manufactured Marine grade AA5086 Aluminum and alloy	IIT Guwahati Technology Innovation & Development Foundation	2 Years	14.0
2	Dr. B. Anil Kumar	Dr. MD. Sameer	MED	Mechanical properties and microstructural evaluation of underwater friction stir additive manufactured AA6082 Aluminum alloy	IIT Guwahati Technology Innovation & Development Foundation	2 Years	8.0
							Amount received (Rs.): 22,00,000/-
CAYm2 (2022-23)							
1	Dr. G. Srinu,	-	MED	Mechanical Properties evaluation of sustainable Porous bricks by using rice husk	SERB-TARE	3 Years	18.30
							Amount received (Rs.): 18,30,000/-
CAYm3 (2021-22)							
-Nil-							
							Total Amount (Lacs) Received for the Past 3 Years: 40.30 Lakhs

C8: Consultancy Work

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

S. No.	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)
Nil							

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.

S. No.	Faculty name	Project title / Support for Activity	Duration	Amount (Lacs)	Amount Utilized (Lacs)	Outcomes of the project
CAYm1 (2023-24)						
1	Dr. G. Ganesh Kumar & Dr. G. Sai Kumar	Analysis of Heart Pump Development of prototype model using 3D Printer	One year	17.90820	17.90820	Develop the mockup loop test setup for performing hydrodynamic and hemolysis test
Amount received (Rs.) 17,90,820.00						
CAYm2 (2022-23)						
1	Dr. G. Ganesh Kumar & Dr. G. Sai Kumar	Analysis of Heart Pump Development of prototype model using 3D Printer	One year	2.67319	2.67319	Generated the experimental model of an Artificial Heart Pump
Amount received (Rs.) 2,67,319.00						
CAYm3 (2021-22)						
1	Dr. G. Ganesh Kumar & Dr. G. Sai Kumar	Analysis of Heart Pump Development of prototype model using 3D Printer	One year	0.45100	0.45100	Simulated the fluid flow through pump using ANSYS Fluent
Amount received (Rs.): 45,100.00						
Total amount (Lacs) received for the past 3 years 21.03239						

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. **(CAY 2024-25)**

S. No.	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 Manpower support		
					Name of the technical staff	Designation	Qualification
1.	IDEA LAB MAKERSPACE (Workshop Practice)	02	1. AC Welding Machine 2. Portable grinding Machine 3. Power hacksaw machine 4. Shearing Machine 5. Vernier Height Gauge 6. Anvils 7. Surface Plate 8. Disc cutter	All Stream-I students in I Semester & Stream-II students in II Semester. I-Sem-33 Hours (11-Sessions) II-Sem-30 Hours (10-Sessions)	M.Madhukar	Programmer	MCA
					D. Kishan	Mechanic	I.T.I.
					K. Venkataramana	Mechanic	I.T.I.
					K. Ravi Kumar	Mechanic	DME
					M. Sumanth	Programmer	B.Tech
					B. Ravi Kumar	Lab Assistant	M.Tech
					D. Sammaiah	Lab Assistant	M.Tech
2.	Material Science & Metallurgy	03	1. Microscopes 2. Belt Grinder 3. Disc Polisher 4. Sample Mounting press 5. Muffle furnace 6. Specimen leveler 7. Specimen Drier 8. Rockwell hardness tester 9. Electric tube furnace with controlled atmosphere facility 10. Bench Grinder	B. Tech III-Semester Students (6 Hours, 2-Sessions)	D. Sammaiah	Lab Assistant	M.Tech

