

## NATIONAL BOARD OF ACCREDITATION

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

<b>Program Name :</b> Computer Science and Engineering	<b>Discipline:</b> Engineering & Technology
<b>Level :</b> Under Graduate	<b>Tier:</b> 1
<b>Application No:</b> 10052	<b>Date of Submission:</b> 25-02-2025

### PART A- Profile of the Institute

<b>A1.Name of the Institute:</b> VELAMMAL COLLEGE OF ENGINEERING AND TECHNOLOGY	
Year of Establishment : 2007	Location of the Institute: Madurai
<b>A2. Institute Address:</b> Velammal College of Engineering and Technology,Madurai Rameswaram High Road,Velammal Nagar, Viraganoor Madurai 625 009.	
City:Madurai	State:Tamil Nadu
Pin Code:625009	Website:www.vcet.ac.in
Email:principal@vcet.ac.in	Phone No(with STD Code):0452-2465289
<b>A3. Name and Address of the Affiliating University (if any):</b>	
Name of the University : ANNA UNIVERSITY CHENNAI	City: Madurai
State : Tamil Nadu	Pin Code: 625009
<b>A4. Type of the Institution:</b> Autonomous CAY(2021-22)	
<b>A5. Ownership Status:</b> Self financing	

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

- No. of UG programs: 9
- No. of PG programs: 5

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	2023	--	Artificial Intelligence and Data Science
2	Engineering & Technology	UG	Civil Engineering	2011	--	Civil Engineering
3	Engineering & Technology	PG	Communication Systems	2011	--	Electronics and Communication Engineering
4	Engineering & Technology	UG	Computer Science and Engineering	2007	--	Computer Science and Engineering
5	Engineering & Technology	PG	Computer Science and Engineering	2011	--	Computer Science and Engineering
6	Engineering & Technology	UG	Computer Science and Engineering (Cyber Security)	2024	--	Computer Science and Engineering (Cyber Security)
7	Engineering & Technology	UG	Electrical and Electronics Engineering	2007	--	Electrical and Electronics Engineering
8	Engineering & Technology	UG	Electronics & Communication Engineering	2007	--	Electronics and Communication Engineering

9	Engineering & Technology	UG	Electronics Engineering (VLSI Design and Technology)	2024	--	Electronics Engineering (VLSI Design and Technology)
10	Engineering & Technology	UG	Information Technology	2007	--	Information Technology
11	Engineering & Technology	PG	Manufacturing Engineering	2011	--	Mechanical Engineering
12	Engineering & Technology	UG	Mechanical Engineering	2008	--	Mechanical Engineering
13	Engineering & Technology	PG	Network Engineering	2012	--	Information Technology
14	Engineering & Technology	PG	Power Systems Engineering	2013	--	Electrical and Electronics 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
Mechanical Engineering	No	Mechanical Engineering	UG
Electronics and Communication Engineering	Yes	Electronics & Communication Engineering	UG
Computer Science and Engineering	Yes	Computer Science and Engineering	UG
Information Technology	Yes	Information Technology	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	Artificial Intelligence and Data Science	UG
Computer Science and Engineering	Computer Science and Engineering (Cyber Security)	UG
Computer Science and Engineering	Information Technology	UG
Computer Science and Engineering	Network Engineering	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/COMPETENT AUTHORITY ARROVAL DETAILS	ACCREDITATION STATUS	FROM	TO	NO. OF TIMES PROGRAM ACCREDITE
1	Computer Science and Engineering	UG	2007 / --	60	Yes	2022	180	2022	2024-2025 EOA Issued on F.No.Southern/1-43664989643/2024/EOA 20-May-2024	Granted accreditation for 3 years for the period (specify period)	2022	2025	2

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

Academic Year	Sanctioned Intake
2024-25	180
2023-24	180
2022-23	180
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	AICTE/COMPETENT AUTHORITY ARROVAL DETAILS	ACCREDITATION STATUS
1	Computer Science and Engineering	Information Technology	UG	2007 / --	60	Yes	2022	120	2022	Southern/1- 10976150071/2 022/EOA Southern/1- 7013849544/20 20/EOA	Eligible but not applied

