

NATIONAL BOARD OF ACCREDITATION

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

Program Name : Artificial Intelligence and Data Science	Discipline : Engineering & Technology
Level : Under Graduate	Tier : 1
Application No : 11652	Date of Submission : 16-03-2026

PART A- Profile of the Institute

A1. Name of the Institute : R.M.K. COLLEGE OF ENGINEERING AND TECHNOLOGY	
Year of Establishment : 2008	Location of the Institute: RSM NAGAR PUDUVOYAL
A2. Institute Address :R.M.K. COLLEGE OF ENGINEERING AND TECHNOLOGY, R.S.M. NAGAR, PUDUVOYAL, KAVARAIPETTAI -601 206. GUMMIDIPOONDI TALUK, TIRUVALLUR DISTRICT, TAMIL NADU, INDIA.	
City:Tiruvallur	State:Tamil Nadu
Pin Code:601206	Website:www.rmkcet.ac.in
Email:principal@rmkcet.ac.in	Phone No(with STD Code):044-67900679
A3. Name and Address of the Affiliating University (if any):	
Name of the University : ANNA UNIVERSITY CHENNAI	City: Chennai
State : Tamil Nadu	Pin Code: 600025
A4. Type of the Institution : Self-Supported Institute	
A5. Ownership Status : Self financing	

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

- No. of UG programs: 6
- 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	Artificial Intelligence and Data Science	2020	--	Artificial Intelligence and Data Science
2	Engineering & Technology	UG	Computer Science and Engineering	2008	--	Computer Science and Engineering
3	Engineering & Technology	UG	Computer Science and Engineering (Cyber Security)	2022	--	Computer Science and Engineering (Cyber Security)
4	Engineering & Technology	UG	Electronics & Communication Engineering	2008	--	Electronics and Communication Engineering
5	Engineering & Technology	UG	Electronics Engineering (VLSI Design and Technology)	2024	--	Electronics Engineering (VLSI Design and Technology)
6	Engineering & Technology	UG	Mechanical Engineering	2010	2022	Mechanical Engineering

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
Artificial Intelligence and Data Science	Yes	Artificial Intelligence and Data Science	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)

Allied Department/Cluster Name	Program Name	Program Level
Computer Science and Engineering	Computer Science and Engineering	UG

Computer Science and Engineering (Cyber Security)

Computer Science and Engineering (Cyber Security)

UG

PART-B: Program information

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

Table No. B1: Program details.

A. List of the Programs Offered by the Department:

SR.NO.	PROGRAM NAME	PROGRAM APPLIED LEVEL	YEAR OF START / YEAR OF CLOSED	SANCTIONED INTAKE	INCREASE/ DECREASE INTAKE (if any)	YEAR OF INCREASE/ DECREASE	CURRENT INTAKE	YEAR OF AICTE APPROVAL	AICTE/COMPETENT AUTHORITY ARROVAL DETAILS	ACCREDITATION STATUS	FROM	TO	NO. OF TIMES PROGRAM ACCREDITED	PROGRAM DURATION
1	Artificial Intelligence and Data Science	UG	2020 / --	60	Yes	2025	180	2025	Southern-1-44639718546/2025/EOA	Applying first time	--	--	0	4

Sanctioned Intake for Last Five Years for the Artificial Intelligence and Data Science

Academic Year	Sanctioned Intake
2025-26	180
2024-25	120
2023-24	120
2022-23	120
2021-22	90
2020-21	60

List of the Allied Departments/Cluster and Programs:

SR.NO.	ALLIED DEPARTMENT NAME	PROGRAM NAME	PROGRAM APPLIED LEVEL	YEAR OF START / YEAR OF CLOSED	SANCTIONED INTAKE	INCREASE/ DECREASE INTAKE (if any)	YEAR OF INCREASE/ DECREASE	CURRENT INTAKE	YEAR OF AICTE APPROVAL	AICTE/COMPETENT AUTHORITY ARROVAL DETAILS	ACCREDITATION STATUS	FROM	TO	NO. OF TIMES PROGRAM ACCREDITED	PROGRAM DURATION
1	Computer Science and Engineering	Computer Science and Engineering	UG	2008 / --	60	Yes	2023	240	2023	Southern-1-36239440202/2023/EOA	Granted accreditation for 3 years for the period (specify period)	2025	2028	2	4

Sanctioned Intake for Last Five Years for the Computer Science and Engineering

Academic Year	Sanctioned Intake
2025-26	240
2024-25	240
2023-24	240
2022-23	180
2021-22	180
2020-21	180

2	Computer Science and Engineering (Cyber Security)	Computer Science and Engineering (Cyber Security)	UG	2022 / --	60	No	NA	60	2022	Southern-1-10968680680/2022/EOA	Not eligible for accreditation	--	--	0	4
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SR.NO.	ALLIED DEPARTMENT NAME	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 APPROVAL DETAILS	ACCREDITATION STATUS	FROM	TO	NO. OF TIMES PROGRAM ACCREDITED	PROGRAM DURATION
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B2. Detail of Head of the Department for the program under consideration:

A. Name of the HoD :	Dr. B.Prathusha Laxmi
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)
N=Sanctioned intake of the program (as per AICTE /Competent authority)	180	120	120	120	90	60	0
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	186	126	124	123	87	59	0
N2=Number of students admitted in 2nd year in the same batch via lateral entry including leftover seats	0	3	3	4	5	0	0
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.	186	129	127	127	92	59	0

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)	180	186	0	103.33
2024-25 (CAYm1)	120	126	0	105.00
2023-24 (CAYm2)	120	124	0	103.33

Average [(ER1 + ER2 + ER3) / 3] = 103.89≅ 100

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).	95.00	60.00	0.00

B=No. of students who graduated from the program in the stipulated course duration	89.00	59.00	0.00
Success Rate (SR)= (B/A) * 100	93.68	98.33	0.00

Average SR of three batches $((SR_1 + SR_2 + SR_3)/3)$: 96.00

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)
Mean of CGPA or mean percentage of all successful students(X)	7.50	7.64	7.76
Y=Total no. of successful students	126.00	124.00	123.00
Z=Total no. of students appeared in the examination	126.00	124.00	123.00
API $[X*(Y/Z)]$	7.50	7.64	7.76

Average API $[(AP1+AP2+AP3)/3]$: 7.63

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)	7.60	7.80	7.97
Y=Total no. of successful students	124.00	127.00	91.00
Z=Total no. of students appeared in the examination	127.00	127.00	92.00
API $[X * (Y/Z)]$	7.42	7.80	7.88

Average API $[(AP1 + AP2 + AP3)/3]$: 7.70

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)	7.77	7.93	8.73
Y=Total no. of successful students	127.00	91.00	59.00
Z=Total no. of students appeared in the examination	127.00	91.00	59.00
API $[X*(Y/Z)]$:	7.77	7.93	8.73

Average API $[(AP1 + AP2 + AP3)/3]$: 8.14

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	95.00	60.00	0.00
X=No. of students placed	72.00	41.00	0.00
Y=No. of students admitted to higher studies	12.00	13.00	0.00
Z= No. of students taking up entrepreneurship	0.00	0.00	0.00
Placement Index(P) = $((X + Y + Z)/FS) * 100$:	88.42	90.00	0.00

