

NATIONAL BOARD OF ACCREDITATION

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

Program Name : Mechanical Engineering	Discipline : Engineering & Technology
Level : Under Graduate	Tier : 2
Application No : 12109	Date of Submission : 07-09-2026

PART A- Profile of the Institute

A1.Name of the Institute : SRI CHAITANYA TECHNICAL CAMPUS	
Year of Establishment : 2009	Location of the Institute: 17210268 78608508 Sheriguda Village
A2. Institute Address : Sheriguda Village, Ibrahimpatnam Mandal, Ranga Reddy Dist. 501510	
City: Ranga Reddy	State: Telangana
Pin Code: 501510	Website: www.srichaitanya.ac.in
Email: director8a.sctc@gmail.com	Phone No(with STD Code):-
A3. Name and Address of the Affiliating University (if any):	
Name of the University : JNTU HYDERABAD	City: Hyderabad
State : Telangana	Pin Code: 500085
A4. Type of the Institution : Non-Autonomous (Affiliated)	
A5. Ownership Status : Self financing	

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

- No. of UG programs: **8**
- No. of PG programs: **0**

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

Sr.No.	Discipline	Level of program	Name of the program	Year of Start	Year of Closed	Name of The Department
1	Engineering & Technology	UG	Civil Engineering	2009	--	Civil Engineering
2	Engineering & Technology	UG	Computer Science and Engineering	2010	--	Computer Science and Engineering
3	Engineering & Technology	UG	Computer Science and Engineering (Artificial Intelligence & Machine Learning)	2023	--	Computer Science and Engineering (Artificial Intelligence and Machine Learning)
4	Engineering & Technology	UG	Computer Science and Engineering (Data Science)	2023	--	Computer Science and Engineering (Data Science)
5	Engineering & Technology	UG	Electrical and Electronics Engineering	2009	--	Electrical and Electronics Engineering
6	Engineering & Technology	UG	ELECTRONICS AND COMMUNICATION ENGINEERING	2009	--	Electronics and Communication Engineering
7	Engineering & Technology	UG	Mechanical Engineering	2009	--	Mechanical Engineering

8	Engineering & Technology	UG	Software Engineering	2020	--	Computer Science and Engineering
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A7. Programs to be considered for Accreditation vide this Application:

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

Name of the Department	Having Allied Departments	Name of the Program	Program Level
Mechanical Engineering	No	Mechanical Engineering	UG

Table No. A7.2: Allied Department(s) to the Department of the program considered for accreditation as above.
Cluster ID. Name of the Department (in table no. A7.1) Name of allied Departments/Cluster (for table no. A7.1)

No Record

PART-B: Program information

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

Table No. B1: Program details.

A. List of the Programs Offered by the Department:

SR.NO.	PROGRAM NAME	PROGRAM APPLIED LEVEL	YEAR OF START / YEAR OF CLOSED	SANCTIONED INTAKE	INCREASE/DECREASE INTAKE (if any)	YEAR OF INCREASE/DECREASE	CURRENT INTAKE	YEAR OF AICTE APPROVAL	AICTE/COMPETENT AUTHORITY ARROVAL DETAILS	ACCREDITATION STATUS	FROM	TO	NO. OF TIMES PROGRAM ACCREDITED
1	Mechanical Engineering	UG	2009 / --	60	Yes	2023	30	2023	AICTE	Applying first time	--	--	0

Sanctioned Intake for Last Five Years for the Mechanical Engineering	
Academic Year	Sanctioned Intake
2025-26	30
2024-25	30
2023-24	30
2022-23	60
2021-22	60
2020-21	60

List of the Allied Departments/Cluster and Programs:

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

A. Name of the HoD :	Dr. MEENUGA SHANTHI RAJU
B. Nature of appointment:	Regular
C. Qualification:	Ph.D

B3. Program Details

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

Item (Information to be provided cumulatively for all the shifts with explicit headings, wherever applicable)	2025-26 (CAY)	2024-25 (CAYm1)	2023-24 (CAYm2)	2022-23 (CAYm3)	2021-22 (CAYm4)	2020-21 (CAYm5)	2019-20 (CAYm6)
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N=Sanctioned intake of the program (as per AICTE /Competent authority)	30	30	30	60	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	9	22	16	19	20	30	58
N2=Number of students admitted in 2nd year in the same batch via lateral entry including leftover seats	0	3	3	6	6	6	6
N3=Separate division if any	0	0	0	0	0	0	0
N4=Total no. of students admitted in the 1st year via all supernumerary quotas	0	0	0	0	0	0	0
Total number of students admitted in the program (N1 + N2 + N3 + N4) - excluding those admitted through multiple entry and exit points.	9	25	19	25	26	36	64

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

B4. Enrolment Ratio in the First Year

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

Year of entry	N (From Table 4.1)	N1 (From Table 4.1)	N4 (From Table 4.1)	Enrollment Ratio [(N1/N)*100]
2025-26 (CAY)	30	9	0	30.00
2024-25 (CAYm1)	30	22	0	73.33
2023-24 (CAYm2)	30	16	0	53.33

Average [(ER1 + ER2 + ER3) / 3] = 52.22≡ 8.00

B5. Success Rate of the Students in the Stipulated Period of the Program

Table No.B5.1: The success rate in the stipulated period of a program.

Item	(2021-22) LYG	(2020-21) LYGm1	(2019-20) LYGm2
A*= (No. of students admitted in the 1st year of that batch and those actually admitted in the 2nd year via lateral entry, plus the number of students admitted through multiple entry (if any) and separate division if applicable, minus the number of students who exited through multiple entry (if any).	66.00	66.00	66.00
B=No. of students who graduated from the program in the stipulated course duration	20.00	29.00	48.00
Success Rate (SR)= (B/A) * 100	30.30	43.94	72.73

Average SR of three batches ((SR_1+ SR_2+ SR_3)/3): 48.99

B6. Academic Performance of the First-Year Students of the Program

Table No.B6.1: Academic Performance of the First-Year Students of the Program.

Academic Performance	CAYm1(2024-25)	CAYm2(2023-24)	CAYm3 (2022-23)
X=(Mean of 1st year grade point average of all successful students on a 10-point scale) or (Mean of the percentage of marks of all successful students in 1st year/10)	8.71	6.82	6.67
Y=Total no. of successful students	22.00	16.00	19.00
Z=Total no. of students appeared in the examination	22.00	16.00	19.00
API [X*(Y/Z)]	8.71	6.82	6.67

Average API[(AP1+AP2+AP3)/3] : 7.40

B7: Academic Performance of the Second Year Students of the Program

Table No.B7.1: Academic Performance of the Second Year Students of the Program.

Academic Performance	CAYm1 (2024-25)	CAYm2 (2023-24)	CAYm3 (2022-23)
X=(Mean of 2nd year grade point average of all successful students on a 10-point scale) or (Mean of the percentage of marks of all successful students in 2nd year/10)	7.12	7.33	7.76
Y=Total no. of successful students	18.00	20.00	26.00
Z=Total no. of students appeared in the examination	19.00	25.00	26.00
API [X * (Y/Z)]	6.75	5.86	7.76

Average API [(AP1 + AP2 + AP3)/3] : 6.79

B8. Academic Performance of the Third Year Students of the Program

Table No.B8.1: Academic Performance of the Third Year Students of the Program

Academic Performance	CAYm1 (2024-25)	CAYm2 (2023-24)	CAYm3 (2022-23)
X=(Mean of 3rd year grade point average of all successful students on a 10-point scale) or (Mean of the percentage of marks of all successful students in 3rd year/10)	7.86	8.12	7.98
Y=Total no. of successful students	19.00	20.00	29.00
Z=Total no. of students appeared in the examination	20.00	26.00	39.00
API [X*(Y/Z)]:	7.47	6.25	5.93

