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: 11118	**Date of Submission**: 13-11-2025

PART A- Profile of the Institute

A1.Name of the Institute: KARUNYA INSTITUTE OF TECHNOLOGY AND SCIENCES	
Year of Establishment : 1986/1990	Location of the Institute: Coimbatore
A2. Institute Address:KARUNYA NAGAR	
City:--Select--	State:Tamil Nadu
Pin Code:641114	Website:www.karunya.edu
Email:KU@KARUNYA.EDU	Phone No(with STD Code):0422-2614310
A3. Name and Address of the Affiliating University (if any):	
Name of the University : NIL	City:
State :	Pin Code: 0
A4. Type of the Institution: Deemed University	
A5. Ownership Status: Self financing	

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

- No. of UG programs: **15**
- No. of PG programs: **13**

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	PG	Advanced Manufacturing Technology	2015	2023	Mechanical Engineering
2	Engineering & Technology	UG	Aerospace Engineering	2009	--	Aerospace Engineering
3	Engineering & Technology	PG	Aerospace Engineering	2019	--	Aerospace Engineering
4	Engineering & Technology	UG	Artificial Intelligence and Data Science	2020	--	Data Science and Cyber Security
5	Engineering & Technology	UG	Biomedical Engineering	2014	--	Biomedical Engineering
6	Engineering & Technology	PG	Biomedical Instrumentation	2017	--	Biomedical Engineering
7	Engineering & Technology	UG	Biotechnology	2005	--	Biotechnology
8	Engineering & Technology	PG	Biotechnology	2007	--	Biotechnology
9	Engineering & Technology	UG	Civil Engineering	1986	--	Civil Engineering
10	Engineering & Technology	PG	Communication Systems	2009	2022	Electronics and Communication Engineering
11	Engineering & Technology	UG	Computer Engineering	2020	--	Data Science and Cyber Security
12	Engineering & Technology	PG	Computer Science and Engineering	2002	--	Computer Science and Engineering
13	Engineering & Technology	UG	Computer Science and Engineering	1994	--	Computer Science and Engineering

14	Engineering & Technology	UG	Computer Science and Engineering (Artificial Intelligence & Machine Learning)	2021	--	Artificial Intelligence and Machine Learning
15	Engineering & Technology	UG	Computer Science and Engineering (Artificial Intelligence)	2021	--	Artificial Intelligence and Machine Learning
16	Engineering & Technology	PG	Cyber Security	2019	--	Computer Science and Engineering
17	Engineering & Technology	UG	Electrical & Electronics Engineering	1994	--	Electrical and Electronics Engineering
18	Engineering & Technology	UG	Electronics & Communication Engineering	1986	--	Electronics and Communication Engineering
19	Engineering & Technology	UG	Electronics & Computer Engineering	2021	--	Electronics and Communication Engineering
20	Engineering & Technology	UG	Food Processing and Engineering	2005	--	Food Processing Technology
21	Engineering & Technology	PG	Food Processing and Engineering	2008	--	Food Processing Technology
22	Engineering & Technology	PG	Integrated Water Resources Management	2009	--	Civil Engineering
23	Engineering & Technology	UG	Mechanical Engineering	1986	--	Mechanical Engineering
24	Engineering & Technology	PG	Robotics & Automation	2020	--	Robotics Engineering
25	Engineering & Technology	UG	Robotics and Automation	2018	--	Robotics Engineering
26	Engineering & Technology	PG	Structural Engineering	1996	--	Civil Engineering
27	Engineering & Technology	PG	VLSI Design	2004	--	Electronics and Communication Engineering
28	Management	PG	Master of Business Administration	1994	--	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
Data Science and Cyber Security	Yes	Artificial Intelligence and Data Science	UG
Data Science and Cyber Security	Yes	Computer 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 Engineering	UG
Computer Science and Engineering	Computer Science and Engineering	PG
Computer Science and Engineering	Cyber Security	PG
Artificial Intelligence and Machine Learning	Computer Science and Engineering (Artificial Intelligence & Machine Learning)	UG
Artificial Intelligence and Machine Learning	Computer Science and Engineering (Artificial Intelligence)	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
1	Artificial Intelligence and Data Science	UG	2020 / --	60	Yes	2022	180	2022	AICTE