**Sanctioned Intake for Last Five Years for the Information Technology**

Academic Year	Sanctioned Intake
2024-25	120
2023-24	120
2022-23	120
2021-22	90
2020-21	90
2019-20	60

2	Computer Science and Engineering	Network Engineering	PG	2012 / --	18	Yes	2020	9	2012	F.No. Southern/1-43664989643/2024/EOA/Corrigendum-1 Date of Approval:26-Jun-2024	Eligible but not applied
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**Sanctioned Intake for Last Five Years for the Network Engineering**

Academic Year	Sanctioned Intake
2024-25	9
2023-24	9
2022-23	9
2021-22	9
2020-21	9
2019-20	18

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
3	Computer Science and Engineering	Artificial Intelligence and Data Science	UG	2023 / --	60	No	NA	60	2023	F.No. Southern/1-43664989643/2024/EOA/Corrigendum-1 Date of Approval:26-Jun-2024	Not eligible for accreditation
4	Computer Science and Engineering	Computer Science and Engineering (Cyber Security)	UG	2024 / --	60	No	NA	60	2024	F.No. Southern/1-43664989643/2024/EOA/Corrigendum-1 Date of Approval:26-Jun-2024	Not eligible for accreditation

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

A. Name of the HoD :	Dr. R. Perumalraja
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)
N1=Sanctioned intake of the program (as per AICTE /Competent authority)	180	180	180	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	186	187	189	125	115	124	110
N2=Number of students admitted in 2nd year in the same batch via lateral entry including leftover seats	0	7	9	5	8	3	3
N3=Separate division if any	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	194	198	130	123	127	113
N4=Total no. of students admitted in the 1st year via all supernumerary quotas	0	0	0	0	0	0	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]
2024-25 (CAY)	180	0	0	103.33
2023-24 (CAYm1)	180	0	0	103.89
2022-23 (CAYm2)	180	0	0	105.00

Average [ (ER1 + ER2 + ER3) / 3 ] = 104.07 ≈ 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).	121.00	128.00	113.00
B=No. of students who graduated from the program in the stipulated course duration	115.00	123.00	109.00
Success Rate (SR)=(B/A) * 100	95.04	96.09	96.46

Average SR of three batches ((SR\_1+ SR\_2+ SR\_3)/3): 95.86

**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)	7.99	8.15	8.03
Y=Total no. of successful students	169.00	173.00	109.00
Z=Total no. of students appeared in the examination	182.00	189.00	125.00
API [X*(Y/Z)]	7.42	7.46	7.00

Average API[ (AP1+AP2+AP3)/3 ] : 7.29

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

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

Academic Performance	CAYm1 ( 2023-24 )	CAYm2 ( 2022-23 )	CAYm3 ( 2021-22 )
X=(Mean of 2nd year grade point average of all successful students on a 10-point scale) or (Mean of the percentage of marks of all successful students in 2nd year/10)	8.08	8.30	8.62
Y=Total no. of successful students	172.00	108.00	115.00
Z=Total no. of students appeared in the examination	182.00	114.00	124.00
API [ X * (Y/Z) ]	7.64	7.86	7.99

Average API [ (AP1 + AP2 + AP3)/3 ] : 7.83

**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)	7.88	8.09	8.37
Y=Total no. of successful students	85.00	115.00	123.00

Z=Total no. of students appeared in the examination	108.00	115.00	123.00
API [ X*(Y/Z) ]:	6.20	8.09	8.37

Average API [ (AP1 + AP2 + AP3)/3 ] : 7.55

#### 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	128.00	123.00	123.00
X=No. of students placed	80.00	104.00	92.00
Y=No. of students admitted to higher studies	7.00	1.00	10.00
Z=Total no. of students appeared in the examination	0.00	0.00	0.00
Placement Index(P) = (((X + Y + Z)/FS) * 100):	67.97	85.37	82.93

Average Placement Index = (P\_1 + P\_2 + P\_3)/3: 78.76 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.P.Alli	XXXXXXX27R	MS and PhD	Madurai Kamaraj University	Image Processing, Network Security, Cryptography, Internet of Things, Cyber Security	28/05/2009	15.8	Professor	Professor	28/05/2009	Regular	Yes		No
2	Dr.J.V.Anchitaalagammai	XXXXXXX49C	ME/M. Tech and PhD	Anna University	Network Security, Cryptography, Internet of Things, Cyber Security, Block Chain Technology	21/03/2011	13.10	Assistant Professor	Professor	01/08/2023	Regular	Yes		No