S. No.	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 Manpower support		
					Name of the technical staff	Designation	Qualification
3.	Manufacturing Processes	03	**Foundry Trade** 1. Shatter Index 2. Sand Rammer 3. Universal Sand Testing Machine 4. Permeability Tester 5. Drying Oven 6. Sieve Shaker 7. Clay Washer 8. Sand Muller 9. Mould hardness tester 10. Electronic Balance 11. Induction furnace	B. Tech IV-Semester Students (6 Hours, 2-Sessions)	K. Venkataramana	Mechanic	I.T.I.
			Welding Trade 1. AC Welding Machine 2. DC Welding Machine 3. Resistance welding machine 4. Gas Welding **5.** Bend Testing Machine		D. Kishan	Mechanic	I.T.I.
			Forming Trade 1. Hydraulic Press				
4.	Metrology	03	1. Sine Bar 2. Universal bevel protractor 3. Protractor 4. Digital Vernier 5. Vernier Height gauge 6. Micrometer 7. Thread pitch micro meter - Three wire set 8. Profile Projector 9. Mitutoyo Surface roughness tester 10. Digital Weighing balance (0.1mg Accuracy) 11. Bore gauge	B. Tech V-Semester Students (6 Hours, 2-Sessions)	D. Sammaiah	Lab Assistant	M.Tech

S. No.	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 Manpower support		
					Name of the technical staff	Designation	Qualification
5.	Fuels & IC Engines	03	1. Cleveland's apparatus 2. Abel's apparatus 3. Redwood viscometer 4. Rams bottom carbon residue apparatus 5. Single cylinder four stroke diesel engine 6. Twin cylinder four stroke diesel engine 7. Multi cylinder four stroke petrol engine test rig 8. Variable compression ratio diesel engine test rig 9. Two stage reciprocating air compressor 10. Computer aided single cylinder four stroke diesel engine test rig 11. Section models of internal combustion engine 12. Section models of boiler 13. Exhaust gas analyzer 14. Smoke meter 15. Computerized Single cylinder four stroke Petrol Honda engine with eddy current dynamometer	B. Tech V-Semester Students (6 Hours, 2-Sessions)	K. Ravi Kumar	Mechanic	DME
6.	Heat Transfer	03	1. Thermal conductivity of insulating powder 2. Heat transfer in natural convection 3. Heat transfer from the Pin-Fin Apparatus 4. Heat transfer in forced convection 5. Heat transfer through composite walls 6. Critical heat flux apparatus 7. Emissivity measurement Apparatus 8. Thermal conductivity of metal rod 9. Parallel and counter flow heat exchanger 10. Thermal conductivity apparatus	B. Tech VI-Semester Students (6 Hours, 2-Sessions)	K. Ravi Kumar	Mechanic	DME

S. No.	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 Manpower support		
					Name of the technical staff	Designation	Qualification
			11. Heat transfer through Vacuum 12. Heat transfer through Heat pipe.				
7.	Machine Shop (Production Engineering Lab-I&II)	03	1. All geared Lathe Machines 2. Shaper machine 3. Milling Machine 4. Slotter Machine 5. Pedastal Drilling Machine 6. Bench Grinder 7. Radial Drilling Machine 8. Tool & Cutter Grinder 9. Three Component Lathe Tool Dynamometer 10. Drill Tool Dynamometer 11. Electric Discharge Machining 12. Micro Electric Discharge Machine	B. Tech V-Semester (6 Hours, 2-Sessions) B. Tech VII-Semester (6 Hours, 2-Sessions)	D. Kishan	Mechanic	I.T.I.
8.	MCAD Lab (Modelling lab, Java lab, Computer Aided Analysis, Advanced Data Structures, Programming Skill Development lab &TPPS)	01	1. 74-Dell Desktop Intel Core i5-8500/8GB RAM /1 TB HDD 2. 2-Dell T30 Server Intel Xion Processor/16GB RAM/2TB HDD 3. Delta EH-20KVA 3P/1P UPS with Quanta 12V/42AH SMF Batteries ANSYS 19.0 Software 4. MATLAB 2019	B. Tech III-Semester (6 Hours, 2-Sessions) IV-Semester (3 Hours, 1-Sessions) V-Semester (6 Hours, 2-Sessions) VI-Semester (9 Hours, 3-Sessions) VIII-Semester (6 Hours, 2-Sessions)	M.Madhukar	Programmer	M.C.A.