Sanctioned Intake for Last Five Years for the Computer Engineering	
Academic Year	**Sanctioned Intake**
2025-26	180
2024-25	180
2023-24	180
2022-23	120
2021-22	60
2020-21	60

2	Computer Engineering	UG	2020 / --	60	No	NA	60	2020	AICTE

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	AI AU AP
1	Computer Science and Engineering	Computer Science and Engineering	UG	1994 / --	60	Yes	2001	420	2001	AI

Sanctioned Intake for Last Five Years for the Computer Science and Engineering	
Academic Year	**Sanctioned Intake**
2025-26	420
2024-25	420
2023-24	420
2022-23	300
2021-22	300
2020-21	300

2	Computer Science and Engineering	Computer Science and Engineering	PG	2002 / --	18	Yes	2018	12	2018	AI

Sanctioned Intake for Last Five Years for the Computer Science and Engineering	
Academic Year	**Sanctioned Intake**
2025-26	12
2024-25	12
2023-24	12
2022-23	12
2021-22	20
2020-21	20

3	Computer Science and Engineering	Cyber Security	PG	2019 / --	30	Yes	2020	12	2020	AI

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	Al AU AF

Sanctioned Intake for Last Five Years for the Cyber Security	
Academic Year	**Sanctioned Intake**
2025-26	12
2024-25	12
2023-24	12
2022-23	12
2021-22	18
2020-21	18

4	Artificial Intelligence and Machine Learning	Computer Science and Engineering (Artificial Intelligence & Machine Learning)	UG	2021 / --	60	Yes	2022	180	2022	Al

Sanctioned Intake for Last Five Years for the Computer Science and Engineering (Artificial Intelligence & Machine Learning)	
Academic Year	**Sanctioned Intake**
2025-26	180
2024-25	180
2023-24	180
2022-23	120
2021-22	60
2020-21	0

5	Artificial Intelligence and Machine Learning	Computer Science and Engineering (Artificial Intelligence)	UG	2021 / --	60	Yes	2022	120	2022	Al

Sanctioned Intake for Last Five Years for the Computer Science and Engineering (Artificial Intelligence)	
Academic Year	**Sanctioned Intake**
2025-26	120
2024-25	120
2023-24	120
2022-23	120
2021-22	60
2020-21	0

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

A. Name of the HoD :	Dr. E. Grace Mary Kanaga
B. Nature of appointment:	Regular
C. Qualification:	M.E. and 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	180	180	120	60	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	153	143	147	116	57	60	0
N2=Number of students admitted in 2nd year in the same batch via lateral entry including leftover seats	0	0	2	1	2	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.	153	143	149	117	59	60	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	153	0	85.00
2024-25 (CAYm1)	180	143	0	79.44
2023-24 (CAYm2)	180	147	0	81.67

Average [(ER1 + ER2 + ER3) / 3] = 82.04≡ 17.00

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

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

Item	(2021-22) LYG	(2020-21) LYGm1	(2019-20) LYGm2
A*= (No. of students admitted in the 1st year of that batch and those actually admitted in the 2nd year via lateral entry, plus the number of students admitted through multiple entry (if any) and separate division if applicable, minus the number of students who exited through multiple entry (if any).	62.00	60.00	0.00
B=No. of students who graduated from the program in the stipulated course duration	57.00	56.00	0.00
Success Rate (SR)= (B/A) * 100	91.94	93.33	0.00

Average SR of three batches ((SR_1+ SR_2+ SR_3)/3): 92.64

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)	6.71	6.94	6.52
Y=Total no. of successful students	142.00	147.00	116.00
Z=Total no. of students appeared in the examination	142.00	147.00	116.00
API [X*(Y/Z)]	6.71	6.94	6.52

Average API[(AP1+AP2+AP3)/3] : 6.72

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 2rd year/10)	6.93	6.62	6.81
Y=Total no. of successful students	144.00	115.00	58.00
Z=Total no. of students appeared in the examination	149.00	117.00	59.00