Average API [(AP1 + AP2 + AP3)/3] : 6.55

B9. Placement, Higher Studies, and Entrepreneurship

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

Item	LYG (2021-22)	LYGm1(2020-21)	LYGm2(2019-20)
FS*=Total no. of final year students	66.00	66.00	66.00
X=No. of students placed	16.00	25.00	40.00
Y=No. of students admitted to higher studies	0.00	0.00	0.00
Z= No. of students taking up entrepreneurship	0.00	0.00	0.00
Placement Index(P) = (((X + Y + Z)/FS) * 100):	24.24	37.88	60.61

Average Placement Index = (P_1 + P_2 + P_3)/3: 40.91 Placement Index Points:

PART C: Faculty Details in Department and Allied Departments**(Data to be filled in for the Department and Allied Departments)****C1. Faculty details of Department and Allied Departments**

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

Sr.No	Name of the Faculty	PAN No.	Highest degree	University	Area of Specialization	Date of Joining in this Institution	Experience in years in current institute	Designation at Time Joining in this Institution	Present Designation	The date on which Designated as Professor/ Associate Professor if any	Nature of Association (Regular/ Contract/ Ad hoc)	Currently Associated (Y/N)	In case of NO, Date of Leaving	IS HOD?
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1	Dr.SRINIVAS VISWANATH V	XXXXXXXX44H	Ph.D	VIT	MECHANICAL ENGINEERING	03/08/2023	3.1	Professor	Professor	03/08/2023	Regular	Yes		No
2	Mr. SYED JUNAID ALI	XXXXXXXX67N	M.Tech	VYU	MACHINE DESIGN	18/07/2018	8.1	Assistant Professor	Assistant Professor		Regular	Yes		No
3	Mrs. CHANDINIBEEBI SHEIK	XXXXXXXX23R	M.Tech	JNTUK	THERMAL ENGINEERING	18/07/2018	8.1	Assistant Professor	Assistant Professor		Regular	Yes		No
4	Mr. BALAJI KUNDERU	XXXXXXXX87M	M.Tech	JNTUK	MACHINE DESIGN	18/07/2022	4.1	Assistant Professor	Assistant Professor		Regular	Yes		No
5	Mr. VENKATARATNAM MANDA	XXXXXXXX67K	M.Tech	JNTUH	CAD/CAM	02/11/2019	6.9	Assistant Professor	Assistant Professor		Regular	Yes		No
6	Mr. SWAMYNATH KAVALI	XXXXXXXX80L	M.Tech	JNTUH	CAD/CAM	22/07/2019	7.1	Assistant Professor	Assistant Professor		Regular	Yes		No
7	Mr. JAGADEESH KUMMARIKUNTALA	XXXXXXXX08P	M.Tech	JNTUH	THERMAL ENGINEERING	11/04/2019	7.4	Assistant Professor	Assistant Professor		Regular	Yes		No
8	Mr. CHITME SACHINKUMAR	XXXXXXXX38F	M.Tech	VTU	THERMAL POWER ENGINEERING	02/01/2020	6.7	Assistant Professor	Assistant Professor		Regular	Yes		No
9	Mr. VAMSHI KUDUMULA	XXXXXXXX19Q	M.Tech	JNTUH	MECHATRONICS	22/11/2021	4.8	Assistant Professor	Assistant Professor		Regular	Yes		No
10	Mrs. RATHLAVATH VIJAYA	XXXXXXXX89J	M.Tech	JNTUH	THERMAL ENGINEERING	06/07/2022	4.1	Assistant Professor	Assistant Professor		Regular	Yes		No
11	Mr. DAMERLA SURESH	XXXXXXXX40M	M.Tech	JNTUH	THERMAL ENGINEERING	03/08/2023	3	Assistant Professor	Assistant Professor		Regular	Yes		No
12	Mr. MADHU KONDA	XXXXXXXX40B	M.Tech	JNTUH	THERMAL ENGINEERING	07/08/2024	2	Assistant Professor	Assistant Professor		Regular	Yes		No
13	Dr. V. Veeranna	XXXXXXXX65R	Ph.D	JNTU	MECHANICAL ENGINEERING	05/05/2026	0.4	Professor	Professor	05/05/2026	Regular	Yes		No
14	Dr. MEENUGA SHANTHI RAJU	XXXXXXXX68R	Ph.D	IIT MANIPUR	MECHANICAL ENGINEERING	07/07/2025	1.2	Assistant Professor	Assistant Professor		Regular	Yes		Yes
15	Dr. SELVAM M	XXXXXXXX99Q	Ph.D	ANNAMALAI UNIVERSITY	MECHANICAL ENGINEERING	03/06/2023	3.3	Professor	Professor	03/06/2023	Regular	Yes		No

Table No.C2: Faculty details of Allied Departments for the past 3 years including CAY.