Average Placement Index = $(P_1 + P_2 + P_3)/3$: 89.21 Placement Index Points:

PART C: Faculty Details in Department and Allied Departments (Data to be filled in for the Department and Allied Departments)

C1. Faculty details of Department and Allied Departments

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

Sr.No	Name of the Faculty	PAN No.	Highest degree	University	Area of Specialization	Date of Joining in this Institution	Experience in years in current institute	Designation at Time Joining in this Institution	Present Designation	The date on which Designated as Professor/ Associate Professor if any	Nature of Association (Regular/ Contract/ Ad hoc)	Currently Associated (Y/N)	In case of NO, Date of Leaving	IS HOD?
1	Dr. B.Prathusha Laxmi	XXXXXXXX37A	Ph.D	Anna University	Wireless Sensor Network	02/08/2021	4.7	Associate Professor	Professor	01/08/2022	Regular	Yes		Yes
2	Dr. Vijayaraja V	XXXXXXXX50N	Ph.D	St.Peter's University	Wireless Sensor Network	06/08/2022	3.7	Professor	Professor	06/08/2022	Regular	Yes		No
3	Dr. K.Balachander	XXXXXXXX82B	Ph.D	Anna University	Big Data Analytics	17/07/2024	1.7	Associate Professor	Associate Professor	17/07/2024	Regular	Yes		No
4	Dr. Cornelius K	XXXXXXXX97J	Ph.D	St. Peter's Institute of Higher Education and Research	Big Data Analytics	02/12/2024	1.3	Associate Professor	Associate Professor	02/12/2024	Regular	Yes		No
5	Dr. Aiyshwariya Devi R	XXXXXXXX73P	Ph.D	Dr. M.G.R. Educational and Research Institute	IoT Device Security	10/07/2024	1.7	Associate Professor	Associate Professor	10/07/2024	Regular	Yes		No
6	Dr. Sangeetha G	XXXXXXXX29R	Ph.D	Anna University	Cloud Computing and Machine Learning	03/08/2022	3.7	Associate Professor	Associate Professor	03/08/2022	Regular	Yes		No
7	Dr. Josephin Shermila P	XXXXXXXX34B	Ph.D	Anna University	Machine Learning, Deep Learning and Artificial Intelligence	11/08/2021	4.6	Associate Professor	Associate Professor	11/08/2021	Regular	Yes		No
8	Dr. Mary Selvan	XXXXXXXX41K	Ph.D	Anna University	Machine Learning	06/08/2022	3.7	Assistant Professor	Associate Professor	02/02/2026	Regular	Yes		No
9	Ms. Karpagam T	XXXXXXXX73Q	M.Tech	SRM University	Computer Science and Engineering	21/08/2021	4.6	Assistant Professor	Assistant Professor		Regular	Yes		No
10	Ms. Mageshwari G	XXXXXXXX00H	M.Tech	Karunya University	Software Engineering	06/08/2022	3.7	Assistant Professor	Assistant Professor		Regular	Yes		No
11	Ms Akila A	XXXXXXXX40P	M.E.	Anna University	Computer Science and Engineering	12/08/2021	4.6	Assistant Professor	Assistant Professor		Regular	Yes		No
12	Dr. Maria Michael Visuwasam L	XXXXXXXX24K	Ph.D	Anna University	Big Data and Cloud Computing	27/08/2021	4.6	Assistant Professor	Associate Professor	02/09/2024	Regular	Yes		No
13	Dr. Seethalakshmi V	XXXXXXXX69C	Ph.D	Pondicherry University	Big Data	05/01/2023	3.2	Associate Professor	Associate Professor	05/01/2023	Regular	Yes		No
14	Ms. Subi S	XXXXXXXX59E	M.E.	Anna University	Computer Science and Engineering	05/01/2023	3.2	Assistant Professor	Assistant Professor		Regular	Yes		No

15	Ms. Ramijaanaki S	XXXXXXXX35Q	M.E.	Anna University	Computer Science and Engineering	08/02/2023	2.5	Assistant Professor	Assistant Professor		Regular	No	16/07/2025	No
16	Ms. Bhuvanewari J	XXXXXXXX56Q	M.E.	Anna University	Computer Science & Engineering	01/09/2023	2.6	Assistant Professor	Assistant Professor		Regular	Yes		No
17	Ms. Jency A	XXXXXXXX64C	M.E.	Anna University	Computer Science and Engineering	27/10/2022	3.4	Assistant Professor	Assistant Professor		Regular	Yes		No
18	Mr. Raghavendran N	XXXXXXXX06F	M.E.	Anna University	Computer Science and Engineering	18/07/2024	1.7	Assistant Professor	Assistant Professor		Regular	Yes		No
19	Ms. Saranya M	XXXXXXXX50G	M.E.	Anna University	Computer Science and Engineering	26/08/2021	2.8	Assistant Professor	Assistant Professor		Regular	No	30/04/2024	No
20	Ms. Narahari Vani	XXXXXXXX01A	M.Tech	JNTUA University	Machine Learning	10/07/2024	1.8	Assistant Professor	Assistant Professor		Regular	Yes		No

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

Sr.No	Name of the Faculty	PAN No.	APAAR faculty ID*(if any)	Highest degree	University	Area of Specialization	Date of Joining in this Institution	Experience in years in current institute	Designation at Time Joining in this Institution	Present Designation	The date on which Designated as Professor/ Associate Professor if any	Nature of Association (Regular/ Contract/ Ad hoc)	Currently Associated (Y/N)	In case of NO, Date of Leaving	IS HOD?
1	Dr. Udhaya Sankar S M	XXXXXXXX68N	XXXXXXXXXX743	Ph.D	Anna University	Information Security	09/06/2023	2.9	Professor	Professor	09/06/2023	Regular	Yes		Yes
2	Dr. Dharini N	XXXXXXXX40C	XXXXXXXXXX884	Ph.D	Anna University	Information Security	04/08/2023	2.7	Associate Professor	Associate Professor	04/08/2023	Regular	Yes		No
3	Dr. Vendhan D	XXXXXXXX41G	XXXXXXXXXX199	Ph.D	Anna University	Wireless Network Security, AI in Cyber Security	02/07/2025	0.8	Assistant Professor	Assistant Professor		Regular	Yes		No
4	Mr. Vinoth Kumar V	XXXXXXXX68L	XXXXXXXXXX695	M.Tech	Anna University	Wireless Sensor Network	05/07/2024	1.8	Assistant Professor	Assistant Professor		Regular	Yes		No
5	Mr. Karthikeyan M	XXXXXXXX40G	XXXXXXXXXX491	M.Tech	Anna University	Cryptography	23/03/2023	2.11	Assistant Professor	Assistant Professor		Regular	Yes		No
6	Mr. Rajesh Kumar K	XXXXXXXX07K	XXXXXXXXXX905	M.E.	Sathyabama University	AI in Cyber Security	12/07/2024	1.8	Assistant Professor	Assistant Professor		Regular	Yes		No
7	Mr. Senthil Kumar D	XXXXXXXX60F	XXXXXXXXXX645	M.E.	Anna University	Network Security	15/02/2024	2	Assistant Professor	Assistant Professor		Regular	Yes		No
8	Ms. Monisha J	XXXXXXXX42K	XXXXXXXXXX741	M.E.	Anna University	Network Security	30/08/2024	1.6	Assistant Professor	Assistant Professor		Regular	Yes		No
9	Ms. Monica G K	XXXXXXXX15R	XXXXXXXXXX932	M.E.	Anna University	Network Security	16/06/2025	0.8	Assistant Professor	Assistant Professor		Regular	Yes		No
10	Ms. Revathi A	XXXXXXXX06D	XXXXXXXXXX100	M.Tech	Anna University	Wireless Network	05/06/2025	0.9	Assistant Professor	Assistant Professor		Regular	Yes		No