API [X * (Y/Z)]	6.70	6.51	6.69

Average API [(AP1 + AP2 + AP3)/3] : 6.63

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)	6.73	6.85	7.03
Y=Total no. of successful students	114.00	57.00	57.00
Z=Total no. of students appeared in the examination	115.00	58.00	58.00
API [X*(Y/Z)]:	6.67	6.73	6.91

Average API [(AP1 + AP2 + AP3)/3] : 6.77

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	62.00	60.00	0.00
X=No. of students placed	44.00	55.00	0.00
Y=No. of students admitted to higher studies	7.00	1.00	0.00
Z= No. of students taking up entrepreneurship	0.00	0.00	0.00
Placement Index(P) = (((X + Y + Z)/FS) * 100):	82.26	93.33	0.00

Average Placement Index = (P_1 + P_2 + P_3)/3: 87.80 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)	Curr Ass (Y/N
1	Dr. E. Grace Mary Kanaga	XXXXXXX39P	M.E. and Ph.D.	Anna University	Computational Intelligence	10/06/2002	23.4	Assistant Professor	Professor	02/11/2020	Regular	Yes
2	Dr. A. Shamila Ebenezer	XXXXXXX02M	M.E. and Ph.D.	Karunya University	Data Analytics, Artificial Intelligence, Data Science	13/02/2004	21.8	Assistant Professor	Associate Professor	01/12/2020	Regular	Yes
3	Dr. V. Ebenezer	XXXXXXX99F	M.E. and Ph.D.	Anna University	Cloud Computing, Artificial Intelligence	13/06/2019	6.4	Assistant Professor	Assistant Professor		Regular	Yes
4	Dr. K. Vidhya	XXXXXXX06K	M.E. and Ph.D.	Anna University	Data Analytics, Artificial Intelligence, Cloud Computing	03/05/2023	2.5	Assistant Professor	Assistant Professor		Regular	Yes
5	Dr. M. Roshni Thanka	XXXXXXX71H	M.E. and Ph.D.	Anna University	Data Science, IoT, Artificial Intelligence, Cloud Computing	02/05/2008	17.5	Lecturer	Assistant Professor		Regular	Yes