S. No.	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 Manpower support		
					Name of the technical staff	Designation	Qualification
9.	Dynamics of Machinery	03	1. Gyroscope 2. Whirling of shafts apparatus 3. Governor apparatus 4. Cam analysis machine 5. Static & dynamic balancing apparatus 6. Vibration lab 7. Dobot Robot with Conveyer Kit	B. Tech V-Semester (6 Hours, 2-Sessions)	D. Kishan	Mechanic	I.T.I.
10.	Computer Integrated Manufacturing Systems	03	1. PLC for trainer, Make-OMRON, Japan model No. CPIE-N40 2. PLC controller capable of 6 axes 3. Programmable Logic controller with Ladder Diagram CX-One software 4. 5KVA online UPS 5. STARTURN CNC Turning Centre 6. CNC Milling Machine 7. P-IV Computers	B. Tech VII-Semester Students (6 Hours, 2-Sessions)	D. Sammaiah	Lab Assistant	M.Tech
11.	Energy Engineering	03	1. Air-Conditioning tutor (Lab unit) 2. Window-Air conditioning testing 3. Electrolux vapor absorption Refrigeration test rig 4. Vapor compression refrigeration Test rig 5. Vortex tube refrigeration system 6. Box type solar air heater 7. Solar flat plate collector 8. Pyrano meter 9. Solar photovoltaic panels(4 No.s)	B. Tech VII-Semester Students (6 Hours, 2-Sessions)	B. Ravi Kumar	Assistant Professor	M.Tech

CAYm1 2023-24

S. No.	Name of the Laboratory	No. of students per setup (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.	IDEA LAB MAKERSPACE (Workshop Practice)	02	1. AC Welding Machine 2. Portable grinding Machine 3. Power hacksaw machine 4. Bench Saw 5. Power Saw 6. Shearing Machine 7. Vernier Height Gauge 8. Anvils 9. Surface Plate 10. Disc cutter	All Stream-I students in I Semester & Stream-II students in II Semester. I-Sem-27 Hours (9-Sessions) II-Sem-27 Hours (9-Sessions)	M.Madhukar	Programmer	MCA
					D. Kishan	Mechanic	I.T.I.
					K. Venkataramana	Mechanic	I.T.I.
					K. Ravi Kumar	Mechanic	DME
					M. Sumanth	Programmer	B. Tech
					B. Ravi Kumar	Asst. Professor	M. Tech
					D. Sammaiah	Asst. Professor	M. Tech
2.	Material Science & Metallurgy	03	1. Microscopes 2. Belt Grinder 3. Disc Polisher 4. Sample Mounting press 5. Muffle furnace 6. Specimen leveler 7. Specimen Drier 8. Rockwell hardness tester 9. Electric tube furnace with controlled atmosphere facility 10. Bench Grinder 11. Trinocular inverted metallurgical microscope MODEL: DM1 Classic with image analysis system 12. Disc polishing machine	B. Tech III-Semester Students (6 Hours, 2-Sessions)	K. Venkataramana	Mechanic	I.T.I.
3.	Manufacturing Processes	03	**Foundry Trade** 1. Shatter Index 2. Sand Rammer 3. Universal Sand Testing Machine 4. Permeability Tester 5. Drying Oven	B. Tech IV-Semester Students (6 Hours, 2-Sessions)	K. Venkataramana	Mechanic	I.T.I.