11	Ms. Rashmi P	XXXXXXXX98C	XXXXXXXXXX798	M.E.	Anna University	Wireless Network	21/06/2024	0.11	Assistant Professor	Assistant Professor		Regular	No	28/05/2025	No
12	Ms. Lekha D	XXXXXXXX08D	XXXXXXXXXX957	M.E.	Anna University	Machine Learning	24/12/2020	5.2	Assistant Professor	Assistant Professor		Regular	Yes		No
13	Dr. S. Sankar Ganesh	XXXXXXXX28H	XXXXXXXXXX174	Ph.D	Anna University	Computer Vision	01/07/2024	1.5	Professor	Professor	01/07/2024	Regular	No	13/12/2025	No
14	Dr. Vigilson Prem M	XXXXXXXX92H	XXXXXXXXXX843	Ph.D	Anna University	Agent Computing	01/06/2017	8.9	Professor	Professor	01/06/2017	Regular	Yes		No
15	Dr. Ramar K	XXXXXXXX52K	XXXXXXXXXX545	Ph.D	Manonmaniam Sundaranar University	Image Processing and Cloud Computing	23/06/2021	4.8	Professor	Professor	23/06/2021	Regular	Yes		No
16	Dr. Rajaguru R	XXXXXXXX11E	XXXXXXXXXX347	Ph.D	Anna University	Wireless Communication	28/05/2025	0.9	Professor	Professor	28/05/2025	Regular	Yes		No
17	Dr. Umamaheswari G	XXXXXXXX33A	XXXXXXXXXX295	Ph.D	Anna University	Image Processing	04/03/2022	4	Professor	Professor	04/03/2022	Regular	Yes		No
18	Dr. Arun Manicka Raja M	XXXXXXXX35C	XXXXXXXXXX419	Ph.D	Anna University	Stream Data Analytics	10/07/2017	8.8	Assistant Professor	Associate Professor	01/08/2022	Regular	Yes		No
19	Dr. Rejin Paul N R	XXXXXXXX07R	XXXXXXXXXX196	Ph.D	Anna University	Cloud Computing	11/07/2018	7.8	Assistant Professor	Associate Professor	01/12/2022	Regular	Yes		No
20	Dr. Ponnuriji N P	XXXXXXXX81D	XXXXXXXXXX379	Ph.D	Anna University	Cloud Computing	09/03/2023	3	Associate Professor	Associate Professor	09/03/2023	Regular	Yes		No
21	Dr. Indra G	XXXXXXXX07N	XXXXXXXXXX302	Ph.D	Anna University	Machine Learning	26/06/2013	12.8	Assistant Professor	Associate Professor	01/09/2023	Regular	Yes		No
22	Dr. Pranamita Nanda	XXXXXXXX77N	XXXXXXXXXX833	Ph.D	Anna University	Image Processing	08/01/2024	2.2	Associate Professor	Associate Professor	08/01/2024	Regular	Yes		No
23	Dr. Gnana Jeslin J	XXXXXXXX12D	XXXXXXXXXX951	Ph.D	Anna University	Cloud Computing	05/08/2021	4.7	Assistant Professor	Associate Professor	01/11/2023	Regular	Yes		No
24	Dr. Prasath R	XXXXXXXX24G	XXXXXXXXXX423	Ph.D	Anna University	Image Processing	11/07/2024	1.8	Associate Professor	Associate Professor	11/07/2024	Regular	Yes		No
25	Dr. Vinoth R	XXXXXXXX63G	XXXXXXXXXX445	Ph.D	Anna University	Cloud Computing	11/07/2024	1.8	Associate Professor	Associate Professor	11/07/2024	Regular	Yes		No
26	Dr. Shameem Fathima A	XXXXXXXX05E	XXXXXXXXXX580	Ph.D	Manonmaniam Sundaranar University	Machine Learning	03/06/2025	0.9	Associate Professor	Associate Professor	03/06/2025	Regular	Yes		No
27	Dr. Sheela Rani P	XXXXXXXX02F	XXXXXXXXXX493	Ph.D	Anna University	Block Chain	02/07/2025	0.8	Associate Professor	Associate Professor	02/07/2025	Regular	Yes		No
28	Dr. Gladis Pushparathi V P	XXXXXXXX85J	XXXXXXXXXX276	Ph.D	Anna University	Machine Learning	09/07/2025	0.8	Associate Professor	Associate Professor	09/07/2025	Regular	Yes		No
29	Dr. Anish T P	XXXXXXXX78E	XXXXXXXXXX958	Ph.D	Anna University	Machine Learning	11/08/2021	4.7	Assistant Professor	Assistant Professor		Regular	Yes		No
30	Mr. Jemin V M	XXXXXXXX95E	XXXXXXXXXX887	M.E.	Anna University	Computer Vision	21/02/2020	6	Assistant Professor	Assistant Professor		Regular	Yes		No
31	Ms. Saranya R	XXXXXXXX05B	XXXXXXXXXX756	M.E.	Anna University	Machine Learning	22/02/2020	6	Assistant Professor	Assistant Professor		Regular	Yes		No
32	Ms. Kathija Nasreen A	XXXXXXXX89Q	XXXXXXXXXX841	M.E.	Anna University	Deep Learning	24/12/2020	5.2	Assistant Professor	Assistant Professor		Regular	Yes		No

