NATIONAL BOARD OF ACCREDITATION

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

Program Name : Computer Science and Engineering	**Discipline**: Engineering & Technology
Level : Under Graduate	**Tier**: 1
Application No: 10194	**Date of Submission**: 27-02-2025

PART A- Profile of the Institute

A1.Name of the Institute: K.S.R.COLLEGE OF ENGINEERING	
Year of Establishment : 2001	Location of the Institute: TIRUCHENGODE
A2. Institute Address:K.S.R.COLLEGE OF ENGINEERING K.S.R.KALVI NAGAR THOKKAVADI TIRUCHENGODE-637215 NAMAKKAL (DT),TAMILNADU	
City:--Select--	State:Tamil Nadu
Pin Code:637215	Website:www.ksrce.ac.in
Email:INFO@KSRCE.AC.IN	Phone No(with STD Code):04288-274741
A3. Name and Address of the Affiliating University (if any):	
Name of the University : NIL	City: Chennai
State : Tamil Nadu	Pin Code: 600025
A4. Type of the Institution: Autonomous CAY(2012-13)	
A5. Ownership Status: Self financing	

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

- No. of UG programs: **12**
- No. of PG programs: **12**

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

Sr.No.	Discipline	Level of program	Name of the program	Year of Start	Year of Closed	Name of The Department
1	Computer Application	PG	Master of Computer Application	2003	--	Computer Application
2	Engineering & Technology	UG	Automobile Engineering	2009	--	Automobile Engineering
3	Engineering & Technology	PG	Big Data Analytics	2024	--	Computer Science and Engineering
4	Engineering & Technology	UG	Biomedical Engineering	2024	--	Biomedical Engineering
5	Engineering & Technology	PG	CAD/CAM	2024	--	Mechanical Engineering
6	Engineering & Technology	UG	Civil Engineering	2002	--	Civil Engineering
7	Engineering & Technology	PG	Communication Systems	2010	--	Electronics and Communication Engineering
8	Engineering & Technology	UG	Computer Science and Design	2023	--	Computer Science and Design
9	Engineering & Technology	PG	Computer Science and Engineering	2007	--	Computer Science and Engineering
10	Engineering & Technology	UG	Computer Science and Engineering	2001	--	Computer Science and Engineering
11	Engineering & Technology	UG	Computer Science and Engineering (Cyber Security)	2024	--	Computer Science and Engineering (Cyber Security)
12	Engineering & Technology	UG	Computer Science and Engineering (Internet of Things)	2023	--	Computer Science and Engineering (Internet of Things)
13	Engineering & Technology	PG	Construction Engineering & Management	2010	--	Civil Engineering
14	Engineering & Technology	UG	Electrical and Electronics Engineering	2002	--	Electrical and Electronics Engineering

15	Engineering & Technology	UG	Electronics & Communication Engineering	2001	--	Electronics and Communication Engineering
16	Engineering & Technology	PG	Embedded Systems Technologies	2024	--	Electrical and Electronics Engineering
17	Engineering & Technology	PG	Industrial Safety Engineering	2011	--	Mechanical Engineering
18	Engineering & Technology	PG	Information Technology	2012	--	Information Technology
19	Engineering & Technology	UG	Information Technology	2001	--	Information Technology
20	Engineering & Technology	UG	Mechanical Engineering	2005	--	Mechanical Engineering
21	Engineering & Technology	PG	Power Electronics & Drives	2009	--	Electrical and Electronics Engineering
22	Engineering & Technology	UG	Safety & Fire Engineering	2020	--	Safety and Fire Engineering
23	Engineering & Technology	PG	Structural Engineering	2009	--	Civil Engineering
24	Management	PG	Master of Business Administration	2006	--	Management

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

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

Name of the Department	Having Allied Departments	Name of the Program	Program Level
Computer Science and Engineering	Yes	Computer Science and Engineering	UG
Electronics and Communication Engineering	Yes	Electronics & Communication 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)

Allied Department/Cluster Name	Program Name	Program Level
Computer Science and Engineering	Computer Science and Design	UG
Computer Science and Engineering	Computer Science and Engineering (Cyber Security)	UG
Computer Science and Engineering	Computer Science and Engineering (Internet of Things)	UG
Computer Science and Engineering	Information Technology	UG
Computer Science and Engineering	Information Technology	PG

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/COMPE AUTHORITY A DETAILS
1	Computer Science and Engineering	UG	2001 / --	45	Yes	2024	210	2024	F.No.Southern/ 43658444760/2 dated 24/05/20

Sanctioned Intake for Last Five Years for the Computer Science and Engineering	
Academic Year	**Sanctioned Intake**
2024-25	210
2023-24	120
2022-23	120
2021-22	120
2020-21	120
2019-20	120

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
1	Computer Science and Engineering	Information Technology	UG	2001 / --	45	Yes	2024	120	2024

Sanctioned Intake for Last Five Years for the Information Technology	
Academic Year	**Sanctioned Intake**
2024-25	120
2023-24	60
2022-23	60
2021-22	60
2020-21	60
2019-20	60

2	Computer Science and Engineering	Computer Science and Design	UG	2023 / --	30	No	NA	30	2023
3	Computer Science and Engineering	Computer Science and Engineering (Internet of Things)	UG	2023 / --	30	No	NA	30	2023
4	Computer Science and Engineering	Computer Science and Engineering (Cyber Security)	UG	2024 / --	60	No	NA	60	2024
5	Computer Science and Engineering	Information Technology	PG	2012 / --	18	Yes	2021	6	2021

Sanctioned Intake for Last Five Years for the Information Technology	
Academic Year	**Sanctioned Intake**
2024-25	6
2023-24	6
2022-23	6
2021-22	6
2020-21	18
2019-20	18

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

A. Name of the HoD :	Dr.V. Sharmila
B. Nature of appointment:	Regular
C. Qualification:	ME/M. Tech and PhD

B3. Program Details

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

Item (Information to be provided cumulatively for all the shifts with explicit headings, wherever applicable)	2024-25 (CAY)	2023-24 (CAYm1)	2022-23 (CAYm2)	2021-22 (CAYm3)	2020-21 (CAYm4)	2019-20 (CAYm5)	2018-19 (CAYm6)
N=Sanctioned intake of the program (as per AICTE /Competent authority)	210	120	120	120	120	120	120

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	210	120	105	120	120	116	97
N2=Number of students admitted in 2nd year in the same batch via lateral entry including leftover seats	0	7	11	7	12	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	12	8	0	6	6	0	0
Total number of students admitted in the program (N1 + N2 + N3 + N4) - excluding those admitted through multiple entry and exit points.	222	135	116	133	138	116	97

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

B4. Enrolment Ratio in the First Year

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

Year of entry	N (From Table 4.1)	N1 (From Table 4.1)	N4 (From Table 4.1)	Enrollment Ratio [(N1/N)*100]
2024-25 (CAY)	210	12	0	105.71
2023-24 (CAYm1)	120	8	0	106.67
2022-23 (CAYm2)	120	0	0	96.67