S. No.	Name of the Laboratory	No. of students per setup (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
			6. Sieve Shaker 7. Clay Washer 8. Sand Muller 9. Electronic Balance 10. Induction furnace				
			Welding Trade 1. AC Welding Machine 2. DC Welding Machine 3. Resistance welding machine 4. Gas Welding **5.** Bend Testing Machine		D. Kishan	Mechanic	I.T.I.
			Forming Trade 1. Hydralic Press				
4.	Metrology	03	1. Sine Bar 2. Universal bevel protractor 3. Protractor 4. Digital Vernier 5. Vernier Height gauge 6. Micrometer 7. Thread pitch micro meter - Three wire set 8. Profile Projector 9. Mitutoyo Surface roughness tester 10. Digital Weighing balance (0.1mg Accuracy) 11. Bore gauge 12. Profile projector	B. Tech V-Semester Students (6 Hours, 2-Sessions)	D. Kishan	Mechanic	I.T.I.
5.	Fuels & IC Engines	03	1. Cleveland's apparatus 2. Abel's apparatus 3. Redwood viscometer	B. Tech V-Semester Students (6 Hours, 2-Sessions)	K. Ravi Kumar	Mechanic	DME

S. No.	Name of the Laboratory	No. of students per setup (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
			4. Rams bottom carbon residue apparatus 5. Single cylinder four stroke diesel engine 6. Twin cylinder four stroke diesel engine 7. Multi cylinder four stroke petrol engine test rig 8. Variable compression ratio diesel engine test rig 9. Two stage reciprocating air compressor 10. Computer aided single cylinder four stroke diesel engine test rig 11. Section models of internal combustion engine 12. Section models of boiler 13. Exhaust gas analyzer 14. Smoke meter 15. Computerized Single cylinder four stroke Petrol Honda engine with eddy current dynamometer				
6.	Heat Transfer	03	1. Thermal conductivity of insulating powder 2. Heat transfer in natural convection 3. Heat transfer from the Pin-Fin Apparatus 4. Heat transfer in forced convection 5. Heat transfer through composite walls 6. Critical heat flux apparatus	B. Tech VI-Semester Students (6 Hours, 2-Sessions)	K. Ravi Kumar	Mechanic	DME

S. No.	Name of the Laboratory	No. of students per setup (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
			7. Emissivity measurement Apparatus 8. Thermal conductivity of metal rod 9. Parallel and counter flow heat exchanger 10. Thermal conductivity apparatus 11. Heat transfer through Vacuum 12. Heat transfer through Heat pipe.				
7.	Machine Shop (Production Engineering Lab-I&II)	03	1. All geared Lathe Machines 2. Shaper machine 3. Milling Machine 4. Slotter Machine 5. Pedastal Drilling Machine 6. Bench Grinder 7. Radial Drilling Machine 8. Tool & Cutter Grinder 9. Three Component Lathe Tool Dynamometer 10. Drill Tool Dynamometer 11. Electric Discharge Machining 12. Micro Electric Discharge Machine	B. Tech V-Semester (6 Hours, 2-Sessions) B. Tech VII-Semester (12 Hours, 4-Sessions)	D. Kishan	Mechanic	I.T.I.
8.	MCAD Lab (Modelling lab, Java lab, Computer Aided Analysis, Advanced Data Structures, Programming Skill Development lab &TPPS)	01	1. 74-Dell Desktop Intel Core i5-8500/8GB RAM /1 TB HDD 2. 2-Dell T30 Server Intel Xion Processor/16GB RAM/2TB HDD 3. Delta EH-20KVA 3P/1P UPS with Quanta 12V/42AH SMF Batteries ANSYS 19.0 Software 4. MATLAB 2019	B. Tech III-Semester Students (6 Hours, 2-Sessions) IV-Semester Students (3 Hours, 1-Sessions) V-Semester Students (6 Hours, 2-Sessions) VI-Semester Students (9 Hours, 3-Sessions) VIII-Semester Students (6 Hours, 2-Sessions)	M. Madhukar	Programmer	M.C.A.