6	Dr. S. Uma Maheswari	XXXXXXX24F	M.E. and Ph.D.	Anna University	Cloud Computing	11/07/2023	2.3	Assistant Professor	Assistant Professor		Regular	No
7	Dr. A. Jenefa	XXXXXXX47E	M.E. and Ph.D.	Anna University	Artificial Intelligence, Computer Vision	15/10/2022	3	Assistant Professor	Assistant Professor		Regular	Yes
8	Dr. M. Sam Navin	XXXXXXX87A	M.E. and Ph.D.	Vellore Institute of Technology	Machine Learning, Deep Learning	22/11/2022	2.11	Assistant Professor	Assistant Professor		Regular	No
9	Dr. T. Mathu	XXXXXXX90P	M.E. and Ph.D.	Karunya University	Data Mining, NLP	02/05/2011	14.2	Assistant Professor	Assistant Professor		Regular	No
10	Dr. Nirmal Varghese Babu	XXXXXXX22F	M.E. and Ph.D.	Karunya University	Artificial Intelligence	26/07/2022	3.3	Assistant Professor	Assistant Professor		Regular	Yes
11	Dr. M. Bhuvaneshwari	XXXXXXX84K	M.E. and Ph.D.	Karunya University	Machine Learning, Deep Learning, Cyber Security	30/07/2022	3.2	Assistant Professor	Assistant Professor		Regular	Yes
12	Mr. Allen shine Manuel	XXXXXXX27C	M.Tech	Karunya University	Cyber security	12/06/2023	1.5	Assistant Professor	Assistant Professor		Regular	No
13	Mrs. A. R. Darshika Kelin	XXXXXXX41H	M.E.	Anna University	Machine Learning, Deep Learning	03/07/2023	2.3	Assistant Professor	Assistant Professor		Regular	Yes
14	Mrs. Jenisha Jehan	XXXXXXX15N	M.E.	MS UNIVERSITY	Machine Learning, Deep Learning	08/10/2024	0.6	Assistant Professor	Assistant Professor		Regular	No
15	Mrs. J. Srija	XXXXXXX27E	M.Tech	Karunya University	Machine Learning, Deep Learning, Cyber Security	26/06/2024	1.4	Assistant Professor	Assistant Professor		Regular	Yes
16	Mr. G. Mathew Palmer	XXXXXXX17F	M.Tech	Karunya University	Cyber security	23/08/2021	4.2	Assistant Professor	Assistant Professor		Regular	No
17	Ms. A. Bertia	XXXXXXX20A	M.Tech	Karunya University	Cyber security	30/07/2022	2.9	Assistant Professor	Assistant Professor		Regular	No
18	Ms. V. Vijula	XXXXXXX44D	M.E.	Anna University	Computer Networks	30/07/2022	3.3	Assistant Professor	Assistant Professor		Regular	Yes
19	Prof. N. Joesph Jeyarajan	XXXXXXX93G	B.E.	UNIVERSITY OF MADRAS	Computer Networks	12/11/2024	0.11	Professor	Professor		Regular	Yes
20	Mr. R. Rahul	XXXXXXX65P	M.Tech	Karunya University	Cyber security	02/05/2024	1.6	Assistant Professor	Assistant Professor		Regular	Yes
21	Mrs. K. Esther Lipni	XXXXXXX22N	M.E.	Anna University	Computer Networks	04/11/2024	0.11	Assistant Professor	Assistant Professor		Regular	Yes
22	Dr. Antony Taurshia	XXXXXXX34C	M.E. and Ph.D.	Karunya University	Cyber security	21/08/2021	4.2	Assistant Professor	Assistant Professor		Regular	Yes
23	Mr. Sudhir	XXXXXXX70N	M.E.	Anna University	Artificial Intelligence	03/07/2024	0.9	Assistant Professor	Assistant Professor		Regular	No
24	Dr. J.Biju	XXXXXXX79Q	M.E. and Ph.D.	Anna University	Soft Computing	09/06/2025	0.5	Assistant Professor	Assistant Professor		Regular	Yes
25	Ms. S. Shivanthana	XXXXXXX88J	M.Tech	Karunya Institute of technology and sciences	Cyber Security	02/05/2025	0.6	Assistant Professor	Assistant Professor		Regular	Yes
26	Ms. T. P. Divina	XXXXXXX99A	M.Tech	Karunya Institute of technology and sciences	Cyber Security	02/05/2025	0.6	Assistant Professor	Assistant Professor		Regular	Yes