C2. Student-Faculty Ratio (SFR)

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

UG1=1st UG program

UGn=nth UG program

B= No. of Students in UG 2nd year (ST)**C**= No. of Students in UG 3rd year (ST)**D**= No. of Students in UG 4th year (ST)

No. of PG (Engineering) programs in Department including allied departments/ clusters (PGm):

PG1=1st PG program.

PGm=mth PG program

A= No. of Students in PG 1st year

B= No. of Students in PG 2nd year

Student Faculty Ratio (**SFR**) = S/F

S= No. of students of all programs in the Department including all students of allied departments/clusters.

No. of students (ST)=Sanctioned Intake (SA)+ Actual admitted students via lateral entry including leftover seats (L) if any (limited to 10 % of SA)

Students who admitted under supernumerary quotas (SNQ, EWS, etc) will not be considered in calculating SFR value. Those students are exempted.

F=Total no. of regular or contractual faculty members (Full Time) in the Department, including allied departments/clusters (excluding first year faculty (The faculty members who have a 100% teaching load in the first-year courses)).

No. of UG Programs in the Department1 No. of PG Programs in the Department0

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

Description	CAY(2025-26)	CAYm1 (2024-25)	CAYm2 (2023-24)
UG1.B	33	33	66
UG1.C	33	66	66
UG1.D	66	66	66
UG1: Mechanical Engineering	132	165	198
DS=Total no. of students in all UG and PG programs in the Department	132	165	198
AS=Total no. of students of all UG and PG programs in allied departments	0	0	0
S=Total no. of students in the Department (DS) and allied departments (AS)	S1= 132	S2= 165	S3= 198
DF=Total no. of faculty members in the Department	14	13	12
AF= Total no. of faculty members in the allied Departments	0	0	0
F=Total no. of faculty members in the Department (DF) and allied Departments (AF)	F1= 14	F2= 13	F3= 12
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)	SFR1= 9.43	SFR2= 12.69	SFR3= 16.50
Average SFR for 3 years	SFR= 12.87		

C3. Faculty Qualification

- Faculty qualification index (FQI) = $2.5 * [(10X + 4Y)/RF]$ where
- X=No. of faculty members with Ph.D. degree or equivalent as per AICTE/UGC norms.
- Y=No. of faculty members with M. Tech. or ME degree or equivalent as per AICTE/ UGC norms.
- RF=No. of required faculty in the Department including allied Departments to adhere to the 20:1 Student-Faculty ratio, with calculations based on both student numbers and faculty requirements as per section C2 of this documents: (RF=S/20).

Table No.C3.1: Faculty qualification.

Year	X	Y	RF	FQ = $2.5 \times [(10X + 4Y) / RF]$
2025-26(CAY)	3	11	6.00	30.83
2024-25(CAYm1)	2	11	8.00	20.00
2023-24(CAYm2)	2	10	9.00	16.67

C4. Faculty Cadre Proportion

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

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

Year	Professors		Associate Professors		Assistant Professors	
	Required RF1	Available AF1	Required RF2	Available AF1	Required RF3	Available AF3
2025-26	1.00	2.00	1.00	0.00	4.00	12.00
2024-25	1.00	2.00	2.00	0.00	6.00	11.00
2023-24	1.00	2.00	2.00	0.00	7.00	10.00
Average	RF1=1.00	AF1=2.00	RF2=1.67	AF2=0.00	RF2=5.67	AF2=11.00

C5. Visiting/Adjunct Faculty/Professor of Practice

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

(CAYm1)