3	Dr.A.M.Rajeswari	XXXXXXX31K	ME/M. Tech and PhD	Anna University	Databases, Data Mining, Outlier Detection, Machine Learning, Artificial Intelligence	09/08/2021	3.5	Associate Professor	Associate Professor	09/08/2021	Regular	Yes		No
4	Dr.S.Ponmalar	XXXXXXX18D	ME/M. Tech and PhD	Anna University	Optical Communication and Networks, Internet of Things, Machine Learning	05/07/2022	2.6	Associate Professor	Associate Professor	05/07/2022	Regular	Yes		No
5	Dr.M.Annalakshmi	XXXXXXX64E	ME/M. Tech and PhD	Anna University	Image Processing, Computer Vision and Pattern Recognition	03/06/2024	0.7	Associate Professor	Associate Professor	03/06/2024	Regular	Yes		No
6	Dr.V.Akilandeswari	XXXXXXX83R	ME/M. Tech and PhD	Anna University	Network Security& Machine Learning	03/06/2024	0.7	Associate Professor	Associate Professor	03/06/2024	Regular	Yes		No
7	Dr.S.SenthilKumar	XXXXXXX28N	ME/M. Tech and PhD	Anna University	Communication	03/06/2024	0.7	Associate Professor	Associate Professor	03/06/2024	Regular	Yes		No
8	Mrs.C.B.Selva Lakshmi	XXXXXXX76H	M.E/M.Tech	Anna University	Data Mining	07/06/2010	14.7	Assistant Professor	Assistant Professor		Regular	Yes		No
9	Mr.KR.Senthil Murugan	XXXXXXX43F	M.E/M.Tech	Anna University	Deep Learning, Medical Image Processing	10/06/2022	2.7	Assistant Professor	Assistant Professor		Regular	Yes		No
10	Mrs.S.Padma Devi	XXXXXXX54H	M.E/M.Tech	Anna University	Wireless Networks &Mobile App	14/07/2010	14.6	Assistant Professor	Assistant Professor		Regular	Yes		No
11	Dr..S.Kavitha	XXXXXXX57N	ME/M. Tech and PhD	Anna University	Deep learning, Network security	04/06/2012	12.7	Assistant Professor	Assistant Professor		Regular	Yes		No
12	Ms.J.Shanthalakshmi Revathy	XXXXXXX39R	M.E/M.Tech	Anna University	Data Analytics	01/06/2012	12.7	Assistant Professor	Assistant Professor		Regular	Yes		No
13	Mrs.R.Sarala	XXXXXXX57C	M.E/M.Tech	Anna University	Image Processing,IOT	02/06/2014	10.8	Assistant Professor	Assistant Professor		Regular	Yes		No
14	Mr.S.Murali	XXXXXXX79M	M.E/M.Tech	Anna University	IoT,Software Testing	08/06/2009	15.7	Assistant Professor	Assistant Professor		Regular	Yes		No
15	Mrs.S.Sangeetha	XXXXXXX71M	M.E/M.Tech	Karunya University	Data Mining, Data Science	03/06/2024	0.7	Assistant Professor	Assistant Professor		Regular	Yes		No