S. No.	Name of the Laboratory	No. of students per setup (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
9.	Dynamics of Machinery	03	1. Gyroscope 2. Whirling of shafts apparatus 3. Governor apparatus 4. Cam analysis machine 5. Static & dynamic balancing apparatus 6. Vibration lab 7. Dobot Robot with Conveyer Kit	B. Tech V-Semester (6 Hours, 2-Sessions)	D. Kishan	Mechanic	I.T.I.
10.	Computer Integrated Manufacturing Systems	03	1. PLC for trainer, Make-OMRON, Japan model No. CPIE-N40 2. PLC controller capable of 6 axes 3. Programmable Logic controller with Ladder Diagram CX-One software 4. 5KVA online UPS 5. STARTURN CNC Turning Centre 6. CNC Milling Machine 7. P-IV Computers	B. Tech VII-Semester Students (12 Hours, 4-Sessions)	M. Madhukar	Programmer	M.C.A.
11.	Energy Engineering	03	1. Air-Conditioning tutor (Lab unit) 2. Window-Air conditioning testing 3. Electrolux vapor absorption Refrigeration test rig 4. Vapor compression refrigeration Test rig 5. Vortex tube refrigeration system 6. Box type solar air heater 7. Solar flat plate collector 8. Pyrano meter 9. Solar photovoltaic panels(4 No.s)	B. Tech VII-Semester Students (12 Hours, 4-Sessions)	K. Venkataramana	Mechanic	I.T.I.

CAYm2 2022-23

S. No.	Name of the Laboratory	No. of students per setup (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.	Workshop Practice	03	1. AC Welding Machine 2. Portable grinding Machine 3. Power hacksaw machine 4. Vernier Height Gauge 5. Anvils 6. Surface Plate 7. Disc cutter 8. Bench Saw 9. Power Saw 10. Shearing Machine	All I & II Semester Students, I-Sem-24 Hours (8-Sessions) II-Sem-24 Hours (8-Sessions)	A. Rathnakar	Instructor	I.T.I.
					D. Kishan	Mechanic	I.T.I.
					K. Venkataramana	Mechanic	I.T.I.
					A. Pochalu	Sr. Instructor	I.T.I
					K. Ravi Kumar	Mechanic	DME
2.	Material Science & Metallurgy	03	1. Microscopes 2. Belt Grinder 3. Disc Polisher 4. Sample Mounting press 5. Muffle furnace 6. Specimen leveler 7. Specimen Drier 8. Rockwell hardness tester 9. Single pan balance 10. Electric tube furnace with controlled atmosphere facility 11. Bench Grinder	B. Tech III-Semester Students (18 Hours, 6-Sessions)	A. Pochalu	Sr. Instructor	I.T.I
3.	Manufacturing Processes	03	**Foundry Trade** 1. Shatter Index 2. Sand Rammer 3. Universal Sand Testing Machine 4. Permeability Tester 5. Drying Oven 6. Sieve Shaker 7. Clay Washer 8. Sand Muller	B. Tech IV-Semester Students (18 Hours, 6-Sessions)	K. Venkataramana	Mechanic	I.T.I.

S. No.	Name of the Laboratory	No. of students per setup (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
			9. Electronic Balance 10. Induction furnace				
			Welding Trade : 1. AC Welding Machine 2. DC Welding Machine 3. Resistance welding machine 4. Gas Welding **5.** Bend Testing Machine		D. Kishan	Mechanic	I.T.I.
			Forming Trade 1. Hydralic Press				
4.	Metrology	03	1. Sine Bar 2. Universal bevel protractor 3. Protractor 4. Digital Vernier 5. Micrometer 6. Thread pitch micro meter - Three wire set 7. Surface roughness tester 8. Digital Weighing balance (0.1mg Accuracy) 9. Bore gauge	B. Tech V-Semester Students (18 Hours, 6-Sessions)	Md. Vilayath Ali	Instructor	L.M.E
5.	Fuels & IC Engines	03	1. Cleveland's apparatus 2. Abel's apparatus 3. Redwood viscometer 4. Rams bottom carbon residue apparatus 5. Single cylinder four stroke diesel engine 6. Twin cylinder four stroke diesel engine 7. Multi cylinder four stroke petrol engine test rig	B. Tech V-Semester Students (18 Hours, 6-Sessions)	M. Madhusudan	Sr. Instructor	D.M.E