S.No	Name of the Person	Designation	Organization	Name of the Course	No. of hours handled
1	Mr. Likhith Sai Gopal B	Robotics Engineer	HackBoats	KINEMATICS OF MACHINERY	27.00
2	Mr. Kranthi Kiran	Founder & Director	8272 Engineering And Projects	METROLOGY AND MACHINE TOOLS	28.00

(CAYm2)

S.No	Name of the Person	Designation	Organization	Name of the Course	No. of hours handled
1	Mr. Likhith Sai Gopal B	Robotics Engineer	HackBoats	Production Technology	27.00
2	G. Surya Prakash	Director	Kits cart India Pvt Ltd	Dynamics of Machinery	30.00

(CAYm3)

S.No	Name of the Person	Designation	Organization	Name of the Course	No. of hours handled
1	Mr. Kranthi Kiran	Founder & Director	8272 Engineering And Projects	Thermodynamics	28.00
2	G. Surya Prakash	Director	Kits cart India Pvt Ltd	Fluid Mechanics & Hydraulic Machines	30.00

C6. Academic Research

Table No. C6.1: Faculty publication details.

S.No.	Item	2024-25 (CAYm1)	2023-24 (CAYm2)	2022-23 (CAYm3)
1	No. of peer reviewed journal papers published	6	3	2
2	No. of peer reviewed conference papers published	4	2	2
3	No. of books/book chapters published	2	2	2

C7. Sponsored Research Project

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

(CAYm1)

(CAYm2)

(CAYm3)

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

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

C8. Consultancy Work

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

(CAYm1)

PI Name	Co-PI names if any	Name of the Dept., where project is sanctioned	Project Title*	Name of the Funding agency	Duration of the project	Amount(Lacs) i.e. 15,25,000=15.25
Dr.SRINIVAS VISWANATH V	Mr. SWAMYNATH KAVALI	Mech	Design and Development of an Industrial Automated Conveyor-Based Material Handling and Sorting System Integrating Mechanical Transmission, Pneumatic Actuation, Sensor-Based Object Detection and Programmable Automated Control	HackBoats	2 years	4.50
						Amount received (Rs.):4.50

(CAYm2)

PI Name	Co-PI names if any	Name of the Dept., where project is sanctioned	Project Title*	Name of the Funding agency	Duration of the project	Amount(Lacs) i.e. 15,25,000=15.25
Dr.SRINIVAS VISWANATH V	Mr. BALAJI KUNDERU	Mech	Design and Development of a PLC-Based Automated Hydraulic Press with Intelligent Process Monitoring, Pressure and Force Measurement, Automated Operation, Hydraulic System Control and Integrated Safety Interlocking Mechanisms	HackBoats	2 years	5.00
						Amount received (Rs.):5.00

(CAYm3)

PI Name	Co-PI names if any	Name of the Dept., where project is sanctioned	Project Title*	Name of the Funding agency	Duration of the project	Amount(Lacs) i.e. 15,25,000=15.25
Mr. SODINAPALLI MANJUNATH	Mr. SHAIK ANWAR BASHA	Mech	Design and Development of an Autonomous Mobile Robot for Industrial Material Transportation with SLAM-Based Navigation, Dynamic Obstacle Avoidance, Payload Handling and Centralized Fleet and Mission Management	HackBoats	2 years	5.50
						Amount received (Rs.):5.50

Total amount (Lacs) received for the past 3 years: 15.00**Note*:**

- Only consultancy projects will be considered. Infrastructure-based projects will not be considered here.

C9. Institution Seed Money or Internal Research Grant to its Faculty for Research Work

Table No. C9.1: List of faculty members received seed money or internal research grant from the Institution.