16	Mr.G.Ram Sankar	XXXXXXX41B	M.E/M.Tech	Anna University	IoT,Software Testing	05/06/2024	0.7	Assistant Professor	Assistant Professor		Regular	Yes		No
17	Mrs.V.Lavanya	XXXXXXX49K	M.E/M.Tech	Anna University	Image Processing,IoT	03/06/2013	11.7	Assistant Professor	Assistant Professor		Regular	Yes		No
18	Mrs.K.Santha Sheela	XXXXXXX36F	M.E/M.Tech	Anna University	IoT	15/02/2017	7.11	Assistant Professor	Assistant Professor		Regular	Yes		No
19	Mrs.Arunkumar Sakthi.K	XXXXXXX70G	M.E/M.Tech	Anna University	Machine Learning	20/04/2022	2.9	Assistant Professor	Assistant Professor		Regular	Yes		No
20	Mr.Bala Murali Krishnan G	XXXXXXX05L	M.E/M.Tech	Anna University	Block Chain, Data Science, Cloud Computing, Network Security	20/04/2022	2.9	Assistant Professor	Assistant Professor		Regular	Yes		No
21	Mrs.Sahebzathi.S	XXXXXXX16C	M.E/M.Tech	Anna University	Artificial Intelligence and Machine Learning	03/08/2023	1.5	Assistant Professor	Assistant Professor		Regular	Yes		No
22	Mrs.Swedheetha.C	XXXXXXX07E	M.E/M.Tech	Anna University	Communication systems	11/08/2023	1.5	Assistant Professor	Assistant Professor		Regular	Yes		No
23	Mrs.P.Bharathi	XXXXXXX50Q	M.E/M.Tech	SRM University	Big Data	01/09/2023	1.4	Assistant Professor	Assistant Professor		Regular	Yes		No
24	Mrs.Niranjan R	XXXXXXX65P	M.E/M.Tech	Anna University	Artificial Intelligence	11/09/2023	1.4	Assistant Professor	Assistant Professor		Regular	Yes		No
25	Mrs.R.Pavithra	XXXXXXX86D	M.E/M.Tech	Anna University	Cloud computing	03/06/2024	0.7	Assistant Professor	Assistant Professor		Regular	Yes		No
26	Mrs.N.P.Rajeswari	XXXXXXX45A	M.E/M.Tech	Anna University	Computer Networks and Image Processing	03/06/2024	0.7	Assistant Professor	Assistant Professor		Regular	Yes		No
27	Mrs.T.Saranya	XXXXXXX78C	M.E/M.Tech	Kalasalingam University	Cloud Computing, IoT,Networks	03/06/2024	0.7	Assistant Professor	Assistant Professor		Regular	Yes		No
28	Mrs.D.Jansi Rani	XXXXXXX31F	M.E/M.Tech	Anna University	Cloud computing	10/06/2024	0.7	Assistant Professor	Assistant Professor		Regular	Yes		No
29	Mrs.A.Benazir Begum	XXXXXXX93A	M.E/M.Tech	Anna University	Computer Networks ,Cloud Computing	19/06/2024	0.7	Assistant Professor	Assistant Professor		Regular	Yes		No
30	Mr.B.Sakthi karthi Durai	XXXXXXX33J	M.E/M.Tech	Kalasalingam University	Image Processing, Data Mining	24/08/2021	1.8	Assistant Professor	Assistant Professor		Regular	No	29/04/2023	No
31	Dr.S.Sasikala	XXXXXXX41R	ME/M. Tech and PhD	Anna University	Data mining, machine learning and deep learning	05/08/2019	5.5	Associate Professor	Professor	01/08/2023	Regular	Yes		No

32	Dr.T.Grace Shalini	XXXXXXXX73E	ME/M. Tech and PhD	Anna University	Wireless Sensor Network	15/06/2017	6.1	Assistant Professor	Assistant Professor		Regular	No	01/08/2023	No
33	Dr.R.Deepalakshmi	XXXXXXXX98E	ME/M. Tech and PhD	Anna University	High performance communication networks, IoT, cyber Security	03/05/2007	16.11	Assistant Professor	Professor	01/08/2014	Regular	No	30/03/2024	No
34	Dr.G.Vinod Chakkaravarthy	XXXXXXXX04A	ME/M. Tech and PhD	Anna University	Network Security, Cryptography, Internet of Things, Cyber Security, Block Chain Technology	01/06/2009	15.8	Assistant Professor	Professor	01/08/2023	Regular	Yes		No
35	Mr.K.Azarudeen	XXXXXXXX76M	M.E/M.Tech	Anna University	Compiler Design	01/06/2012	12.7	Assistant Professor	Assistant Professor		Regular	Yes		No
36	Dr. R. Perumalraja	XXXXXXXX84N	ME/M. Tech and PhD	Carleton University	Wireless Networks and Security	30/09/2013	11.4	Associate Professor	Professor	01/07/2014	Regular	Yes		Yes