Average [(ER1 + ER2 + ER3) / 3] = 103.02≡ 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	(2020-21) LYG	(2019-20) LYGm1	(2018-19) LYGm2
A*= (No. of students admitted in the 1st year of that batch and those actually admitted in the 2nd year via lateral entry, plus the number of students admitted through multiple entry (if any) and separate division if applicable, minus the number of students who exited through multiple entry (if any).	138.00	116.00	97.00
B=No. of students who graduated from the program in the stipulated course duration	120.00	107.00	80.00
Success Rate (SR)= (B/A) * 100	86.96	92.24	82.47

Average SR of three batches ((SR_1+ SR_2+ SR_3)/3): 87.22

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)
Mean of CGPA or mean percentage of all successful students(X)	8.12	8.10	7.69
Y=Total no. of successful students	128.00	105.00	126.00
Z=Total no. of students appeared in the examination	128.00	105.00	126.00
API [X*(Y/Z)]	8.12	8.10	7.69

Average API[(AP1+AP2+AP3)/3] : 7.97

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

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

Academic Performance	CAYm1 (2023-24)	CAYm2 (2022-23)	CAYm3 (2021-22)
X=(Mean of 2nd year grade point average of all successful students on a 10-point scale) or (Mean of the percentage of marks of all successful students in 2rd year/10)	7.86	7.84	8.11
Y=Total no. of successful students	105.00	120.00	120.00
Z=Total no. of students appeared in the examination	116.00	127.00	132.00
API [X * (Y/Z)]	7.11	7.41	7.37

Average API [(AP1 + AP2 + AP3)/3] : 7.30

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

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

Academic Performance	CAYm1 (2023-24)	CAYm2 (2022-23)	CAYm3 (2021-22)
X=(Mean of 3rd year grade point average of all successful students on a 10-point scale) or (Mean of the percentage of marks of all successful students in 3rd year/10)	8.00	7.77	8.35
Y=Total no. of successful students	120.00	120.00	110.00
Z=Total no. of students appeared in the examination	120.00	120.00	110.00
API [X*(Y/Z)]:	8.00	7.77	8.35

Average API [(AP1 + AP2 + AP3)/3] : 8.04

B9. Placement, Higher Studies, and Entrepreneurship

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

Item	LYG (2020-21)	LYGm1(2019-20)	LYGm2(2018-19)
FS*=Total no. of final year students	132.00	120.00	120.00
X=No. of students placed	108.00	87.00	78.00
Y=No. of students admitted to higher studies	8.00	6.00	5.00
Z=Total no. of students appeared in the examination	2.00	3.00	2.00
Placement Index(P) = (((X + Y + Z)/FS) * 100):	89.39	80.00	70.83

Average Placement Index = (P_1 + P_2 + P_3)/3: 80.07 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 Associat (Regular/ Contract/ Ad hoc)
1	Dr.M.VENKATESAN	XXXXXXX65G	ME/M. Tech and PhD	Periyar University	Image Processing, Networking, Machine Learning	13/06/2024	0.7	Professor	Professor	13/06/2024	Regular
2	Dr. A. Rajiv Kannan	XXXXXXX58Q	ME/M. Tech and PhD	Anna University	Wireless sensor network	02/06/2004	20.9	Assistant Professor	Professor	01/11/2014	Regular
3	Dr.V. Vennila	XXXXXXX74F	ME/M. Tech and PhD	Anna University	Data Mining, Cloud Computing, Machine Learning, Artificial Intelligence, Big Data	02/06/2008	16.8	Assistant Professor	Professor	01/07/2022	Regular
4	Dr.V. Sharmila	XXXXXXX00N	ME/M. Tech and PhD	Anna University	Data Mining	01/11/2003	21.3	Assistant Professor	Associate Professor	01/07/2019	Regular
5	Dr.E.Baby Anitha	XXXXXXX34J	ME/M. Tech and PhD	Anna University	Data mining	07/01/2008	17.1	Assistant Professor	Associate Professor	03/07/2017	Regular
6	Dr.R.Banupriya	XXXXXXX38E	ME/M. Tech and PhD	Anna University	Data mining, Machine Learning	01/09/2021	3.5	Assistant Professor	Associate Professor	01/07/2022	Regular
7	Dr.K.Venkatesh Guru	XXXXXXX37R	ME/M. Tech and PhD	Anna University	Wireless Networks	06/06/2012	12.8	Assistant Professor	Assistant Professor		Regular
8	Dr.S.Savitha	XXXXXXX15K	ME/M. Tech and PhD	Anna University	Machine Learning	05/07/2023	1.7	Assistant Professor	Associate Professor	08/07/2024	Regular
9	Mrs.M.K. Nivodhini	XXXXXXX72L	M.E/M.Tech	Anna University	Machine Learning Techniques	01/07/2013	11.7	Assistant Professor	Assistant Professor		Regular