33	Ms. R. Sandhya	XXXXXXXX09H	XXXXXXXXXX231	M.E.	Anna University	Machine Learning	02/08/2021	4.7	Assistant Professor	Assistant Professor		Regular	Yes		No
34	Ms. Manjula G	XXXXXXXX37F	XXXXXXXXXX129	M.E.	Anna University	Computer Vision	03/08/2021	4.7	Assistant Professor	Assistant Professor		Regular	Yes		No
35	Ms. Jaya Bharathi R	XXXXXXXX60G	XXXXXXXXXX182	M.E.	Anna University	Computer Vision	06/08/2021	4.7	Assistant Professor	Assistant Professor		Regular	Yes		No
36	Ms. Sangeetha A	XXXXXXXX75P	XXXXXXXXXX143	M.E.	Anna University	Image Processing and Deep Learning	06/01/2022	4.2	Assistant Professor	Assistant Professor		Regular	Yes		No
37	Ms. KalaiPRIYA V	XXXXXXXX01J	XXXXXXXXXX958	M.E.	Sathyabama University	Machine Learning	01/07/2022	3.8	Assistant Professor	Assistant Professor		Regular	Yes		No
38	Ms. Sreelekha P	XXXXXXXX50P	XXXXXXXXXX930	M.Tech	JNTU	Machine Learning	06/08/2022	3.7	Assistant Professor	Assistant Professor		Regular	Yes		No
39	Ms. Vithya V T	XXXXXXXX00F	XXXXXXXXXX379	M.E.	Anna University	Machine Learning	22/08/2022	3.6	Assistant Professor	Assistant Professor		Regular	Yes		No
40	Ms. Aparna P	XXXXXXXX26B	XXXXXXXXXX904	M.E.	St. Peter's University	Machine Learning	08/08/2022	3.7	Assistant Professor	Assistant Professor		Regular	Yes		No
41	Mr. Prem Kumar R	XXXXXXXX89L	XXXXXXXXXX298	M.E.	Anna University	Machine Learning	13/07/2022	3.7	Assistant Professor	Assistant Professor		Regular	Yes		No
42	Mr. Anto Gracious L A	XXXXXXXX56F	XXXXXXXXXX401	M.Tech	Anna University	Machine Learning	06/08/2022	3.7	Assistant Professor	Assistant Professor		Regular	Yes		No
43	Ms. Yuvasri B	XXXXXXXX65H	XXXXXXXXXX932	M.E.	Anna University	Computer Vision	08/02/2023	3.1	Assistant Professor	Assistant Professor		Regular	Yes		No
44	Ms. Shanthasheela S	XXXXXXXX30R	XXXXXXXXXX457	M.E.	Sathyabama University	Computer Science	10/07/2024	1.8	Assistant Professor	Assistant Professor		Regular	Yes		No
45	Ms. Jeyarathinam J	XXXXXXXX87F	XXXXXXXXXX203	M.Tech	Sathyabama University	Network Security	25/07/2024	1.7	Assistant Professor	Assistant Professor		Regular	Yes		No
46	Ms. Gokila E	XXXXXXXX41K	XXXXXXXXXX262	M.Tech	Kalasalingam University	Machine Learning	02/06/2025	0.9	Assistant Professor	Assistant Professor		Regular	Yes		No
47	Mr Suresh Babu K	XXXXXXXX22J	XXXXXXXXXX971	M.E.	Anna University	Networks	25/08/2025	0.6	Assistant Professor	Assistant Professor		Regular	Yes		No
48	Dr Valarmathie P	XXXXXXXX19G	NA	Ph.D	Anna University	Data Mining	17/06/2022	2	Professor	Professor	17/06/2022	Regular	No	29/06/2024	No
49	Dr Kalaiselvi R	XXXXXXXX75L	NA	Ph.D	Anna University	Cloud Computing	01/06/2022	2	Associate Professor	Associate Professor	01/06/2022	Regular	No	29/06/2024	No
50	Dr Kalaimagal S	XXXXXXXX39E	NA	Ph.D	Anna University	Cloud Computing	04/07/2022	1.11	Associate Professor	Associate Professor	04/07/2022	Regular	No	29/06/2024	No
51	Mr Naresh Sammeta	XXXXXXXX54J	NA	M.E.	Anna University	Cloud Computing	05/05/2011	12.1	Assistant Professor	Associate Professor	04/12/2013	Regular	No	16/06/2023	No
52	Mr Madhu A	XXXXXXXX02M	NA	M.E.	Anna University	Computer Networks	18/06/2012	10.11	Assistant Professor	Associate Professor	20/06/2019	Regular	No	15/06/2023	No
53	Dr Sivasubramanian R	XXXXXXXX49E	NA	Ph.D	Anna University	Data Analytics	15/02/2023	2.3	Associate Professor	Associate Professor	15/02/2023	Regular	No	28/05/2025	No
54	Ms Nithya A	XXXXXXXX59K	NA	M.E.	Anna University	Machine Learning	18/07/2022	1.11	Assistant Professor	Assistant Professor		Regular	No	29/06/2024	No

55	Mr Mohan D	XXXXXXXX92Q	NA	M.E.	Anna University	Computer Science	11/07/2022	2.10	Assistant Professor	Assistant Professor		Regular	No	28/05/2025	No
56	Dr. Raja Suguna M	XXXXXXXX70K	NA	Ph.D	Saveetha University	Machine Learning	23/08/2021	3.9	Assistant Professor	Associate Professor	03/10/2023	Regular	No	28/05/2025	No
57	Dr Ramalakshmi R	XXXXXXXX95D	NA	Ph.D	Anna University	Machine Learning	22/12/2025	0.2	Associate Professor	Associate Professor	22/12/2025	Regular	Yes		No
58	Dr. G.Vasuki Devi	XXXXXXXX71R	NA	Ph.D	Anna University	Computer Networks	05/03/2010	13.5	Assistant Professor	Associate Professor	01/02/2023	Regular	No	08/08/2023	No
59	Mr. Praveen D S	XXXXXXXX19B	NA	M.E.	Anna University	Computer Networks	11/01/2020	3.5	Assistant Professor	Assistant Professor		Regular	No	30/06/2023	No
60	Ms. Kalyani N	XXXXXXXX80F	NA	M.E.	Anna University	Computer Vision	04/08/2021	1.10	Assistant Professor	Assistant Professor		Regular	No	28/06/2023	No
61	Ms. Shankari S	XXXXXXXX67B	NA	M.E.	Anna University	Machine Learning	01/07/2022	0.11	Assistant Professor	Assistant Professor		Regular	No	15/06/2023	No
62	Ms. Judithreya M	XXXXXXXX39N	NA	M.Tech	Sathyabama University	Machine Learning	01/07/2022	0.11	Assistant Professor	Assistant Professor		Regular	No	15/06/2023	No
63	Ms. Jemi Gold P	XXXXXXXX89A	XXXXXXXXXX575	M.E.	Anna University	Machine Learning	05/07/2019	6.8	Assistant Professor	Assistant Professor		Regular	Yes		No

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 Department3 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	123	123	124
UG1.C	123	124	95
UG1.D	124	95	60
UG1: Artificial Intelligence and Data Science	370	342	279
UG2.B	63	60	60
UG2.C	60	60	0
UG2.D	60	0	0
UG2: Computer Science and Engineering (Cyber Security)	183	120	60
UG3.B	251	240	184

Description	CAY(2025-26)	CAYm1 (2024-25)	CAYm2 (2023-24)
UG3.C	240	184	187
UG3.D	184	187	181
UG3: Computer Science and Engineering	675	611	552
DS=Total no. of students in all UG and PG programs in the Department	370	342	279
AS=Total no. of students of all UG and PG programs in allied departments	858	731	612
S=Total no. of students in the Department (DS) and allied departments (AS)	S1= 1228	S2= 1073	S3= 891
DF=Total no. of faculty members in the Department	18	18	14
AF= Total no. of faculty members in the allied Departments	46	42	35
F=Total no. of faculty members in the Department (DF) and allied Departments (AF)	F1= 64	F2= 60	F3= 49
FF=The faculty members in F who have a 100% teaching load in the first-year courses	2	0	0
Student Faculty Ratio (SFR)=S/(F-FF)	SFR1= 19.81	SFR2= 17.88	SFR3= 18.18
Average SFR for 3 years	SFR= 18.62		