S. No.	Name of the Laboratory	No. of students per setup (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
			8. Variable compression ratio diesel engine test rig 9. Two stage reciprocating air compressor 10. Computer aided single cylinder four stroke diesel engine test rig 11. Section models of internal combustion engine 12. Section models of boiler 13. Exhaust gas analyzer 14. Smoke meter 15. Computerized Single cylinder four stroke Petrol Honda engine with eddy current dynamometer				
6.	Heat Transfer	03	1. Thermal conductivity of insulating powder 2. Heat transfer in natural convection 3. Heat transfer from the Pin-Fin Apparatus 4. Heat transfer in forced convection 5. Heat transfer through composite walls 6. Critical heat flux apparatus 7. Emissivity measurement Apparatus 8. Thermal conductivity of metal rod 9. Parallel and counter flow heat exchanger 10. Thermal conductivity apparatus 11. Heat transfer through Vacuum 12. Heat transfer through Heat pipe.	B. Tech VI-Semester Students (18 Hours, 6-Sessions)	K. Ravi Kumar	Mechanic	DME

S. No.	Name of the Laboratory	No. of students per setup (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
7.	Machine Shop (Principle of meatal cutting)	03	1. All geared Lathe Machines 2. Shaper machine 3. Milling Machine 4. Slotter Machine 5. Pedastal Drilling Machine 6. Bench Grinder 7. Radial Drilling Machine 8. Tool & Cutter Grinder 9. Three Component Lathe Tool Dynamometer 10. Drill Tool Dynamometer 11. Electric Discharge Machining 12. Micro Electric Discharge Machine	B. Tech VI-Semester (18 Hours, 6-Sessions)	K. Shankara Chary	Instructor	I.T.I
8.	MCAD (Computer Aided Analysis)	01	1. DELL Desk top Intel core I5-8500/8GB 1TB HDD/Key board, optical mouse 19.5" LED Monitor, 2GB Graphics Card (74 No's) 2. ANSYS 19.0 Software 3. MATLAB 2019	B. Tech VI-Semester Students (18 Hours, 6-Sessions)	M. Madhukar	Programmer	M.C.A.
9.	Dynamics of Machinery	03	1. Gyroscope 2. Whirling of shafts apparatus 3. Governor apparatus 4. Cam analysis machine 5. Static & dynamic balancing apparatus 6. Vibration lab	VII- Students (18 Hours, 6-Sessions)	D.Kisan	Mechanic	I.T.I
10.	Computer Integrated Manufacturing Systems	03	1. PLC for trainer, Make-OMRON, Japan model No. CPIE-N40 2. PLC controller capable of 6 axes 3. Programmable Logic controller with Ladder Diagram CX-One software 4. 5KVA online UPS 5. P- Simulator	B. Tech VIII-Semester Students (18 Hours, 6-Sessions)	Md. Vilayath Ali	Instructor	L.M.E

S. No.	Name of the Laboratory	No. of students per setup (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
			6. H-Simulator 7. STARTURN CNC Turning Centre 8. CNC Milling Machine 9. P-IV Computers				
11.	Energy Engineering	03	1. Air-Conditioning tutor (Lab unit) 2. Window-Air conditioning testing 3. Electrolux vapor absorption Refrigeration test rig 4. Vapor compression refrigeration Test rig 5. Vortex tube refrigeration system 6. Box type solar air heater 7. Solar flat plate collector 8. Pyrano meter 9. Solar photovoltaic panels(4 No.s)	B. Tech VIII-Semester Students (18 Hours, 6-Sessions)	M. Madhusudan	Sr. Instructor	D.M.E