10	Mrs.P.Vasuki	XXXXXXX67E	M.E/M.Tech	Anna University	Machine Learning	11/06/2014	10.7	Assistant Professor	Assistant Professor		Regular
11	Mrs.J.Nirmala Gandhi	XXXXXXX61E	M.E/M.Tech	Anna University	Machine Learning	04/07/2018	6.7	Assistant Professor	Assistant Professor		Regular
12	Mr.S.Sadhasivam	XXXXXXX33H	M.E/M.Tech	Anna University	Data Mining	08/03/2019	5.11	Assistant Professor	Assistant Professor		Regular
13	Ms.R.Keerthana	XXXXXXX24K	M.E/M.Tech	Anna University	Web Application, Data Analytics	19/04/2021	3.9	Assistant Professor	Assistant Professor		Regular
14	Mr.M. Azhagesan	XXXXXXX70R	M.E/M.Tech	Karpagam University	Networking	04/05/2022	2.9	Assistant Professor	Assistant Professor		Regular
15	Mr.O.K. Gowrishankar	XXXXXXX91C	M.E/M.Tech	Anna University	Artificial Intelligence	18/05/2022	2.8	Assistant Professor	Assistant Professor		Regular
16	Mr.M. Namasivayam	XXXXXXX58H	M.E/M.Tech	Prist University	Big Data, Web Programming	10/06/2022	2.7	Assistant Professor	Assistant Professor		Regular
17	Mr.P. Palanisamy	XXXXXXX06R	M.E/M.Tech	Karpagam University	Cloud Computing, IOT	22/06/2022	2.7	Assistant Professor	Assistant Professor		Regular
18	Ms.S.Suruthi	XXXXXXX72D	M.E/M.Tech	Anna University	Machine Learning	03/06/2022	2.8	Assistant Professor	Assistant Professor		Regular
19	Mr.V. Ramesh	XXXXXXX46K	M.E/M.Tech	Karpagam University	Cloud Computing	01/06/2022	2.8	Assistant Professor	Assistant Professor		Regular
20	Ms.U. Kasthuri	XXXXXXX36Q	M.E/M.Tech	Anna University	Cloud Computing	03/07/2023	1.7	Assistant Professor	Assistant Professor		Regular
21	Ms.P. Priyadharshini	XXXXXXX70L	M.E/M.Tech	Vinayaka Mission	Cloud Computing, Machine Learning	12/07/2023	1.6	Assistant Professor	Assistant Professor		Regular
22	Mrs.R. Vijayalakshme	XXXXXXX29N	M.E/M.Tech	Anna University	Database Management Systems	01/07/2024	0.7	Assistant Professor	Assistant Professor		Regular
23	Mrs.E. Nandhini	XXXXXXX50M	M.E/M.Tech	Anna University	Database Management Systems	03/06/2024	0.8	Assistant Professor	Assistant Professor		Regular
24	Mrs.R. Nivethitha	XXXXXXX82M	M.E/M.Tech	Anna University	Cloud Computing	04/07/2022	2.7	Assistant Professor	Assistant Professor		Regular
25	Mrs.K. Nithya	XXXXXXX87A	M.E/M.Tech	Anna University	Block Chain Technologies	04/07/2022	2.7	Assistant Professor	Assistant Professor		Regular
26	Mrs.S. Vanitha	XXXXXXX49L	M.E/M.Tech	Anna University	Database Management Systems	19/06/2024	0.7	Assistant Professor	Assistant Professor		Regular
27	Dr.S. Vadivel	XXXXXXX80K	ME/M. Tech and PhD	Anna University	Low power VLSI	04/06/2012	12.8	Assistant Professor	Assistant Professor		Regular
28	Dr.K. Kumaresan	XXXXXXX07M	ME/M. Tech and PhD	Anna University	Wireless sensor networks	03/07/2009	14.11	Assistant Professor	Assistant Professor		Regular
29	Mr.T. Sasi	XXXXXXX90C	M.E/M.Tech	Anna University	Wireless Networks	02/06/2010	14	Assistant Professor	Assistant Professor		Regular
30	Mr.R. Surendheran	XXXXXXX74J	M.E/M.Tech	Anna University	Networks	07/06/2012	11.11	Assistant Professor	Assistant Professor		Regular
31	Mr.K.S. Manojee	XXXXXXX66G	M.E/M.Tech	Anna University	Data Mining	04/07/2022	1.10	Assistant Professor	Assistant Professor		Regular
32	Mr. K.Muthukumaran	XXXXXXX34H	M.E/M.Tech	Anna University	Computer Networks	02/06/2010	14.1	Assistant Professor	Assistant Professor		Regular
33	Mr.P. Prabhu	XXXXXXX74D	M.E/M.Tech	SRM University	Cloud Computing	08/03/2019	4.3	Assistant Professor	Assistant Professor		Regular
34	Dr.C.Anand	XXXXXXX28G	ME/M. Tech and PhD	Anna University	Wireless Networks	13/07/2009	14.10	Assistant Professor	Associate Professor	02/07/2018	Regular
35	Dr.D.Sathiya	XXXXXXX81L	ME/M. Tech and PhD	Anna University	Wireless Networks	17/06/2023	1.7	Associate Professor	Associate Professor	17/06/2023	Regular
36	Dr.S.Periyasamy	XXXXXXX69B	ME/M. Tech and PhD	Anna University	Data Mining	01/06/2007	16	Assistant Professor	Associate Professor	01/07/2022	Regular

37	Dr.N. Saravanan	XXXXXXX87H	ME/M. Tech and PhD	Anna University	Computer Science	02/07/2001	22.11	Assistant Professor	Professor	01/06/2019	Regular
38	Dr.N.S. Nithya	XXXXXXX46A	ME/M. Tech and PhD	Anna University	Computer Science	13/12/2010	12.5	Assistant Professor	Professor	01/07/2020	Regular
39	Dr.V.Shanmugavalli	XXXXXXX81B	ME/M. Tech and PhD	Anna University	Machine Learning	02/06/2021	3.6	Assistant Professor	Assistant Professor		Regular
40	Mr.R. Arulkumar	XXXXXXX93G	M.E/M.Tech	Anna University	Computer Networks, IOT	18/07/2022	1.10	Assistant Professor	Assistant Professor		Regular
41	Mr.B.Rajesh	XXXXXXX21F	M.E/M.Tech	Anna University	Database Management Systems & Networking	08/07/2024	0.7	Assistant Professor	Assistant Professor		Regular
42	Mr. P. Prakash	XXXXXXX18R	M.E/M.Tech	Anna University	computer Sciene	03/06/2013	11	Assistant Professor	Assistant Professor		Regular
43	Ms.M.Jayanthi	XXXXXXX94B	M.E/M.Tech	Anna University	Computer science and Engineering	01/07/2022	2.7	Assistant Professor	Assistant Professor		Regular
44	Mr.S.Ajithkumar	XXXXXXX86M	M.E/M.Tech	Anna University	Computer science and Engineering	02/06/2022	2.8	Assistant Professor	Assistant Professor		Regular

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 on v Des as Prof Ass Prof if an
1	Dr. Malatthi Sivasundaram	XXXXXXX47E	XXXXXXXXX184	ME/M. Tech and PhD	Anna University	Cloud Computing	01/07/2024	0.7	Associate Professor	Associate Professor	
2	Mr. Kalaivendhan K	XXXXXXX33D	NA	M.E/M.Tech	Anna University	Machine Learning	19/06/2024	0.7	Assistant Professor	Assistant Professor	
3	Mr. Karthi P	XXXXXXX43Q	NA	M.E/M.Tech	Anna University	Cloud Computing	08/07/2024	0.7	Assistant Professor	Assistant Professor	
4	Mr. S. Gokul	XXXXXXX30L	NA	M.E/M.Tech	Anna University	Cloud Computing	08/07/2024	0.7	Assistant Professor	Assistant Professor	
5	Dr. G. Singaravel	XXXXXXX91D	XXXXXXXXX379	ME/M. Tech and PhD	Anna University	Software Engineering	25/06/2003	21.7	Assistant Professor	Professor	01/0
6	Dr. K. Balamurugan	XXXXXXX75R	XXXXXXXXX097	ME/M. Tech and PhD	Anna University	Mobile Network	10/11/2003	21.3	Assistant Professor	Associate Professor	01/0
7	Dr. S. Anguraj	XXXXXXX53E	XXXXXXXXX716	ME/M. Tech and PhD	Anna University	Data Structure	15/06/2009	15.8	Assistant Professor	Assistant Professor	
8	Dr. S.R. Menaka	XXXXXXX34Q	XXXXXXXXX272	ME/M. Tech and PhD	Anna University	Cloud Computing	01/06/2018	6.8	Assistant Professor	Associate Professor	03/0
9	Mrs. S. Suganya	XXXXXXX06M	XXXXXXXXX912	M.E/M.Tech	Anna University	Big Data Analytic	11/06/2012	12.8	Assistant Professor	Assistant Professor	
10	Mr. T. Saran Sujai	XXXXXXX14C	XXXXXXXXX480	M.E/M.Tech	Anna University	Embedded Design	01/07/2014	10.7	Assistant Professor	Assistant Professor	
11	Mr. T. Sathishkumar	XXXXXXX76H	XXXXXXXXX290	M.E/M.Tech	Anna University	Big Data	27/04/2022	2.9	Assistant Professor	Assistant Professor	
12	Mrs.M.Sasipriya	XXXXXXX65E	XXXXXXXXX371	M.E/M.Tech	Anna University	Machine Learning Techniques	13/07/2022	2.7	Assistant Professor	Assistant Professor	
13	Mr.E.Madhorubagan	XXXXXXX82J	XXXXXXXXX244	M.E/M.Tech	Karpagam University	Green Computing	02/08/2023	1.6	Assistant Professor	Assistant Professor	
14	Ms.G.Dharani	XXXXXXX80E	XXXXXXXXX228	M.E/M.Tech	Anna University	Machine Learning	09/08/2023	1.6	Assistant Professor	Assistant Professor	
15	Mrs.R.Sowmiya	XXXXXXX37N	XXXXXXXXX801	M.E/M.Tech	Anna University	Embedded Design	10/08/2023	1.6	Assistant Professor	Assistant Professor	
16	Mr.S.Sethupathi	XXXXXXX86C	XXXXXXXXX322	M.E/M.Tech	Anna University	Business Intelligence	08/07/2024	0.7	Assistant Professor	Assistant Professor	