(CAYm1)

Faculty name	Project title/ Support for Activity	Duration of the project	Amount(Lacs) i.e. 15,25,000=15.25	Amount Utilized(Lacs) i.e. 15,25,000=15.25	Outcomes of the project
Mr. SYED JUNAID ALI	CAD/CAE-Based Optimization of Mechanical Component – Performance Evaluation	6 Months	25500.00	25500.00	Performed CAD modelling and CAE-based analysis and proposed an optimized component design.
Mr. K. Jagadeesh	Waste Heat Recovery System for Small-Scale Applications – Performance Evaluation	1 Year	23500.00	23500.00	Developed a conceptual/prototype waste-heat recovery system and evaluated its thermal efficiency.
Mr. BALAJI KUNDERU	Additive Manufacturing Process Parameter Study – Performance Evaluation	6 Months	32000.00	32000.00	Studied selected additive-manufacturing parameters and documented their effects on part quality.
			Amount received (Rs.): 81000.00		

(CAYm2)

Faculty name	Project title/ Support for Activity	Duration of the project	Amount(Lacs) i.e. 15,25,000=15.25	Amount Utilized(Lacs) i.e. 15,25,000=15.25	Outcomes of the project
Dr.SRINIVAS VISWANATH V	Waste Heat Recovery System for Small-Scale Applications – Extended Field Validation	6 Months	15000.00	15000.00	Developed a conceptual/prototype waste-heat recovery system and evaluated its thermal efficiency.
Mr. K. Swamynath	Additive Manufacturing Process Parameter Study – Extended Field Validation	1 Year	18500.00	18500.00	Studied selected additive-manufacturing parameters and documented their effects on part quality.
Mr. BALAJI KUNDERU	Design and Fabrication of Energy-Efficient Heat Exchanger – Extended Field Validation	6 Months	23000.00	23000.00	Designed, fabricated and tested a prototype heat exchanger with documented thermal performance.
Mr. VENKATARATNAM MANDA	Performance Analysis of CNC Machining Parameters – Extended Field Validation	6 Months	20000.00	20000.00	Evaluated machining parameters and identified combinations producing improved surface finish and productivity.
			Amount received (Rs.): 76500.00		

(CAYm3)

Faculty name	Project title/ Support for Activity	Duration of the project	Amount(Lacs) i.e. 15,25,000=15.25	Amount Utilized(Lacs) i.e. 15,25,000=15.25	Outcomes of the project
SYED ALI	Design and Fabrication of Energy-Efficient Heat Exchanger	6 Months	18000.00	17500.00	Designed, fabricated and tested a prototype heat exchanger with documented thermal performance.
Mr. K. Jagadeesh	Performance Analysis of CNC Machining Parameters	6 Months	16000.00	16000.00	Evaluated machining parameters and identified combinations producing improved surface finish and productivity.
SANTOSHKUMAR SANTOSHKUMAR	CAD/CAE-Based Optimization of Mechanical Component	1 Year	17000.00	17000.00	Performed CAD modelling and CAE-based analysis and proposed an optimized component design.
			Amount received (Rs.): 51000.00		

Total amount (Lacs) received for the past 3 years : 208500.00

PART D: Laboratory Infrastructure in the Department

(Data to be filled in for the Department)

D1. Adequate and Well-Equipped Laboratories, and Technical Manpower

Table No.D1.1: List of laboratories and technical manpower.

Sr. No	Name of the Laboratory	Number of students per set up(Batch Size)	Name of the Important Equipment	Weekly utilization status(all the courses for which the lab is utilized)	Technical Manpower Support		
					Name of the Technical staff	Designation	Qualification
1	ENGINEERING WORKSHOP	3	FITTING TOOLS	30	MD.PARVEZ AHMED	LAB ASSISTANT	B.TECH
2	ENGINEERING WORKSHOP	3	FOUNDRY TOOLS	30	MD.PARVEZ AHMED	LAB ASSISTANT	B.TECH
3	ENGINEERING WORKSHOP	3	WELDING TOOLS	30	MD.PARVEZ AHMED	LAB ASSISTANT	B.TECH
4	ENGINEERING WORKSHOP	3	WIRING BOARD (WOODEN)	30	MD.PARVEZ AHMED	LAB ASSISTANT	B.TECH
5	STRENGTH OF MATERIALS LAB	3	IMPACT TESTING EQUIPMENT	30	A RANGANATHA SWAM	LAB ASSISTANT	ITI
6	STRENGTH OF MATERIALS LAB	3	TORSION TESTING MACHINE	30	A RANGANATHA SWAM	LAB ASSISTANT	ITI
7	STRENGTH OF MATERIALS LAB	3	SPRING TESTING MACHINE	30	A RANGANATHA SWAM	LAB ASSISTANT	ITI
8	MATERIAL SCIENCE AND METALLURGY LAB	3	MICROSCOPE	30	A RANGANATHA SWAM	LAB ASSISTANT	ITI
9	MATERIAL SCIENCE AND METALLURGY LAB	3	JOMINY END QUENCH TEST SETUP	30	A RANGANATHA SWAM	LAB ASSISTANT	ITI
10	MATERIAL SCIENCE AND METALLURGY LAB	3	ELECTRIC MUFFLE FURNACE	30	A RANGANATHA SWAM	LAB ASSISTANT	ITI
11	FLUID MECHANICS & HYDRAULIC MACHINES LAB	3	VENTURI METER	30	S.VENKATESHWARLU	LAB ASSISTANT	ITI
12	FLUID MECHANICS & HYDRAULIC MACHINES LAB	3	KAPLAN TURBINE	30	S.VENKATESHWARLU	LAB ASSISTANT	ITI
13	FLUID MECHANICS & HYDRAULIC MACHINES LAB	3	FRANCIS TURBINE	30	S.VENKATESHWARLU	LAB ASSISTANT	ITI