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 HOI
1	Dr. R. Kavitha	XXXXXXXX66J	XXXXXXXXXX770	ME/M. Tech and PhD	Anna University	Software Engineering and Data Mining	01/06/2007	17.7	Assistant Professor	Professor	01/04/2014	Regular	Yes		Yes
2	Dr. S. Kamalesh	XXXXXXXX59L	XXXXXXXXXX635	ME/M. Tech and PhD	Anna University	Wireless Sensor Networks, Artificial Intelligence/ Machine learning	20/01/2010	15	Assistant Professor	Professor	01/08/2023	Regular	Yes		No
3	Dr. R.Allen Joseph	XXXXXXXX29M	XXXXXXXXXX111	ME/M. Tech and PhD	Anna University	Artificial Intelligence and IoT	03/06/2024	0.8	Associate Professor	Associate Professor		Regular	Yes		No
4	Mrs. M. Prabha	XXXXXXXX94L	XXXXXXXXXX879	M.E/M.Tech	Kalasalingam University	Artificial Intelligence/Machine Learning and Cloud Computing	01/06/2013	11.7	Assistant Professor	Assistant Professor		Regular	Yes		No
5	Mrs.P.Saraswathi	XXXXXXXX95M	XXXXXXXXXX035	M.E/M.Tech	Kalasalingam University	Artificial Intelligence/Machine Learning	03/06/2013	11.7	Assistant Professor	Assistant Professor		Regular	Yes		No
6	Mr.S.Jegadeesan	XXXXXXXX23C	XXXXXXXXXX724	M.E/M.Tech	Anna University	Machine Learning, Network Security	15/06/2017	7.7	Assistant Professor	Assistant Professor		Regular	Yes		No