17	Ms.V. Samya Devi	XXXXXXX76Q	XXXXXXXXX379	M.E/M.Tech	Anna University	Machine Learning Techniques	08/07/2024	0.7	Assistant Professor	Assistant Professor	
18	Mr.S. Gowtham	XXXXXXX40K	NA	M.E/M.Tech	Anna University	Artificial Intelligent	25/09/2020	3.9	Assistant Professor	Assistant Professor	
19	Ms.S.Mounika	XXXXXXX37M	NA	M.E/M.Tech	Anna University	Internet of Things	13/07/2022	2.7	Assistant Professor	Assistant Professor	
20	Dr. S.Nithyakalyani	XXXXXXX89K	NA	ME/M. Tech and PhD	Anna University	Network Management	01/06/2006	17.3	Assistant Professor	Professor	03/0
21	Mr. G. Nagarajan	XXXXXXX46Q	NA	M.E/M.Tech	Anna University	Software Testing	02/07/2012	10.11	Assistant Professor	Assistant Professor	
22	Mrs.K.Sudha	XXXXXXX57H	NA	ME/M. Tech and PhD	Anna University	Deep Learning	01/07/2024	0.7	Assistant Professor	Assistant Professor	
23	Mrs.T.Divya	XXXXXXX09L	NA	M.E/M.Tech	Anna University	CSE	02/01/2025	0.1	Assistant Professor	Assistant Professor	
24	Dr.R.Vijayarangan	XXXXXXX84K	NA	ME/M. Tech and PhD	AISECT University	CSE-IOT Cloud	20/01/2025	0	Professor	Professor	
25	Dr.P.Meenakshi Devi	XXXXXXX00H	XXXXXXXXX223	ME/M. Tech and PhD	Madurai Kamaraj University	Artificial Intelligence	01/07/2024	0.7	Professor	Professor	
26	Dr. N. Saravanan	XXXXXXX87H	NA	ME/M. Tech and PhD	Anna University	Computer Science	01/06/2024	0.8	Professor	Professor	
27	Mr.P.Anispremkoilraj	XXXXXXX83R	NA	M.E/M.Tech	Anna University	Computer Science and Engineering	02/05/2022	2.9	Assistant Professor	Assistant Professor	
28	Ms.K.Leelavathi	XXXXXXX22E	NA	M.E/M.Tech	Anna University	Computer science and Engineering	13/07/2022	1.10	Assistant Professor	Assistant Professor	
29	Mr.K.Muthukumaran	XXXXXXX34H	NA	M.E/M.Tech	Anna University	Computer science and Engineering	01/07/2024	0.7	Assistant Professor	Assistant Professor	

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 Department5 No. of PG Programs in the Department3

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

Description	**CAY(2024-25)**	**CAYm1 (2023-24)**	**CAYm2 (2022-23)**
UG1.B	127	131	127
UG1.C	131	127	132
UG1.D	127	132	129
UG1: Computer Science and Engineering	**385**	**390**	**388**
UG2.B	0	0	0
UG2.C	0	0	0
UG2.D	0	0	0
UG2: Computer Science and Engineering (Cyber Security)	**0**	**0**	**0**
UG3.B	30	0	0
UG3.C	0	0	0

Description	CAY(2024-25)	CAYm1 (2023-24)	CAYm2 (2022-23)
UG3.D	0	0	0
UG3: Computer Science and Engineering (Internet of Things)	**30**	**0**	**0**
UG4.B	30	0	0
UG4.C	0	0	0
UG4.D	0	0	0
UG4: Computer Science and Design	**30**	**0**	**0**
UG5.B	65	65	66
UG5.C	65	66	66
UG5.D	66	66	61
UG5: Information Technology	**196**	**197**	**193**
PG1.A	6	0	0
PG1.B	0	0	0
PG1: Big Data Analytics	**6**	**0**	**0**
PG2.A	6	6	6
PG2.B	6	6	6
PG2: Computer Science and Engineering	**12**	**12**	**12**
PG3.A	6	6	6
PG3.B	6	6	6
PG3: Information Technology	**12**	**12**	**12**
DS=Total no. of students in all UG and PG programs in the Department	403	402	400
AS=Total no. of students of all UG and PG programs in allied departments	268	209	205
S=Total no. of students in the Department (DS) and allied departments (AS)	**S1=** 671	**S2=** 611	**S3=** 605
DF=Total no. of faculty members in the Department	31	36	34
AF= Total no. of faculty members in the allied Departments	21	13	14
F=Total no. of faculty members in the Department (DF) and allied Departments (AF)	**F1=** 52	**F2=** 49	**F3=** 48
FF=The faculty members in F who have a 100% teaching load in the first-year courses	4	3	3
Student Faculty Ratio (SFR)=S/(F-FF)	**SFR1= 13.98**	**SFR2= 13.28**	**SFR3= 13.44**
Average SFR for 3 years	**SFR= 13.57**		

C3. Faculty Qualification

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

Table No.C3.1: Faculty qualification.