D2: Safety Measures in Laboratories

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

S. No.	Name of the Laboratory	Safety measures
1.	Workshop Practice	• Fire extinguishers • Safety fire Bucket • First aid kit • Safety Measure Boards • Apron, Gloves, Goggles • Students are not allowed to laboratory if they wear loosely hanging garments and slippers.
2.	Material Science & Metallurgy	• Fire extinguishers • First aid kits • Safety Measure Boards
3.	Manufacturing Technology	• Fire extinguishers • First aid kit • Safety fire Bucket • Safety Measure Boards. • Apron, Gloves, Goggles, • Students are not allowed to laboratory if they wear loosely hanging garments and slippers.
4.	Metrology & Instrumentation	• Fire extinguishers • Safety Measure Boards
5.	Fuels & IC Engines	• Fire extinguishers • Safety Measure Boards • First aid kit • Safety Measure Boards
6.	Heat transfer	First aid kit, Safety Measure Boards
7.	Machine Shop	• Fire extinguishers • Safety fire Bucket • First aid kit • Safety Measure Boards • Apron, Gloves, Goggles • Students are not allowed to laboratory if they wear loosely hanging garments and slippers.
8.	MCAD	• Fire extinguishers
9.	Mechanical Research lab	• Fire extinguishers
10.	Dynamics of Machinery	• Fire extinguishers • First aid kit • Safety Measure Boards
11.	Computer Integrated Manufacturing Systems	• Fire extinguishers
12.	Energy Engineering	• Fire extinguishers • First aid kit • Safety Measure Boards
13.	Mechanical Research	• Fire extinguishers
14.	Composite Materials	• Fire extinguishers • Safety Measure Boards

D3: Project Laboratory/Research Laboratory/ Centre of excellence (20)

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

S. No.	Name of the Laboratory
1.	MCAD Laboratory • ANSYS Mechanical 19.2 • ANSYS CFD 19.2 • MATLAB
2.	Machine Shop • Electrical Discharging Machine with Rotary attachment • EDM Drilling Machine • Drill Tool Dynamometer • Three Component Lathe Tool Dynamometer
3.	Material science and Metallurgy Lab • Sintering furnace • Muffle furnace • Tube furnace
4.	IC Engines Lab • Variable compression Ratio Test Rig • Single cylinder 4-Stroke Diesel Engine • Morse test on 4-cylinder 4-stroke petrol Engine • Smoke meter analyzer • Computerized Single cylinder four stroke Petrol Honda engine with eddy current dynamometer • Exhaust gas analyzer
5.	Energy Engineering Lab • Solar flat plate collector • Solar Parabolic Plate collector
6.	Heat Transfer Lab • Heat Transfer Using Nano Fluids
7.	Work Shop • TIG Welding Machine • Resistance Welding • Induction furnace • Heavy duty 20 Ton Automatic Press
8.	Measurements & Metrology • Surface Roughness Tester • Digital Weighing Balance • Profile Projector
9.	Indo American Artificial Heart Project (IAAHP) • Workstation (HP) • ANSYS Workbench 19.0 • 3D Printer ➢ Markforged Mark2 (FDM) ➢ Formlabs form 3B+ (Resin based) ➢ Anycubic (Resin based) • Glue dispensing Machine (Robo Glue) • UV curing Machine • Vaccum Desicator with vaccum pump
10.	Mechanical Research Laboratory • ANSYS 19.0 • CREO 1.0 • MATLAB

S. No.	Name of the Laboratory
11.	Composite Materials Lab • Universal Tensile Testing Machine • Pin and Ball on Disc Friction & Wear Test Rig • Izod Charpy Impact Tester-Computerized • Motorized Notch Cutter - Digital • Mini stirrer • Composite Vacuum Bagging

PART E: Fist 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
2025-26 No. 357/CDC/KU/2025 & 27-10-2025	1320	66	44	228	((44*0.8) +(228*0.2))/66 =100%
2024-25 No.388/CDC/KU/2024 & 04-12-2024	1320	66	35	190	((35*0.8) +(190*0.2))/66 =100%
2023-24 No.850/CDC/KU/2023 & 29-08-2023	1140	57	36	141	((36*0.8) +(141*0.2))/57 =100%
2022-23 No.239/CDC/KU/2022 & 03-12-2022	1080	54	36	126	((36*0.8) +(126*0.2))/54 =100%
Average Percentage					**100%**

E2: Budget Allocation, Utilization, and Public Accounting at Institute Level

Table No. E2.1: Budget and actual expenditure incurred at Institute level.