7	Ms.R.Nancy Deborah	XXXXXXXX74F	XXXXXXXXX119	M.E/M.Tech	Anna University	Artificial Intelligence, Data Science	16/07/2018	6.6	Assistant Professor	Assistant Professor		Regular	Yes		No
8	Mr. A. Gobinath	XXXXXXXX81P	XXXXXXXXX655	M.E/M.Tech	Anna University	Communications, IoT	03/03/2021	3.10	Assistant Professor	Assistant Professor		Regular	Yes		No
9	Mrs. C. Manjula Devi	XXXXXXXX00D	XXXXXXXXX601	M.E/M.Tech	Anna University	Machine Learning, Internet of Things	25/08/2021	3.5	Assistant Professor	Assistant Professor		Regular	Yes		No
10	Mrs. A. Vinora	XXXXXXXX85E	XXXXXXXXX006	M.E/M.Tech	Anna University	Artificial Intelligence/Machine Learning	05/08/2022	2.5	Assistant Professor	Assistant Professor		Regular	Yes		No
11	Mr. A. Srinivasan	XXXXXXXX51P	XXXXXXXXX364	M.E/M.Tech	Anna University	Artificial Intelligence/Machine Learning, IoT	11/08/2022	2.5	Assistant Professor	Assistant Professor		Regular	Yes		No
12	Mr. P. Kalyana Kumar	XXXXXXXX15L	XXXXXXXXX196	M.E/M.Tech	Anna University	Network security	11/08/2022	2.5	Assistant Professor	Assistant Professor		Regular	Yes		No
13	Ms. G. Sivakarthi	XXXXXXXX08M	XXXXXXXXX779	M.E/M.Tech	Anna University	Networks and IoT	01/08/2022	2.5	Assistant Professor	Assistant Professor		Regular	Yes		No
14	Ms. M. Soundarya	XXXXXXXX29E	XXXXXXXXX052	M.E/M.Tech	Anna University	Artificial Intelligence/Machine Learning	23/01/2023	1.11	Assistant Professor	Assistant Professor		Regular	Yes		No
15	Mr. R. Umesh	XXXXXXXX40L	XXXXXXXXX668	M.E/M.Tech	Anna University	Artificial intelligence, Data science	02/08/2023	1.5	Assistant Professor	Assistant Professor		Regular	Yes		No
16	Mrs. J. John Shiny	XXXXXXXX43K	XXXXXXXXX632	M.E/M.Tech	Anna University	Artificial Intelligence, Cloud Computing	02/08/2023	1.5	Assistant Professor	Assistant Professor		Regular	Yes		No
17	Mrs. A. Periya Nayaki	XXXXXXXX34M	XXXXXXXXX998	M.E/M.Tech	Anna university	Machine learning	01/09/2023	1.4	Assistant Professor	Assistant Professor		Regular	Yes		No
18	Mr. K. Penyameen	XXXXXXXX62C	XXXXXXXXX932	M.E/M.Tech	Anna University	Communications, Image Processing	13/09/2023	1.4	Assistant Professor	Assistant Professor		Regular	Yes		No
19	Mrs. A. Elavarasi	XXXXXXXX95Q	XXXXXXXXX582	M.E/M.Tech	Anna University	Artificial intelligence	09/09/2024	0.4	Assistant Professor	Assistant Professor		Regular	Yes		No
20	Mrs. R. Chitra	XXXXXXXX53D	XXXXXXXXX362	M.E/M.Tech	SRM University	Artificial intelligence	06/11/2024	0.2	Assistant Professor	Assistant Professor		Regular	Yes		No
21	Dr. A. Shyamala	XXXXXXXX79K	NA	ME/M. Tech and PhD	Anna University	Machine Learning	03/06/2024	0.3	Associate Professor	Associate Professor		Regular	No	18/09/2024	No
22	Dr. A. S.Karthik Kannan	XXXXXXXX97K	NA	ME/M. Tech and PhD	Anna University	Machine Learning	05/06/2024	0.2	Associate Professor	Associate Professor		Regular	No	28/08/2024	No
23	Dr.M. Seema	XXXXXXXX64E	NA	ME/M. Tech and PhD	Anna University	Embedded System	20/01/2012	13.1	Assistant Professor	Assistant Professor		Regular	Yes		No
24	Mrs. N. Shanmuga Sundari	XXXXXXXX55P	NA	M.E/M.Tech	Kalasalingam University	Image Processing and Network Security	11/12/2013	9.4	Assistant Professor	Assistant Professor		Regular	No	01/05/2023	No
25	Mr. P. SureshBabu	XXXXXXXX45A	NA	M.E/M.Tech	Anna University	Deep Learning	02/06/2014	8.11	Assistant Professor	Assistant Professor		Regular	No	02/05/2023	No
26	Dr. P. Uma Maheswari	XXXXXXXX55G	XXXXXXXXX892	M.E/M.Tech	Anna University	Image Processing	06/06/2022	2.8	Assistant Professor	Assistant Professor		Regular	Yes		No

27	Ms. S. Lavanya	XXXXXXX73R	NA	M.E/M.Tech	Anna University	Machine Learning	02/08/2023	0.7	Assistant Professor	Assistant Professor		Regular	No	30/03/2024	No
28	Dr.M.Raghini	XXXXXXX83J	NA	ME/M. Tech and PhD	Anna University	Wireless Sensor Network,Cryptography and Network Security	11/09/2023	1.4	Assistant Professor	Assistant Professor		Regular	Yes		No
29	Dr.T.Thenmozhi	XXXXXXX31B	NA	ME/M. Tech and PhD	Anna University	Bio Medical Machine Learning,Deep Learning and Artificial Intelligence	03/06/2024	0.7	Assistant Professor	Assistant Professor		Regular	Yes		No
30	Mrs.N.Vishnu Devi	XXXXXXX17K	NA	M.E/M.Tech	Anna University	Medical Image Analysis	03/06/2024	0.7	Assistant Professor	Assistant Professor		Regular	Yes		No
31	Dr.R.Raja Sudharsan	XXXXXXX98L	XXXXXXXXX457	ME/M. Tech and PhD	Kalasalingam Academy of Research and Education	Medical Signal and Image Processing	03/02/2025	0	Associate Professor	Associate Professor	03/02/2025	Regular	Yes		No
32	Dr.R.Vijayalakshmi	XXXXXXX06J	XXXXXXXXX745	ME/M. Tech and PhD	Anna University	Data Mining and Networking	03/06/2019	5.8	Associate Professor	Associate Professor	03/06/2019	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 Department4 No. of PG Programs in the Department1