Year	X	Y	RF	FQ = 2.5 x [(10X + 4Y) / RF)]
2024-25(CAY)	10	34	31.00	19.03
2023-24(CAYm1)	15	34	29.00	24.66
2022-23(CAYm2)	17	32	29.00	25.69

C4. Faculty Cadre Proportion

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

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

Year	Professors		Associate Professors		Assistant Professors	
	Required RF1	Available AF1	Required RF2	Available AF1	Required RF3	Available AF3

2024-25	3.00	6.00	6.00	8.00	20.00	38.00
2023-24	3.00	4.00	6.00	7.00	19.00	38.00
2022-23	3.00	6.00	6.00	7.00	19.00	35.00
Average	RF1=3.00	AF1=5.33	RF2=6.00	AF2=7.33	RF2=19.33	AF2=37.00

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. Jagatheeswaran T.S.	Senior Software Engineer	Oracle India pvt. Ltd, Bengaluru	Python Programming	30.00
2	Mr. Jagatheeswaran T.S.	Senior Software Engineer	Oracle India pvt. Ltd, Bengaluru	Java programming	30.00

(CAYm2)

S.No	Name of the Person	Designation	Organization	Name of the Course	No. of hours handled
1	Mr. Dinesh Sekar	CEO & Co-founder	Arpina Solutions, Hyderabad, Telangana, India	Data Structures	30.00
2	Mr. Dinesh Sekar	CEO & Co-founder	Arpina Solutions, Hyderabad, Telangana, India	Database Management Systems	32.00

(CAYm3)

S.No	Name of the Person	Designation	Organization	Name of the Course	No. of hours handled
1	Mr. Manikandan Rajappan	Lead Security Engineer	Razorpay Software Private Limited, Bengaluru	Java Programming	30.00
2	Ms. Dhivya S.	Software Test Engineer	Valtech India Systems Private Limited, Bengaluru.	C Programming	30.00

C6. Academic Research

Table No. C6.1: Faculty publication details.

S.No.	Item	2023-24 (CAYm1)	2022-23 (CAYm2)	2021-22 (CAYm3)
1	No. of peer reviewed journal papers published	10	7	10
2	No. of peer reviewed conference papers published	3	1	2
3	No. of books/book chapters published	15	5	1

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.V.Sharmila	Pasupathi P Srikandh D Shivaprakash G	CSE	A Robust Resource Allocation Model for Optimising Data Skew and Consumption Rate in Cloud based IoT Environments	Tamilnadu State Council for Science and Technology	6 Months	0.08
						Amount received (Rs.):0.08

(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. A. Rajiv Kannan	Dr. V. Sharmila	CSE	CS3491 – Artificial Intelligence and Machine Learning	Centre for Faculty and Professional Development, Anna University, Chennai.	6 Days	0.30
						Amount received (Rs.):0.30

(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. A. Rajiv Kannan	Dr. V. Sharmila	CSE	CS8651 - Internet Programming	Centre for Faculty Development, Anna University, Chennai.	6 Days	0.30
						Amount received (Rs.):0.30

Total Amount (Lacs) Received for the Past 3 Years: 0.68

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.A.Rajiv Kannan	Dr.V.Sharmila, Dr.V.Vennila, Dr.C.Anand, Mr.E.Kannan Mr.V.Ramesh	CSE	Employee Management System	SHINE V Tiruchengode	8 months	0.71
M.K.Nivodhini	P.Vasuki	CSE	LOOP Tool	Thiran 360 AI	3 months	1.20
M.K.Nivodhini	P.Vasuki	CSE	LOOP Tool	Kongunadu College of Engineering and Technology	3 months	0.35
						Amount received (Rs.):2.26

(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
M.K.Nivodhini	P.Vasuki	CSE	LOOP Tool	Paavai Engineering College	3 months	0.35
M.K.Nivodhini	P.Vasuki	CSE	LOOP Tool	Arpina Solutions Private Ltd.	3 months	1.20
						Amount received (Rs.):1.55

(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.A.Rajiv Kannan, Mrs.M.K.Nivodhini	Mrs.P.Vasuki	CSE	Software Tool	TOP FRESHERS TECHNOLOGIES PVT LTD	3 Months	1.44
M.K.Nivodhini	P.Vasuki	CSE	LOOP Tool	Muthayammal Engineering College	3 months	0.35
						Amount received (Rs.):1.79

Total amount (Lacs) received for the past 3 years: 5.60

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.K.Venkatesh Guru Mrs.J.Nirmala Gandhi	Expose the Intrusion within Network Traffic Using Machine Learning Algorithm	1 year	1.35	1.35	Fog computing-Integrated ML-based Framework and solutions for Intelligent systemsDigital Health care Applications/Book Chapter
Dr.V.Sharmila	Lift-up Method using Metal plate	6 Months	0.10	0.10	Efficient Load Handling, Improved Safety, Minimized Damage, Simplified Operation / Patent Grant
			Amount received (Rs.): 1.45		

(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.K.Venkatesh Guru Mrs.J.Nirmala Gandhi	Big Data Analytics in Health Sector: Theoretical Framework, Techniques and Prospects.	1 year	0.90	0.90	An Efficient macine learning method for agricultural crop recommendation using deep learning techniques/Research paper
Mr.M.Azhagesan	Machine Leaning for Reliability Analysis	6 Months	0.10	0.10	Enhanced Failure Prediction, Prognostic Modeling, Real-Time Anomaly Detection, Root Cause Analysis/ Patent Grant
			Amount received (Rs.): 1.00		

(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
Dr. A. Rajiv Kannan, Dr. R. Banupriya	Land Cover / Land Use Classification Using Data Mining Techniques	1 year	1.90	1.90	Detecting the changes in the Land Cover image taken before and after flood using Convolution Neural Networks Algorithm/ Research paper
			Amount received (Rs.): 1.90		

Total amount (Lacs) received for the past 3 years : 4.35

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	Problem Solving Techniques Lab	66	Hardware: Intel I3 Processor, 2nd Gen Hard Disk : 500 GB Speed : 3.4 GHz Memory : 8GB DDR II	Maximum of 8	Mr.P.Shevaks	Lab Assistant	B.Tech(IT)
2	Python Programming Lab	66	Hardware: Intel I3 Processor, 6th Gen. Hard Disk : 1 TB Speed : 3.4 GHz Memory : 4GB DDR II RAM	Maximum of 8	Mr.P.Bharathi	Lab Assistant	B.Tech(IT)
3	Operating Systems Laboratory	66	Hardware: Intel I3 Processor , 6th Gen. Hard Disk : 1 TB Speed : 3.4 GHz Memory : 4 GB DDR II RAM	Maximum of 8	Mr.P.Bharathi	Lab Assistant	B.Tech(IT)
4	Java Programming Lab	66	Hardware: Intel I3 Processor 6th Gen. Hard Disk : 1 TB Speed : 3.4 GHz Memory : 4GB DDR II RAM	Maximum of 8	Mr.P.Shevaks	Lab Assistant	B.Tech(IT)
5	DBMS Laboratory	66	Hardware: Intel I3 Processor, 6th Gen. Hard Disk : 1 TB Speed : 3.4 GHz Memory : 4GB DDR II RAM	Maximum of 8	Mr.P.Bharathi	Lab Assistant	B.Tech(IT)