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)	28	36	61.00	17.38
2024-25(CAYm1)	24	36	53.00	18.11
2023-24(CAYm2)	18	31	44.00	17.27

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	6.00	7.00	13.00	19.00	40.00	38.00
2024-25	5.00	7.00	11.00	16.00	35.00	37.00
2023-24	4.00	7.00	9.00	10.00	29.00	32.00
Average	RF1=5.00	AF1=7.00	RF2=11.00	AF2=15.00	RF2=34.67	AF2=35.67

C5. Visiting/Adjunct Faculty/Professor of Practice

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

(CAYm1)

S.No	Name of the Person	Designation	Organization	Name of the Course	No. of hours handled
1	Mr. Sriram G	Senior Manager	STRADA	22CS313 - Product Development Lab - 3	36.00
2	Mr. Sriram G	Senior Manager	STRADA	22CS413 - Product Development Lab - 4	40.00

(CAYm2)

S.No	Name of the Person	Designation	Organization	Name of the Course	No. of hours handled
1	Mr. Sriram G	Senior Manager	STRADA	21CS513 - Mini Project and Design Thinking Lab	40.00
2	Mr. Sriram G	Senior Manager	STRADA	22CS413 - Product Development Lab - 4	40.00

(CAYm3)

S.No	Name of the Person	Designation	Organization	Name of the Course	No. of hours handled
1	Mr.Sriram G	Senior Manager	Alight Solutions	21AI311 - Mini Project	30.00
2	Mr.Sriram G	Senior Manager	Alight Solutions	AD8612-Socially Relavant Project	36.00

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	14	12	10
2	No. of peer reviewed conference papers published	29	10	10
3	No. of books/book chapters published	9	10	5

C7. Sponsored Research Project

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

(CAYm1)

PI Name	Co-PI names if any	Name of the Dept., where project is sanctioned	Project Title*	Name of the Funding agency	Duration of the project	Amount(Lacs) i.e. 15,25,000=15.25
Dr. JOSEPHIN SHERMILA P	Aswini C S, Grace Benita G, Evangeline A, Sushanth Kumar Thakur A	AI & DS	Women's Safety Analytics	MSME	1 year	1500000.00
Dr. MARIA MICHAEL VISUWASAM L	Anusha A Dikshitha V	AI & DS	AI-Driven Cultural Artifact Recognition App	MSME	1 year	1500000.00
Dr. SEETHALAKSHMI.V	Dakshin Raja, Ravindra Sai, Cherukuru Yuvanesh, Tejesh Sai Kulala Munaswamy	AI & DS	Brain Tumor Detection Using CNN	TNSCST	6 months	7500.00
Dr. MARIA MICHAEL VISUWASAM L	Sirajudeen A Sharavanan L Sudhir Mahaaraja S Aswin Raj V S	AI & DS	Social Distancing using Yolo	TNSCST	6 months	7500.00
						Amount received (Rs.):3015000.00

(CAYm2)

(CAYm3)

Total Amount (Lacs) Received for the Past 3 Years: 3015000.00

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. SANGEETHA.G	Nil	AI & DS	Mobile App Development for E-Commerce Platforms with integrated Chatbot Functionality	Southern Enterprises	5 months	0.60
Dr. JOSEPHIN SHERMILA P	Nil	AI & DS	Geo Spatial Analysis of Engineering College Distribution and Academic Performance in Tamilnadu	Frank & David Labs Pvt.Ltd.	3 months	0.53
Dr. SEETHALAKSHMI.V	Nil	AI & DS	Personalized Product Recommendation Engines Using AI in Mobile Apps	Compunet Connections	3 months	0.51
Dr. BALACHANDER.K	Nil	AI & DS	Implementing Biometric Attendance System	N.V.R Educational And Charitable Trust	2 months	0.52
Dr. AIYSHWARIYA DEVI.R	Nil	AI & DS	Online Book Rental Software Project and Payment	The Grandha Vahak Company	2 months	0.52
Dr. MARY SELVAN	Nil	AI & DS	Customer Relationship Management	Sai Smart Kidz	3 months & 23 Days	0.51
Ms.JENCY.A	Nil	AI & DS	Resource Utilization Management	Sai Smart Kidz	3 months & 23 Days	0.51
Ms. MAGESHWARI G	Nil	AI & DS	AI-Powered Optimization of Customer Service Operations	Sai Smart Kidz	3 months & 23 Days	0.51
Ms BHUVANESWRI J	Nil	AI & DS	Incorporating AI driven features to revolutionize User Engagement in Web Design.	Southern Enterprises	5 months	0.60
						Amount received (Rs.):4.81

(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. SANGEETHA.G	Nil	AI & DS	Integration of Interactive Element for Enhanced User Engagement for Web Design	Sri MK Traders	3 months	0.60
Dr. JOSEPHIN SHERMILA P	Nil	AI & DS	Engineering Education in Tamil Nadu - A Study of the Critical Success Factors	ZyNerd, Frank and David Labs Pvt. Ltd.,	3 months	0.52
Dr. SEETHALAKSHMI.V	Nil	AI & DS	Development of an AI-enabled E-learning and course certification Platform	Adzis Software Technologies	3 months	0.51
Dr. MARIA MICHAEL VISUVASAM.L	Nil	AI & DS	Development of Automatic Speech Recognition Technologies and Language Identification Technologies	Adzis Software Technologies	3 months	0.26
Dr. MARY SELVAN	Nil	AI & DS	Stock Management System	Zion Industries	3 months	0.30
Ms.KARPAGAM.T	Nil	AI & DS	Development of web design	Adzis Software Technologies	2 months	0.26
Ms. JENCY.A	Nil	AI & DS	Attendance Management System	Zion Industries	2 months	0.30
Ms. MAGESHWARI.G	Nil	AI & DS	Design and Develop a Speech Technology	Adzis Software Technologies	2 months	0.30
						Amount received (Rs.):3.05

(CAYm3)

PI Name	Co-PI names if any	Name of the Dept., where project is sanctioned	Project Title*	Name of the Funding agency	Duration of the project	Amount(Lacs) i.e. 15,25,000=15.25
Dr. PRATHUSHA LAXMI.B	Nil	AI & DS	Management System	Adzis Software Technologies	3 months	0.50
Dr. JOSEPHIN SHERMILA P	Nil	AI & DS	IOT Remote Plant Monitoring System for Data Processing using VI Graphical Programming with LABView	Info Mes Digital Automation Pvt. Ltd.,	3 months	0.50
Dr.SANGEETHA.G	Nil	AI & DS	E Commerce Website Design with Login Authentication	Adzis Software Technologies	3 months	0.50
Dr. MARIA MICHAEL VISUVASAM L	Nil	AI & DS	Development of an Ontology for Student Learning Experience	Adzis Software Technologies	2 months	0.26
Ms. KARPAGAM	Nil	AI & DS	E-Authentication System	Adzis Software Technologies	2 months	0.26
Ms. AKILA.A	Nil	AI & DS	Apartment Management System	MAK Builders	2 months	0.30
						Amount received (Rs.):2.32