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

Description	CAY(2024-25)	CAYm1 (2023-24)	CAYm2 (2022-23)
UG1.B	187	189	124
UG1.C	189	124	128
UG1.D	124	128	124
<b>UG1: Computer Science and Engineering</b>	<b>500</b>	<b>441</b>	<b>376</b>
UG2.B	0	0	0
UG2.C	0	0	0
UG2.D	0	0	0

Description	CAY(2024-25)	CAYm1 (2023-24)	CAYm2 (2022-23)
<b>UG2: Computer Science and Engineering (Cyber Security)</b>	<b>0</b>	<b>0</b>	<b>0</b>
UG3.B	62	0	0
UG3.C	0	0	0
UG3.D	0	0	0
<b>UG3: Artificial Intelligence and Data Science</b>	<b>62</b>	<b>0</b>	<b>0</b>
UG4.B	125	126	94
UG4.C	126	94	91
UG4.D	94	91	60
<b>UG4: Information Technology</b>	<b>345</b>	<b>311</b>	<b>245</b>
PG1.A	9	9	9
PG1.B	9	9	9
<b>PG1: Computer Science and Engineering</b>	<b>18</b>	<b>18</b>	<b>18</b>
PG2.A	9	9	9
PG2.B	9	9	9
<b>PG2: Network Engineering</b>	<b>18</b>	<b>18</b>	<b>18</b>
DS=Total no. of students in all UG and PG programs in the Department	518	459	394
AS=Total no. of students of all UG and PG programs in allied departments	425	329	263
S=Total no. of students in the Department (DS) and allied departments (AS)	<b>S1= 943</b>	<b>S2= 788</b>	<b>S3= 657</b>
DF=Total no. of faculty members in the Department	33	21	21
AF= Total no. of faculty members in the allied Departments	24	18	17
F=Total no. of faculty members in the Department (DF) and allied Departments (AF)	<b>F1= 57</b>	<b>F2= 39</b>	<b>F3= 38</b>
FF=The faculty members in F who have a 100% teaching load in the first-year courses	0	0	0
Student Faculty Ratio (SFR)=S/(F-FF)	<b>SFR1= 16.54</b>	<b>SFR2= 20.21</b>	<b>SFR3= 17.29</b>
Average SFR for 3 years	<b>SFR= 18.01</b>		

### 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	<b>FQ = 2.5 x [(10X + 4Y) / RF ]</b>
2024-25(CAY)	10	41	46.00	14.35
2023-24(CAYm1)	10	29	38.00	14.21
2022-23(CAYm2)	12	27	31.00	18.39

#### 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
2024-25	5.00	7.00	10.00	7.00	30.00	43.00
2023-24	4.00	7.00	8.00	3.00	25.00	29.00
2022-23	3.00	4.00	7.00	7.00	21.00	27.00
Average	RF1=4.00	AF1=6.00	RF2=8.33	AF2=5.67	RF2=25.33	AF2=33.00

#### 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	Ms.Ilamathi & Ms.Pugazhnagai	SAP Consultant	WIPRO & KAAR	Machine Learning Using Python	15.00
2	Sanjay Raj S.K	Managing Director	Reccsar Private Limited,Madurai	Embedded Software Development	15.00
3	Mrs Shanthini Pannerselvam	Founder	Datanerdz.AI , Puducherry	Foundation Of NOSQL Database	15.00

(CAYm2)

(CAYm3)

#### 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	11	7	8
2	No. of peer reviewed conference papers published	61	12	0
3	No. of books/book chapters published	10	6	0

#### 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. P. Alli	Dr. Vinod Chakkaravarthy, Dr. T. Kamatchi	CSE	IDEA LAB	AICTE	2	115.00
						Amount received (Rs.):115.00

(CAYm2)

(CAYm3)

**Total Amount (Lacs) Received for the Past 3 Years: 115.00**

**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)

(CAYm2)

(CAYm3)

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

**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)

(CAYm2)

(CAYm3)