6	Web Programming Lab	66	Hardware: Intel I3 Processor, 2nd Gen Hard Disk : 500 GB Memory:	Maximum of 8	M.Kavin	Hardware En	B.Sc (CS)
7	Computer Networks Lab	66	Hardware: Intel I3 Processor Hard Disk : 1 TB Speed : 3.4 GHz	Maximum of 8	P.Mohankuma	Network Engi	B.E
8	C# and .Net Framework Laboratory	66	Hardware: Intel I3 Processor, 2nd Gen Hard Disk : 500 GB Memory: 8	Maximum of 8	Mr.P.Bharathi	Lab Assistant	B.Tech(IT)
9	Graphics& Multimedia Lab	66	Hardware: Intel® Core TM i5 – 4590 CPU @ 3.3GHz,5th Gen	Maximum of 8	Mrs. T. Pavith	Lab Assistant	B.SC(CS)
10	Cloud and Big Data Lab	66	Hardware: Intel® Core TM i5 – 4590 CPU @ 3.3GHz,5th Gen	Maximum of 8	M.Kavin	Hardware En	B.Sc (CS)
11	Advanced Data Structure Lab	66	Hardware: Intel® Core TM i5 – 4590 CPU @ 3.3GHz,5th Gen	Maximum of 8	Mr.D. Logana	Hardware En	BCA
12	Big Data and Analytics Laboratory	66	Hardware: Intel® Core TM i5 – 4590 CPU @ 3.3GHz,5th Gen	Maximum of 8	Mrs.R.Umam	Lab Assistant	B.SC(CT)
13	Project Lab	66	Hardware: Intel I3 Processor Hard Disk: 500 GB Memory: 8GB DDR II	Maximum of 8	P.Mohankuma	Network Engi	B.E
14	Research Lab	66	Hardware: Intel I3 Processor Hard Disk: 1TB Memory: 4GB DDR II	Maximum of 8	Mrs.R.Umam	Lab Assistant	B.SC(CT)

D2. Safety Measures in Laboratories

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

Sr. No	Laboratory Name	Safety Measures
1	Problem Solving Techniques Laboratory	• First aid box and fire extinguisher are kept in all the laboratories. • Periodical servicing of the lab equipment. • Specific safety rules for students displayed. • All labs are under CCTV surveillance. • Proper room condition is maintained(AC's, window vents). • Proper Ground voltage has been checked every year, In order to maintain the neutral voltage. • Periodic network test has been done. • Smoke detectors are installed. • Circuit breakers are available in all the labs
2	C Programming Laboratory	• First aid box and fire extinguisher are kept in all the laboratories. • Periodical servicing of the lab equipment. • Specific safety rules for students displayed. • All labs are under CCTV surveillance. • Proper room condition is maintained(AC's, window vents). • Proper Ground voltage has been checked every year, In order to maintain the neutral voltage. • Periodic network test has been done. • Smoke detectors are installed. • Circuit breakers are available in all the labs
3	Python Programming Laboratory	• First aid box and fire extinguisher are kept in all the laboratories. • Periodical servicing of the lab equipment. • Specific safety rules for students displayed. • All labs are under CCTV surveillance. • Proper room condition is maintained(AC's, window vents). • Proper Ground voltage has been checked every year, In order to maintain the neutral voltage. • Periodic network test has been done. • Smoke detectors are installed. • Circuit breakers are available in all the labs
4	Data Structure Laboratory	• First aid box and fire extinguisher are kept in all the laboratories. • Periodical servicing of the lab equipment. • Specific safety rules for students displayed. • All labs are under CCTV surveillance. • Proper room condition is maintained(AC's, window vents). • Proper Ground voltage has been checked every year, In order to maintain the neutral voltage. • Periodic network test has been done. • Smoke detectors are installed. • Circuit breakers are available in all the labs
5	Operating Systems Laboratory	• First aid box and fire extinguisher are kept in all the laboratories. • Periodical servicing of the lab equipment. • Specific safety rules for students displayed. • All labs are under CCTV surveillance. • Proper room condition is maintained(AC's, window vents). • Proper Ground voltage has been checked every year, In order to maintain the neutral voltage. • Periodic network test has been done. • Smoke detectors are installed. • Circuit breakers are available in all the labs

6	Java Programming Laboratory	• First aid box and fire extinguisher are kept in all the laboratories. • Periodical servicing of the lab equipment. • Specific safety rules for students displayed. • All labs are under CCTV surveillance. • Proper room condition is maintained(AC's, window vents). • Proper Ground voltage has been checked every year, In order to maintain the neutral voltage. • Periodic network test has been done. • Smoke detectors are installed. • Circuit breakers are available in all the labs
7	DBMS Laboratory	• First aid box and fire extinguisher are kept in all the laboratories. • Periodical servicing of the lab equipment. • Specific safety rules for students displayed. • All labs are under CCTV surveillance. • Proper room condition is maintained(AC's, window vents). • Proper Ground voltage has been checked every year, In order to maintain the neutral voltage. • Periodic network test has been done. • Smoke detectors are installed. • Circuit breakers are available in all the labs
8	Web Programming Laboratory	• First aid box and fire extinguisher are kept in all the laboratories. • Periodical servicing of the lab equipment. • Specific safety rules for students displayed. • All labs are under CCTV surveillance. • Proper room condition is maintained(AC's, window vents). • Proper Ground voltage has been checked every year, In order to maintain the neutral voltage. • Periodic network test has been done. • Smoke detectors are installed. • Circuit breakers are available in all the labs
9	Computer Networks Laboratory	• First aid box and fire extinguisher are kept in all the laboratories. • Periodical servicing of the lab equipment. • Specific safety rules for students displayed. • All labs are under CCTV surveillance. • Proper room condition is maintained(AC's, window vents). • Proper Ground voltage has been checked every year, In order to maintain the neutral voltage. • Periodic network test has been done. • Smoke detectors are installed. • Circuit breakers are available in all the labs
10	C# and .Net Framework Laboratory	• First aid box and fire extinguisher are kept in all the laboratories. • Periodical servicing of the lab equipment. • Specific safety rules for students displayed. • All labs are under CCTV surveillance. • Proper room condition is maintained(AC's, window vents). • Proper Ground voltage has been checked every year, In order to maintain the neutral voltage. • Periodic network test has been done. • Smoke detectors are installed. • Circuit breakers are available in all the labs
11	Graphics& Multimedia Laboratory	• First aid box and fire extinguisher are kept in all the laboratories. • Periodical servicing of the lab equipment. • Specific safety rules for students displayed. • All labs are under CCTV surveillance. • Proper room condition is maintained(AC's, window vents). • Proper Ground voltage has been checked every year, In order to maintain the neutral voltage. • Periodic network test has been done. • Smoke detectors are installed. • Circuit breakers are available in all the labs
12	Advanced Data Structure Laboratory	• First aid box and fire extinguisher are kept in all the laboratories. • Periodical servicing of the lab equipment. • Specific safety rules for students displayed. • All labs are under CCTV surveillance. • Proper room condition is maintained(AC's, window vents). • Proper Ground voltage has been checked every year, In order to maintain the neutral voltage. • Periodic network test has been done. • Smoke detectors are installed. • Circuit breakers are available in all the labs
13	Advanced Data Structure Laboratory	• First aid box and fire extinguisher are kept in all the laboratories. • Periodical servicing of the lab equipment. • Specific safety rules for students displayed. • All labs are under CCTV surveillance. • Proper room condition is maintained(AC's, window vents). • Proper Ground voltage has been checked every year, In order to maintain the neutral voltage. • Periodic network test has been done. • Smoke detectors are installed. • Circuit breakers are available in all the labs
14	Cloud Computing Laboratory	• First aid box and fire extinguisher are kept in all the laboratories. • Periodical servicing of the lab equipment. • Specific safety rules for students displayed. • All labs are under CCTV surveillance. • Proper room condition is maintained(AC's, window vents). • Proper Ground voltage has been checked every year, In order to maintain the neutral voltage. • Periodic network test has been done. • Smoke detectors are installed. • Circuit breakers are available in all the labs
15	Advanced Algorithm Laboratory	• First aid box and fire extinguisher are kept in all the laboratories. • Periodical servicing of the lab equipment. • Specific safety rules for students displayed. • All labs are under CCTV surveillance. • Proper room condition is maintained(AC's, window vents). • Proper Ground voltage has been checked every year, In order to maintain the neutral voltage. • Periodic network test has been done. • Smoke detectors are installed. • Circuit breakers are available in all the labs