	Budgeted in 2025-26	Actual Expenses in 2025-26 Till	Budgeted in 2024-25	Actual Expenses in 2024-25	Budgeted in 2023-24	Actual Expenses in 2023-24	Budgeted in 2022-23	Actual Expenses in 2022-23
Infrastructure Built-Up	43,700,000.00	41,067,527.00	63,120,127.00	48,722,100.00	136,000,000.00	101,313,650.00	55,700,000.00	115,181,569.00
Library	4,300,000.00	735,277.00	3,700,000.00	3,202,583.00	3,750,000.00	3,854,410.00	4,800,000.00	3,353,637.00
Laboratory equipment	22,678,000.00	13,878,923.00	43,245,173.00	38,709,323.00	48,425,680.00	7,703,684.00	34,850,000.00	65,396,110.00
Teaching and non-teaching staff salary	503,202,400.00	299,503,249.00	581,710,000.00	408,009,934.00	431,934,200.00	429,223,741.00	420,400,000.00	374,081,427.00
Outreach Programs	13,380,000.00	6,127,840.00	13,375,000.00	11,608,470.00	11,658,000.00	15,847,400.00	6,350,000.00	15,944,142.00
R&D	6,050,000.00	3,810,460.00	6,050,000.00	3,387,156.00	9,250,000.00	8,925,597.00	3,950,000.00	4,846,628.00
Training and Travel/ Industrial training, Industry expert , Internship	14,580,000.00	6,750,274.00	12,175,000.00	5,498,937.00	1,650,000.00	8,738,540.00	1,250,000.00	7,990,517.00
SDGs	27,814,565.00	19,815,140.00	27,875,000.00	26,348,596.00	21,768,000.00	24,423,840.00	18,550,000.00	21,161,954.00
Entrepreneurship	825,000.00	412,620.00	425,000.00	424,386.00	850,000.00	657,771.00	250,000.00	153,292.00
Others, specify	169,054,660.00	6,183,348.00	113,110,200.00	45,069,558.00	150,639,860.00	47,250,397.00	38,850,000.00	33,527,104.00
Total	805,584,625.00	398,284,658.00	864,785,500.00	590,981,043.00	815,925,740.00	647,939,030.00	584,950,000.00	641,636,380.00

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 (2024-25)	Actual expenses in CFY (2024-25)	Budgeted in CFY*m*1 (2023-24)	Actual Expenses in CFY*m*1 (2023-24)	Budgeted in CFY*m*2 (2022-23)	Actual Expenses in CFY*m*2 (2022-23)	Budgeted in CFY*m*3 (2021-22)	Actual Expenses in CFY*m*3 (2021-22)
Laboratory equipment	36,54,900	28,57,088	20,29,400	5,61,495	15,30,365	14,78,697	16,50,000	16,63,480
Software		4,64,250		1,30,994		1,83,626		1,52,426
SDGs	--	--	--	--	--	--	--	--
Support for faculty development	--	1,80,000	--	--	--	--	--	--
R & D	9,40,000	6,65,731	5,00,000	5,14,022	3,50,000	2,25,603	5,00,000	--
Industrial Training, Industry expert, Internship	--	26,000	--	20000	--	5000	--	--
Miscellaneous expenses *	6,37,000	98,400	5,89,000	4,25,562	7,29,000	3,25,161	7,79,000	3,00,546
Total amount	**52,31,900**	**42,91,469**	**31,18,400**	**16,51,773**	**26,09,365**	**22,18,087**	**29,29,000**	**21,16,452**