Total amount (Lacs) received for the past 3 years: 10.18

Note*:

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

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

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

(CAYm1)

Faculty name	Project title/ Support for Activity	Duration of the project	Amount(Lacs) i.e. 15,25,000=15.25	Amount Utilized(Lacs) i.e. 15,25,000=15.25	Outcomes of the project
Dr. PRATHUSHA LAXMI B	Deep Learning Approaches to Combat Deep Fake Proliferation	11 Months	1.20	1.20	Deep learning models for deep fake detection were developed and validated through experimental analysis
			Amount received (Rs.): 1.20		

(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. PRATHUSHA LAXMI B	Smart Farming with Sooty Tern Optimization based LS-HGNet Classification Model	10 months	0.71	0.64	Research has been done in smart farming classification models
Dr. JOSEPHIN SHERMILA P	Optimization of Agriculture Using Data Science and Machine Learning	6 months	0.07	0.07	Conducted research on optimization of Agriculture and published the work in IEEE Xplore.
Dr. JOSEPHIN SHERMILA P	Lung Tumor Detection Using Deep Convolutional Neural Network	6 months	0.07	0.07	Conducted research on lung tumour detection, and published the work in IEEE Xplore.
Dr. JOSEPHIN SHERMILA P	Food Item Classification Using Sooty Tern optimized Deep Learning Network	11 months	0.35	0.33	Research has been done in food item classification using deep learning and article got published
			Amount received (Rs.): 1.20		

(CAYm3)

Faculty name	Project title/ Support for Activity	Duration of the project	Amount(Lacs) i.e. 15,25,000=15.25	Amount Utilized(Lacs) i.e. 15,25,000=15.25	Outcomes of the project
Dr. PRATHUSHA LAXMI B	Text Summarizer Using Machine Learning	9 months	0.97	0.95	Research has been done in machine learning-based text summarization
Dr. JOSEPHIN SHERMILA P	Pneumonia Detection from X- Ray Images using Convolutional Neural Networks	6 months	0.07	0.07	Research on pneumonia detection from X-ray images using Convolutional Neural Networks was successfully completed and published in IEEE Xplore.
Dr. JOSEPHIN SHERMILA P	Brain Tumour Detection from MRI Images Using Deep CNN	7 months	0.07	0.07	Research on Brain Tumour Detection was successfully completed and published in IEEE xplore
			Amount received (Rs.): 1.11		

Total amount (Lacs) received for the past 3 years : 3.51

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	Artificial Intelligence Lab (CP Lab VI Bay - I)	62	SYSTEM DETAILS HP Z1 G9 TOWER WORKSTATION INTEL CORE i9-14900/32GB RAM/NVIDIA GeForce RTX 4090 64GB DDR5/32GB DDR4/1TB SATA	30Hrs	Ms. Kalaivani	Lab Assistant	B.E
2	Data Science Lab (CP Lab VI Bay -II)	43	SYSTEM DETAILS HP Z1 G9 TOWER WORKSTATION INTEL CORE i9-14900/32GB RAM/NVIDIA GeForce RTX 4090 64GB DDR5/32GB DDR4/1TB SATA	30Hrs	Mr. K.E. Sathish	Lab Assistant	B.E
3	NLP Lab (CP Lab III Bay -1)	63	SERVER DETAILS HP PRO TOWER 280 G9- CI7-12700/16GB/512 GB/ SSD/ HP P204v /19.5 inch MONITOR /4x11.7 inch Color with 16 GB SYSTEM	30Hrs	Ms. Pavani A	Lab Assistant	M.C.A
4	Operating System Lab (CP Lab III Bay -II)	43	SERVER DETAILS HP PRO TOWER 280 G9- CI7-12700/16GB/512 GB/ SSD/ HP P204v /19.5 inch MONITOR /4x11.7 inch Color with 16 GB SYSTEM	30Hrs	Ms. Sravani N	Lab Assistant	B.Sc(CS)

D2. Safety Measures in Laboratories

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

Sr. No	Laboratory Name	Safety Measures
1	Artificial Intelligence Lab (CP Lab VI - Bay - I)	<ul style="list-style-type: none"> • Rights and Responsibilities inside Laboratories are Displayed • Students are instructed to follow the proper Lab dress codes. • First aid boxes and fire extinguishers are available in the lab and it is maintained and replenished periodically. • Necessary First Aid training is provided to the lab instructors. • Proper insulation of electric power lines is ensured • All electrical equipment and components are inspected and approved by competent authority. • Uninterrupted power supply is provided to the computers in the laboratories. • Regular backup of data and information is taken. • A gateway antivirus is installed in the firewall to filter unnecessary activities and to restrict unwanted sites

2	Data Science Lab (CP Lab VI - Bay - II)	<ul style="list-style-type: none"> • Rights and Responsibilities inside Laboratories are Displayed • Students are instructed to follow the proper Lab dress codes. • First aid boxes and fire extinguishers are available in the lab and it is maintained and replenished periodically. • Necessary First Aid training is provided to the lab instructors. • Proper insulation of electric power lines is ensured • All electrical equipment and components are inspected and approved by competent authority. • Uninterrupted power supply is provided to the computers in the laboratories. • Regular backup of data and information is taken. • A gateway antivirus is installed in the firewall to filter unnecessary activities and to restrict unwanted sites
3	NLP Lab (CP Lab III Bay -I)	<ul style="list-style-type: none"> • Rights and Responsibilities inside Laboratories are Displayed • Students are instructed to follow the proper Lab dress codes. • First aid boxes and fire extinguishers are available in the lab and it is maintained and replenished periodically. • Necessary First Aid training is provided to the lab instructors. • Proper insulation of electric power lines is ensured • All electrical equipment and components are inspected and approved by competent authority. • Uninterrupted power supply is provided to the computers in the laboratories. • Regular backup of data and information is taken. • A gateway antivirus is installed in the firewall to filter unnecessary activities and to restrict unwanted sites
4	Operating System Lab (CP Lab III Bay -II)	<ul style="list-style-type: none"> • Rights and Responsibilities inside Laboratories are Displayed • Students are instructed to follow the proper Lab dress codes. • First aid boxes and fire extinguishers are available in the lab and it is maintained and replenished periodically. • Necessary First Aid training is provided to the lab instructors. • Proper insulation of electric power lines is ensured • All electrical equipment and components are inspected and approved by competent authority. • Uninterrupted power supply is provided to the computers in the laboratories. • Regular backup of data and information is taken. • A gateway antivirus is installed in the firewall to filter unnecessary activities and to restrict unwanted sites

D3. Project Laboratory/Research Laboratory

7.5 Project laboratory/research laboratory /centre of excellence

S.No.	Name of the Laboratory
1.	Advance Technologies Lab (CP Lab VI - Bay III) - Utilized for Project activities
2.	Research Centre (CP Lab VI - Bay IV) - Utilized for Research activities
3.	Centre of Excellence Lab (CP Lab I) - Cognizant – Centre of Excellence
4.	IDEA Lab