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

## 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	Operating System Lab (UG Lab 1)	32	Comuter Systems: 87, Printer - 2	36 hours	Mr.N.K.Kumaran	Lab Instructor	M.Sc. (Computer Scienc
2	DBMS Lab (UG Lab 2)	32	Computer Systems: 70, Printer:1	36 hours	Mrs.S.RajaKumari	Lab Instructor	B.Sc. (Computer Scienc
3	Networks Lab(UG Lab3)	32	Computer Systems: 56, Printer:1	36 hours	Mr.G.Sakthi	Lab Instructor	Diploma in Computer Er
4	Server Room	0	Server - 6;Printer - 2	60 hours	Mr.V.sundaraPandian	System Administrator	Diploma in Computer Te

#### D2. Safety Measures in Laboratories

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

Sr. No	Laboratory Name	Safety Measures
1	Server Room	Smoke Detector, Fire Alarm, Fire Extinguisher (Shared), Power Trippers
2	Operating System Lab (UG Lab 1)	Smoke Detector, Fire Alarm, Fire Extinguisher (Shared), Power Trippers
3	DBMS Lab (UG Lab 2)	Smoke Detector, Fire Alarm, Fire Extinguisher (Shared), Power Trippers
4	Networks Lab (UG Lab3)	Smoke Detector, Fire Alarm, Fire Extinguisher (Shared), Power Trippers
5	Artificial Intelligence Lab (R& D Lab)	Smoke Detector, Fire Alarm, Fire Extinguisher (Shared), Power Trippers

#### D3. Project Laboratory/Research Laboratory

The lab provided for R&D activities are utilized for

- Developing in house Projects.
- Research work for paper publications.

**Table No. 7.5.1: Lab facility for R&D activities.**

S.No.	Name of the Laboratory	Name of the Major Equipment's	Weekly Utilization Status
1.	Artificial Intelligence Lab (R& D Lab)	DELL Work station Precision 3460 SFF, Core 17 Processor 14 th generation, 32Gb RAM, 512GB M.2 NVME SSD, Keyboard & Mouse, 20" Monitor E2020H	42 Hours

**Details of in-house projects developed:**

- Exam Cell Software – QB to QP Converter, Hall Plan Generator
- Quiz Application
- Faculty Data Management System
- Internal Event Management System
- Leave Approval System

## 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= $((NS1*0.8) + (NS2*0.2))/RF4$
2022-23(CAYm2)	600	30	20	3	55
2023-24(CAYm1)	660	33	22	3	55
2024-25(CAY)	840	42	26	4	51

**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	30000000	7500000	20000000	13567087	20000000	16276200	2000000	1033633

Library	2155000	1800000	2230000	1786589	1448000	974449	1833000	1344752
Laboratory equipment	60987795	10000000	5788461	5215310	22335412	10582939	9437318	443708
Teaching and non-teaching staff salary	130000000	122950689	122653013	111502739	98308624	89371477	91107566	82825060
Outreach Programs	70000	60350	80000	71500	100000	93000	62000	56650
R&D	5255000	0	2337560	2129609	296500	1422335	585500	1901137
Training, Placement and Industry linkage	0	0	0	0	0	0	0	0
SDGs	60000	50085	0	0	0	0	0	0
Entrepreneurship	0	0	0	0	0	0	0	0
Others, specify								
<b>Total</b>	<b>228527795</b>	<b>142361124</b>	<b>153089034</b>	<b>134272834</b>	<b>142488536</b>	<b>118720400</b>	<b>105025384</b>	<b>87604940</b>

### 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	13329500	16737909	200000	40400	3432000	0	191600	88250
Software	1600000	0	0	0	1050000	924659	1200000	355000
SDGs	0	0	0	0	0	0	0	0
Support for faculty development	5000	0	5000	0	5000	0	5000	0
R & D	5000	0	5000	0	5000	0	5000	0
Industrial Training, Industry expert, Internship	10000	0	10000	0	10000	0	10000	0
Miscellaneous Expenses*	255000	42700	637000	531159	14500	434573.84	84500	676065
<b>Total</b>	<b>15204500</b>	<b>16780609</b>	<b>857000</b>	<b>571559</b>	<b>4516500</b>	<b>1359232.84</b>	<b>1496100</b>	<b>1119315</b>