14	FLUID MECHANICS & HYDRAULIC MACHINES LAB	3	SINGLE STAGE CENTRIFUGAL PUMP	30	S.VENKATESHWARLU	LAB ASSISTANT	ITI
15	FLUID MECHANICS & HYDRAULIC MACHINES LAB	3	MULTI STAGE CENTRIFUGAL PUMP	30	S.VENKATESHWARLU	LAB ASSISTANT	ITI
16	CAD LAB	3	COMPUTERS	30	JETTI PRUDHVI	LAB ASSISTANT	B.TECH
17	THERMAL ENGINEERING LAB	3	SINGLE-CYLINDER ENGINE	30	K.NAGABUSHANAM	LAB ASSISTANT	ITI
18	HEAT TRANSFER LAB	3	PARALLEL AND COUNTER FLOW HEAT EXCHANGER	30	TEJAVATH NARESH	LAB ASSISTANT	DIPLOMA
19	PRODUCTION TECHNOLOGY	3	HYDRAULIC PRESS	30	TEJAVATH NARESH	LAB ASSISTANT	DIPLOMA
20	MACHINE TOOLS LAB	3	DRILLING MACHINE	30	K.NAGABUSHANAM	LAB ASSISTANT	ITI
21	Kinematics and Dynamics Lab	3	PORTAL AND PROEL GOVERNOR	30	K.SHIVA KUMAR	LAB ASSISTANT	DIPLOMA
22	Instrumentation and Control Systems Lab	3	THERMOCOUPLE SETUP	30	BANAVATH SANTHOSH	LAB ASSISTANT	B.TECH

D2. Safety Measures in Laboratories

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

Sr. No	Laboratory Name	Safety Measures
1	ENGINEERING WORKSHOP LABORATORY	CC CAMERAS, FIRST AID BOX, FIRE EXTINGUISHERS AND SAND BUCKETS
2	MANUFACTURING PROCESSES LABORATORY	CC CAMERAS, FIRST AID BOX, SAND BUCKETS, FIRE EXTINGUISHERS, HAND GLOVES AND EYE SHIELDS/GOGGLES
3	STRENGTH OF MATERIALS LABORATORY	CC CAMERAS, FIRST AID BOX AND FIRE EXTINGUISHERS
4	MATERIAL SCIENCE AND METALLURGY LABORATORY	CC CAMERAS, FIRST AID BOX AND FIRE EXTINGUISHERS