Table No. 7.5.1: List of Project Laboratory/Research Laboratory /Centre of Excellence

S.No.	Name of the Laboratory	Configuration	Purpose & Utilization	Outcomes
1.	Advance Technologies Lab	HP Z1 TWR G9 IDS WKS-C19 12900/16GB/512GB HP P27 G5 FHD Monitor (Intel i9 12 th Gen With 16 GB Ram) (16 Nos) Z2 TOWER G5 TWR i9-10900 16 GB RAM/8 GB Graphic 27" Monitor (Intel i9 10 th Gen With 16 GB Ram) (18 Nos)	100% This lab enables students to apply technical, analytical, and problem-solving skills to design, develop, and implement a complete project addressing real-world challenges.	PO1, PO2, PO3, PO4, PO5, PO6, PO7, PO8, PO9, PO11, PSO1, PSO2
2.	Research Lab	HP INTEL CORE ULTRA 7-RAM-32GB265- 2.40 GHz. (Intel Ultra 7 1 st Gen With 32 GB Ram) (30 Nos)	100% Research Centre lies in its ability to drive knowledge creation, innovation, and the development of solutions that benefit both society and the economy. It enhances collaboration, fosters talent, and plays a key role in solving the critical challenges of the present and future.	PO1, PO5, PO9, PO11, PSO1
3.	Cognizant – CoE	iMac 21.6" Quad-core-i5 2.7 GH/8 GB/1 TB/ Intel iris Pro Graphics/ WLMKB (APPLE iMAC Systems) (30 Nos)	100% Cognizant CoE is established to upskill students based on the industry requirements for students selected through campus drive.	PO1, PO2, PO5, PO9, PO11, PSO1, PSO2
4.	IDEA Lab	HP i7 12TH GEN CPU, 16 GB RAM, 512 GB SSD (10 Nos)	100% The center serves as a hub for provide innovative knowledge	PO1, PO2, PO5, PO9, PO11, PSO1, PSO2

7.5.1. Project Laboratory

The Project Laboratory provides a conducive environment for students to carry out innovative, research-oriented, and industry-relevant projects in emerging areas of Artificial Intelligence and Data Analytics. The laboratory is equipped with the necessary computing facilities, software tools, and technical resources to support project development in domains such as Machine Learning, Deep Learning, Data Science, Natural Language Processing,

Generative AI, and other Applied AI applications.

A total of **19 projects** were carried out by Batch 2020–24, **25 projects** by Batch 2021–25, and **35 projects** by Batch 2022–26. The steady increase in the number of projects demonstrates the effective utilization of the Project Laboratory facilities and the growing student interest in advanced and interdisciplinary technology domains.



Figure 7.5.1 Project Laboratory

7.5.2. Research Laboratory

The Research Laboratory of the department provides a supportive ecosystem for promoting research, innovation, publication activities, and higher studies among faculty members and students. The laboratory is equipped with advanced computing facilities, research software tools, high-speed internet connectivity, and access to journals and digital resources that facilitate quality research in emerging areas of technology.

The research facilities encourage faculty and students to undertake innovative research work leading to publications in peer-reviewed journals, conference proceedings, and book chapters. In addition, the laboratory environment motivates students and faculty members to pursue doctoral research and contribute to knowledge creation in their respective domains.

During the assessment years, the department has shown consistent research contributions through quality publications and active involvement in doctoral research activities. A total of **14, 16, and 15 peer-reviewed journal papers** were published during CAYm1, CAYm2, and CAYm3 respectively. Similarly, **29, 9, and 9 peer-reviewed conference papers** and **9, 6, and 2 books/book chapters** were published during the respective years.

The department also encourages higher education and research progression among students. During the assessment period, students were enrolled in Ph.D. programmes, and successful Ph.D. graduations were also recorded, demonstrating the effectiveness of the research laboratory facilities and the department's commitment towards research excellence.



Figure 7.5.2 Research Lab

7.5.3. Industry - Supported laboratory (Cognizant AI CoE Laboratory)

The Artificial Intelligence Center of Excellence (AI CoE) is a specialized facility established to promote excellence in the areas of Artificial Intelligence, Machine Learning, Data Science, Deep Learning, and emerging intelligent technologies. The AI CoE serves as a platform for fostering innovation, research, skill development, and industry-oriented learning among students and faculty members.

The center provides advanced computing resources, software tools, technical guidance, and hands-on training to support research activities, real-time project development, certification programmes, workshops, and applications in AI. It also facilitates collaboration with industries, research organizations, and experts to bridge the gap between academic learning and industry requirements.

Through continuous training, mentoring, and innovative practices, the AI CoE enhances students' technical competency, problem-solving ability, research aptitude, and employability skills, thereby contributing to the overall academic and professional growth of the institution.

The department has consistently encouraged students to participate in Cognizant hackathon-based hiring initiatives to enhance their technical competency, teamwork, innovation, and industry readiness. During the academic year 2023–2024, 14 student teams participated in the hackathon activities under the guidance of 14 internal faculty guides and 16 Cognizant mentors. In 2024–2025, 11 teams participated with the support of 11 internal guides and 20 Cognizant mentors, showing increased industry mentoring involvement. In 2025–2026, the participation further improved to 14 teams with guidance from 14 internal faculty members and 12 Cognizant mentors.

As an outcome of these industry-driven activities and internship opportunities, the CTS campus recruitment count has shown steady growth, increasing from 25 students in the 2020–2024 batch to 34 students in the 2021–2025 batch and reaching 54 students in the 2022–2026 batch.



Figure 7.5.3 Cognizant – CoE

7.5.4. Idea Lab

To transform technical education by empowering young minds with cutting-edge tools, processes and skills for Atmanirbhar Bharat.

- Establishes a national network of AICTE- IDEA Labs promoting new-age learning.
- Provides a platform to experiment with ideas for qualitative change in life of compatriots.
- Creates a vibrant mentor network for enhancing capabilities of young minds.
- Supports and catalyzes multidisciplinary education and research in technical education.
- Encourages STEM application through hands-on learning, product visualization, and "learning by doing."
- Equip students with 21st-century skills like critical thinking, problem-solving, design thinking, collaboration, and lifelong learning.
- Serves as a centralized facility for converting ideas into prototypes using tools, equipment, and consumables.
- Foster creativity and imagination in engineering graduates.
- Supports faculty to take up multidisciplinary research and mentor students on projects, internships, and problem-solving.
- Provides 24x7 access to encourage creative work and experiential learning. The figure 7.5.4 shows the active participation of students in Idea Lab.