16	Big Data and Analytics Laboratory	• First aid box and fire extinguisher are kept in all the laboratories. • Periodical servicing of the lab equipment. • Specific safety rules for students displayed. • All labs are under CCTV surveillance. • Proper room condition is maintained(AC's, window vents). • Proper Ground voltage has been checked every year, In order to maintain the neutral voltage. • Periodic network test has been done. • Smoke detectors are installed. • Circuit breakers are available in all the labs

D3. Project Laboratory/Research Laboratory

Table 7.5.1: **List of Project Laboratory/Research Laboratory /Centre of Excellence**

S. No.	Name of the Laboratory
1	Centre of Academic Excellence
2	VIRTUSA - Center of Excellence for Software Testing and CRM
3	Aspire Systems - Center of Excellence for Software Development
4	Augusta Hi-Tech Center of Excellence (CoE) on Block chain
5	Project / Research Laboratory

1. Centre of Academic Excellence (CoAE)

<table>
<tr><th colspan="2">EMC^2 Center of academic Excellence (CoAE)
Data Science & Big Data Analytics Laboratory</th></tr>
<tr><th>Client Configuration</th><th>Server Configuration</th></tr>
<tr><td>Intel® Core™ i3-6100 CPU @ 3.70GHz
1 TB HDD
4 GB DDRIIRAM
Lenovo Mouse
Lenovo Key Board
Lenovo 19.5’LED Backlit LCD Monitor</td><td>Intel® Xeon ®CPU 3065@2.33GHz (mailto:3065@2.33GHz)
1 TB HDD
8GB X 3 slots DDRII RAM
Wipro Net power cabinet
Wipro Mouse & Key Board
Wipro WLK 171W 17’ TFD – LED Monitor</td></tr>
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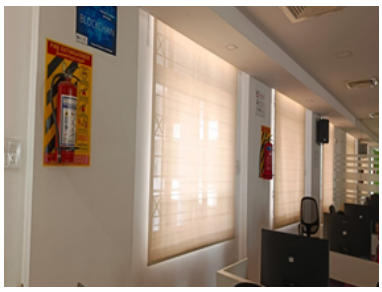
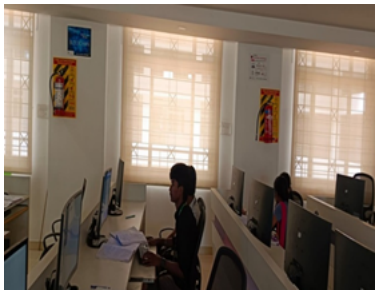
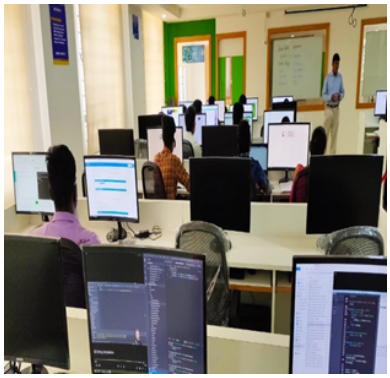
<tr><td>  </td><td>  </td></tr>
</table>

2. Virtusa - Center of Excellence for Software Testing and CRM

Virtusa - Software Testing & CRM	
Client Configuration **(Dell Optiplex 3020) (40 Systems**	**Server Configuration** **(HP) (10 Systems)**
• Intel® Core TM i5 – 4590 CPU @ 3.10 GHz,5th Generation • 1 TB SATA Hard Disk Drive • 12GB DDR III 166MHz RAM • 21" LED Monitor • Windows 10 64 Bit	• Intel® Core TM i5 – 3470s CPU @ 3.20 GHz,5th Generation • 500GB SATA Hard Disk Drive • 8GB DDR III 166MHz RAM • 21" LED Monitor • Windows 10 64 Bit
	
	

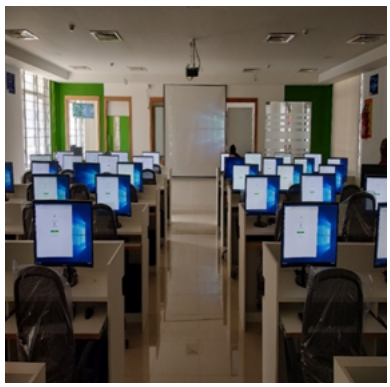
3. Aspire Systems - Centre of Excellence for Software Development

Aspire Systems Laboratory	
Client Configuration (DELL) (50 Systems)	
• DELL Intel® Core TM i5 – 3470 CPU @ 3.20GHz • 500GB SATA Hard Disk Drive • 8GB DDR III 166MHz RAM • Samsung 24" LED Curved Monitor • Keyboard with optical mouse • Windows 10 64 bit	




4. Augusta Hi-Tech Centre of Excellence (CoE) on Block chain

Block Chain Laboratory	
Client Configuration (DELL) (50 Systems)	
• DELL Intel® Core TM i5 – 3470 CPU @ 3.20GHz • 500GB SATA Hard Disk Drive • 8GB DDR III 166MHz RAM • Samsung 24” LED Curved Monitor • Keyboard with optical mouse • Windows 10 64 bit	
	



5. Project / Research Laboratory

- Student innovative corridor and Project/Research lab are utilized by the students for their projects
- Discussions and implementations of innovative ideas about projects are carried out in innovative corridor
- Project/Research lab is exclusively for the research and project work with the hardware and software.