5	FLUID MECHANICS & HYDRAULIC MACHINES LABORATORY	CC CAMERAS, FIRST AID BOX AND FIRE EXTINGUISHERS
6	COMPUTER AIDED MACHINE DRAWING LABORATORY	CC CAMERAS, UPS FOR DATA SAFETY AND FIRE EXTINGUISHERS
7	CAD/CAM LABORATORY	CC CAMERAS, UPS FOR DATA SAFETY AND FIRE EXTINGUISHERS
8	THERMAL ENGINEERING LABORATORY	CC CAMERAS, FIRST AID BOX, FIRE EXTINGUISHERS AND SAND BUCKETS
9	HEAT TRANSFER LABORATORY	CC CAMERAS, FIRST AID BOX AND FIRE EXTINGUISHERS
10	MACHINE TOOLS LABORATORY	CC CAMERAS, FIRST AID BOX AND FIRE EXTINGUISHERS

D3. Project Laboratory/Research Laboratory

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PART E: First Year faculty and financial Resources**(Data to be filled in for the first year course faculty and budget allocation and utilization)****E1. First Year Student-Faculty Ratio (FYSFR)**

Table No. E1.1: FYSFR details.

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 $\frac{((NS1*0.8) + (NS2*0.2))}{(No. of required faculty (RF4))}$; Percentage= $\frac{((NS1*0.8) + (NS2*0.2))}{RF}$
2023-24(CAYm2)	360	18	28	12	138
2024-25(CAYm1)	360	18	30	12	147
2025-26(CAY)	360	18	25	12	124

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

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

Items	Budgeted in 2025-26	Actual Expenses in 2025-26 till	Budgeted in 2024-25	Actual Expenses in 2024-25 till	Budgeted in 2023-24	Actual Expenses in 2023-24 till	Budgeted in 2022-23	Actual Expenses in 2022-23 till
Infrastructure Built-Up	5000000.00	3573893.00	750000.00	671500.00	500000.00	231300.00	500000.00	229000.00
Library	300000.00	136658.00	300000.00	100000.00	500000.00	206983.00	200000.00	90500.00
Laboratory equipment	500000.00	204183.00	500000.00	325000.00	1000000.00	949769.00	100000.00	48840.00
Teaching and non-teaching staff salary	70000000.00	67513831.00	82500000.00	78712729.00	90000000.00	84853278.00	58500000.00	55612648.00
Outreach Programs	300000.00	251465.00	250000.00	225650.00	250000.00	218850.00	250000.00	201550.00
R&D	500000.00	406615.00	400000.00	389520.00	400000.00	380350.00	450000.00	391200.00
Training, Placement and Industry linkage	550000.00	501560.00	550000.00	500580.00	500000.00	489520.00	500000.00	455680.00
SDGs	350000.00	276785.00	300000.00	265890.00	300000.00	250115.00	300000.00	231520.00
Entrepreneurship	500000.00	401585.00	450000.00	400550.00	450000.00	395200.00	400000.00	366975.00
Others, specify	25600000.00	24896822.00	23550000.00	20755080.00	30500000.00	26720393.00	25400000.00	21748587
Total	103600000.00	98163397.00	109550000.00	102346499.00	124400000.00	114695758.00	86600000.00	79376500.00

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 2025-26	Actual Expenses in 2025-26 till	Budgeted in 2024-25	Actual Expenses in 2024-25 till	Budgeted in 2023-24	Actual Expenses in 2023-24 till	Budgeted in 2022-23	Actual Expenses in 2022-23 till
Laboratory equipment	38000.00	17000.00	38000.00	29000.00	75000.00	72000.00	15000.00	9500.00
Software	37000.00	27000.00	38000.00	28000.00	30000.00	25000.00	37000.00	32000.00
SDGs	26000.00	21000.00	23000.00	21000.00	23000.00	19000.00	44000.00	35000.00
Support for faculty development	26000.00	22000.00	23000.00	21000.00	23000.00	21000.00	28000.00	26000.00
R & D	38000.00	30000.00	33000.00	30000.00	28000.00	29000.00	67000.00	59000.00
Industrial Training, Industry expert, Internship	45000.00	39000.00	45000.00	40000.00	41000.00	38000.00	75000.00	66000.00
Miscellaneous Expenses*	7200000.00	6954221.86	7985000.00	7473515.62	9065000.00	8388935.94	12630000.00	11639302.37

Total	7410000.00	7110221.86	8185000.00	7642515.62	9285000.00	8592935.94	12896000.00	11866802.37
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