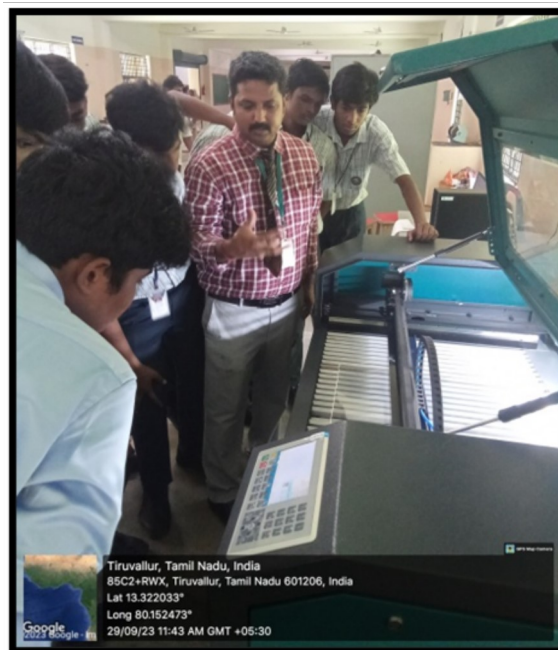


Figure 7.5.4: Students active participation in Idea Lab

Highlights of R.M.K.C.E.T Idea Lab:

- R.M.K. College of Engineering and Technology has got approval from AICTE to establish IDEA (Idea Development, Evaluation & Application) Lab in the Year 2022, which is one among 92 institutions in our country. The Management of the RMKCET has budgeted to invest Rs.1.31 crore for establishing the AICTE IDEA LAB with state-of-the-art infrastructure
- The space available for IDEA Lab and Students work space is more than **7308 sq.ft.**
- The Equipment's available in **RMKCET- AICTE IDEA Lab costs more than Rs. 35 Lakhs.**
- The major equipment's available in **RMKCET- AICTE IDEA Lab are**
 1. CNC Router
 2. Laser Cutter
 3. 3D Printer (2 nos.)
 4. 3D Scanner
 5. PCB Milling Machine
 6. Soldering Station
 7. Internet of Things
 8. Vinyl Printer (Awaiting for Approval)

Various programs conducted by the Idea lab last year is as listed in table 7.5.2.

Table 7.5.2: Details of Activities Conducted in IDEA Lab

S.No	Name of the Event	Date of the Event
2024-2025		
1.	Skilling program on creative fabrication mastering 3D and Laser tech	04-Nov-2024 to 09-Nov-2024
2.	Improved methodology for health monitoring and fitness with lifestyle changing suggestions with the help of AI	July 2024- Nov 2024

3.	Skill Sculpt:3D Cutting & Laser Mastery	04-Nov-2024 to 09-Nov-2024
4.	Skilling program on Creative Fabrication Mastering #D& Laser Tech	11-Nov-2024 to 15-Nov-2024
5.	Creative Fabrication: Mastering 3D&Laser Tech	13-Nov-2024 to 15-Nov-2024
6.	Skill Sculpt:#D Cutting & Laser Mastery	14-Nov-2024 to 16-Nov-2024
7.	Hands on session on Manufacturing for school students	07.01.2025
8.	Ideation Program on Creative Fabrication Mastering 3D& Laser Tech	06-02-25 to 08-02-25
9.	A Team of 4 Faculty from Sri Venkateswara college of Engineering, Pennalur, Sriperumbudur, visited our AICTE - IDEA Lab	04-03-25
10.	Skilling Program on 3DLaser print	05-03-2025 to 11-03-2025
11.	Creative Fabrication Mastering 3D Scanner Tech	05-03-2025 to 11-03-2025
12.	3 Faculty members attended AICTE -IDEA Lab Tech Fest at AICTE Head Quarters, New Delhi	07-03-2025
13.	Six days FDP on " Recent Trends in Designing and Product Development	06-05-2025 to 12-05-2025
2023-2024		
1.	Skill Development Program For Our Students	15/06/2023 and 24/06/2023
2.	A Three Day FDP on "Transforming Research into Patent, Publication, Project and Product"	20/06/2023 to 22/06/2023
3.	An Open Day Program was organised for Alagappa Chettiyar School Purasaiwakkam, Chennai	29/09/2023
4.	Skilling Program On CNC Router, Laser Cutter and 3D Printer	11/10/2023 to 17/10/2023
5.	Ideation Workshop on CNC Router, Laser Cutter and 3D Printer	19/10/2023 to 21/10/2023
6.	Skilling Program On CNC Router, Laser Cutter and 3D Printer	22/11/2023 to 27/11/2023
7.	Skilling Program On CNC Router, Laser Cutter and 3D Printer	1/12/2023 to 2/12/2023
8.	Ideation Workshop on CNC Router, Laser Cutter and 3D Printer	8/1/2024 to 10/1/2024

9.	Ideation Workshop on PCB Design and IOT	29/01/2024 to 31/01/2024
10.	Ideation Workshop on PCB Design and IOT	15/2/2024 to 17/2/2024
11.	Ideation Workshop On Smart Manufacturing	14/03/2024 to 16/03/2024
12.	Skilling Program on PCB Designing, IOT	18/03/2024 to 23/03/2024
13.	Ideation Workshop on PCB Designing and IOT	25/03/2024 to 27/03/2024

Outcome:

- Transforms engineering education by enabling students to engage, explore, experience, express, and excel in innovation and creativity.
- Supports projects, organizes training, and offers online materials to expose all students to the IDEA Lab experience.

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

Table No. E1.1: FYSFR details.

Year	Sanctioned intake of all UG programs (S4)	No. of required faculty (RF4= S4/20)	No. of faculty members in Basic Science Courses & Humanities and Social Sciences including Management courses (NS1)	No. of faculty members in Engineering Science Courses (NS2)	Percentage= No. of faculty members ((NS1*0.8)+(NS2*0.2))/(No. of required faculty (RF4)); Percentage=((NS1*0.8)+(NS2*0.2))/RF
2023-24(CAYm2)	540	27	24	3	73
2024-25(CAYm1)	600	30	27	3	74
2025-26(CAY)	720	36	31	5	72

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	1360.00	1280.00	350.00	333.31	270.00	267.49	20.00	18.08
Library	22.35	20.32	26.00	23.22	22.00	20.86	9.00	6.28
Laboratory equipment	145.56	132.34	270.00	251.12	86.00	83.97	245.00	241.25
Teaching and non-teaching staff salary	2247.76	2043.42	1735.00	1730.39	1600.15	1554.67	1416.00	1375.52
Outreach Programs	89.39	81.27	75.00	74.36	20.95	19.71	5.00	4.69
R&D	75.73	68.66	39.00	33.79	55.00	48.94	51.00	47.89

Training, Placement and Industry linkage	243.29	221.17	255.00	206.53	250.00	245.06	150.00	146.39
SDGs	299.59	272.37	237.00	234.22	204.91	196.78	160	150.87
Entrepreneurship	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00
Others, specify	1822.12	1670.8	1385.00	1345.90	2000.85	1893.46	1082.00	1009.79
Total	6307.79	5792.35	4374.00	4234.84	4511.86	4332.94	3140.00	3002.76

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	245500	261131	190700	331192	128000	111181	74350	68771
Software	0	0	0	0	0	0	0	0
SDGs	0	109350	0	214182	0	168738	0	83157
Support for faculty development	100000	92156	80000	78150	70000	63185	50000	50000
R & D	300000	250000	250000	156038	100000	85146	110000	86010
Industrial Training, Industry expert, Internship	300000	265000	260000	215146	210000	176010	150000	149383
Miscellaneous Expenses*	378870	376780	434420	268350	346150	258133	127400	83424
Total	1324370	1354417	1215120	1263058	854150	862393	511750	520745