Equipment's Available in Project / Research Laboratory

Name of the Laboratory	Equipment Configurations	Quantity
Project Lab	Intel I3 Processor RAM – 4GB HDD – 1TB Monitor – 19.5 Inch	30
Research Lab	Intel I3 Processor RAM – 4GB HDD – 1TB Monitor – 19.5 Inch	30

Software Facilities

Table 7.5.2: Details of Software Facilities

S.No.	Software Description with User License	Nature of Software	Validity
1	Microsoft Security Essentials	System Software's	Life Time
2	Microsoft windows 7 Enterprise Edition		Life Time
3	Ubuntu 16.04		Life Time
4	Visual studio .NET pro full Pack	Application Software Licensed	Life Time
5	Microsoft campus Agreement		Life Time
6	Oracle 11G		Life Time
7	K7 Antivirus		2018-2021
8	Microsoft SQL Developer		Life Time
9	Microsoft windows 7		Life Time
10	Microsoft windows 10		Life Time
11	Microsoft office suite		Life Time

S.No.	Software Description with User License	Nature of Software	Validity
12	Mongodb – 3.6	Application Software Freeware	Freeware
13	JAVA SE7		Freeware
14	JDK – 8		Freeware
15	Apache Tom Cat 8		Freeware
16	Vmware-5.0.20		Freeware
17	NetSim 10		Freeware
18	NS2 Simulator		Freeware
19	Turbo C++- 4.5		Freeware
20	Android Studio–3.2.10		Freeware
21	MySQL 5.6		Freeware
22	Codes Block- 17.12		Freeware
23	Hadoop Framework		Freeware
24	Eclipse neo		Freeware
25	Python – 3.7.0		Freeware
26	XAMPP Server – 7.2.8		Freeware
27	Wamp Server – 3.1.7	Application SoftwareFreeware	Freeware
28	Net beans -9.0		Freeware
29	Moodle server -3.5.4		Freeware
30	R Studio – 1.1.463		Freeware
31	Weka tool -3-8-3		Freeware
32	Raptor	Application Software Freeware	Freeware
33	Flowgorithm		Freeware
34	gpg4win		Freeware
35	netstumblerinstaller_0_4_0		Freeware
36	Selinium IDE		Freeware
37	Jmeter		Freeware
38	Bugzilla		Freeware

Utilization of Project Laboratory

- Adequate well equipped laboratories to run all Program- specific curriculums
- Availability of computing facilities for the department exclusively
- Availability of laboratories with technical support within and beyond working hours

Table 7.5.3: Details of the Projects Done in Project Laboratory

S.No. Students	Name of the Student	Title of the Project	Name of the Guide	AcademicYear	Relavance POs/PSOs
1	Jovitha D Sheeba R AjmalBasha R	Discharge Prediction For Critical Patients Using Machine Learning Technology	Dr. V. Vennila	2022–2023	PO2, PO3, PO5, PO7, PSO1

S.No. Students	Name of the Student	Title of the Project	Name of the Guide	AcademicYear	Relavance POs/PSOs
2	ManyaDharshini S Kalaiyarasan P	Efficient Image Authentication Using Various Cryptosystems Approach	Dr.K.Venkatesh Guru	2022–2023	PO1, PO2, PO3, PO5,PO12
3	Yaazhini P Reshma V Vignesh U	Deep Learning Based Person Identification Using Convolutional Neural Network	Dr.C. Anand	2022–2023	PO1, PO2, PO3, PO5, PSO1, PSO2
4	Boobalan V Kabilan E LingeshPrabhu	A Systematic Literature Review Of Cloud Computing Security Using Threats And Mitigation Strategies	Dr. V. Sharmila	2023–2024	PO1, PO4, PO6, PO10, PSO2,PSO3
5	Preethika M Shanmathi S Thaarani S	Agricultural Crop Recommendations Based On Productivity Using Support Vector Machine	Dr. A. Rajiv Kannan	2023–2024	PO1, PO2, PO3, PO5, PSO1,PSO2
6	Ravipravin M Sirijanran A Yugapriyan S	Deep Learning Approaches For Brain Disease Diagnosis	Dr.E. Baby Anitha	2023–2024	PO1, PO2, PO3, PO5, PO9, PSO1,PSO2

PART E: First Year faculty and financial Resources

(Data to be filled in for the first year course faculty and budget allocation and utilization)

E1. First Year Student-Faculty Ratio (FYSFR)

Table No. E1.1: FYSFR details.

Year	Sanctioned intake of all UG programs (S4)	No. of required faculty (RF4= S4/20)	No. of faculty members in Basic Science Courses & Humanities and Social Sciences including Management courses (NS1)	No. of faculty members in Engineering Science Courses (NS2)	Percentage= No. of faculty members ((NS1*0.8) + (NS2*0.2))/(No. of required faculty (RF4)); Percentage= ((NS1*0.8) + (NS2*0.2))/RF
2022-23(CAYm2)	480	24	27	6	95
2023-24(CAYm1)	540	27	28	16	95
2024-25(CAY)	990	50	47	15	81

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

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

Items	Budgeted in 2024-2025	Actual Expenses in 2024-2025 till	Budgeted in 2023-2024	Actual Expenses in 2023-2024 till	Budgeted in 2022-2023	Actual Expenses in 2022-2023 till	Budgeted in 2021-2022	Actual Expenses in 2021-2022 till
Infrastructure Built-Up	50.00	13.24	65.00	57.03	155.00	145.85	50.00	46.12
Library	32.00	5.31	42.00	40.71	32.50	31.74	25.00	24.21

Laboratory equipment	94.50	83.70	53.50	50.61	65.00	63.02	25.50	23.43
Teaching and non-teaching staff	1655.00	1502.28	1199.00	1194.87	1113.00	1107.25	690.00	650.66
Outreach Programs	5.00	4.55	5.00	4.65	4.50	4.26	4.00	3.46
R&D	29.50	26.13	25.50	24.44	12.00	10.73	8.50	7.23
Training, Placement and	98.50	90.70	55.50	53.56	55.00	52.78	30.00	26.47
SDGs	5.00	4.57	5.00	5.01	4.00	3.45	4.00	3.37
Entrepreneurship	25.00	24.28	2.00	1.63	0.60	0.29	0.40	0.08
Others, specify	680.50	578.25	607.00	571.17	452.00	411.75	323.00	221.66
Total	**2675.00**	**2333.01**	**2059.50**	**2003.68**	**1893.60**	**1831.12**	**1160.40**	**1006.69**

E3. Budget Allocation, Utilization, and Public Accounting at Program Specific Level

Table No. E3.1: Budget and actual expenditure incurred at program level.

Items	**Budgeted in 2024-2025**	**Actual Expenses in 2024-2025 till**	**Budgeted in 2023-2024**	**Actual Expenses in 2023-2024 till**	**Budgeted in 2022-2023**	**Actual Expenses in 2022-2023 till**	**Budgeted in 2021-2022**	**Actual Expenses in 2021-2022 till**
Laboratory equipment	15.60	14.67	0.25	0.12	0.40	0.32	0.20	0.19
Software	5.10	4.82	3.95	3.80	8.80	8.50	0.00	0.00
SDGs	1.20	1.04	1.10	0.98	0.60	0.50	0.90	0.80
Support for faculty development	2.60	2.39	1.10	0.99	1.10	1.03	0.85	0.68
R & D	3.30	3.12	3.45	3.31	2.25	2.08	2.75	2.55
Industrial Training, Industry expert,	15.25	14.12	16.25	16.09	12.30	11.77	3.30	3.22
Miscellaneous	11.45	10.41	11.50	10.39	9.85	9.11	4.75	4.09
Total	**54.50**	**50.57**	**37.60**	**35.68**	**35.30**	**33.31**	**12.75**	**11.53**