27	Mr. Ezeikel Alaric Majaw	XXXXXXX30N	M.Tech	Karunya Institute of technology and sciences	Cyber Security	01/07/2025	0.4	Assistant Professor	Assistant Professor		Regular	Yes
28	Dr. Smitha John	XXXXXXX13B	M.Tech and Ph.D.	Cochin University Science and Technology	Information Systems Security	10/07/2024	1.4	Assistant Professor	Assistant Professor		Regular	Yes
29	Mrs. S. S. Shyni	XXXXXXX70Q	M.E.	Anna University	Machine Learning, Deep Learning,	01/08/2023	0.9	Assistant Professor	Assistant Professor		Regular	No
30	Mrs. J. Cynthia	XXXXXXX57C	M.E.	Saveetha University	Cyber Security	01/07/2025	0.4	Assistant Professor	Assistant Professor		Regular	Yes
31	Dr. Ben M Jebin	XXXXXXX37D	M.Tech and Ph.D.	Manonmaniam Sundaranar University	Image Processing	20/08/2024	1.2	Assistant Professor	Assistant Professor		Regular	Yes
32	Mrs. Jennifer June. M	XXXXXXX26G	M.Tech	Karunya Institute of technology and sciences	Multimedia	04/07/2012	13.4	Assistant Professor	Assistant Professor		Regular	Yes
33	Mr. J. Praveen Immanuel Paulraj	XXXXXXX63A	M.Tech	Kalasalingam University	Networking	18/06/2018	7.4	Assistant Professor	Assistant Professor		Regular	Yes
34	Dr Debie Shajie A	XXXXXXX58D	M.Tech and Ph.D.	Karunya Institute of technology and sciences	Artificial Intelligence	23/07/2018	7.3	Assistant Professor	Assistant Professor		Regular	Yes
35	Dr. Shanthini Pandiaraj	XXXXXXX59R	M.E. and Ph.D.	Anna University	Information and Communication	05/01/2024	1.10	Associate Professor	Professor	05/01/2024	Regular	Yes
36	Dr. R. Chitra	XXXXXXX32Q	M.E. and Ph.D.	Manonmaniam Sundaranar University	Cyber Security	08/07/2025	0.4	Assistant Professor	Assistant Professor		Regular	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 Associatio (Regular/ Contract/ Ad hoc)
1	Dr. D. Sujitha Juliet	XXXXXXX91P	NA	M.E. and Ph.D.	Karunya University	Artificial Intelligence, Image analysis	18/07/2006	19.3	Assistant Professor	Associate Professor	01/12/2020	Regular
2	Dr. T. Jemima Jebaseeli	XXXXXXX74K	NA	M.E. and Ph.D.	Karunya University	Medical Image Processing	04/08/2006	19.2	Assistant Professor	Associate Professor	01/12/2020	Regular
3	Dr. J. Sebastin Terrence	XXXXXXX25C	NA	M.E. and Ph.D.	Vellore Institute of Technology	Machine Learning, Deep Learning, IoT	06/04/2012	13.6	Assistant Professor	Assistant Professor		Regular
4	Dr. R. Manoranjitham	XXXXXXX38C	NA	M.E. and Ph.D.	Anna University	Image Processing, Computer Vision, Machine Learning	20/09/2021	3.7	Assistant Professor	Assistant Professor		Regular
5	Dr. R. Vignesh	XXXXXXX18A	NA	M.E. and Ph.D.	Anna University	Artificial Intelligence. Machine Learning	06/05/2024	1.5	Assistant Professor	Assistant Professor		Regular

6	Dr. S. Christina Magneta	XXXXXXX18E	NA	M.E. and Ph.D.	Anna University	Machine Learning, Deep Learning	18/06/2024	1.4	Assistant Professor	Assistant Professor		Regular
7	Dr. G. Srinitya	XXXXXXX74R	NA	M.E. and Ph.D.	Anna University	Image Processing	24/06/2024	1.4	Assistant Professor	Assistant Professor		Regular
8	Mrs. P. Joyce Beryl Princess	XXXXXXX30K	NA	M.E.	Anna University	Machine Learning, Deep Learning	23/08/2021	4.2	Assistant Professor	Assistant Professor		Regular
9	Ms.S.Sophia	XXXXXXX80A	NA	M.Tech	Karunya University	Machine Learning, Deep Learning	30/07/2022	3.2	Assistant Professor	Assistant Professor		Regular
10	Mrs. P. Angelin Jeba	XXXXXXX88P	NA	M.E.	Anna University	Big Data Analytics, Deep Learning	19/02/2024	1.8	Assistant Professor	Assistant Professor		Regular
11	Mrs. Hemalatha	XXXXXXX25C	NA	M.E.	Pondichery University	Artificial Intelligence	08/08/2024	1.2	Assistant Professor	Assistant Professor		Regular
12	Dr. Jangam Ebenezer	XXXXXXX14P	NA	M.E. and Ph.D.	IIT Dhanabad	Image Processing	24/04/2023	2.1	Assistant Professor	Assistant Professor		Regular
13	Dr. J. Dinesh Peter	XXXXXXX28R	NA	M.E. and Ph.D.	NIT Calicut	Image Processing, Computer Vision	20/11/2009	15.11	Assistant Professor	Professor	02/11/2020	Regular
14	Dr. T. M. Thiyagu	XXXXXXX54D	NA	M.E. and Ph.D.	Anna University	Data Mining, Machine Learning	12/09/2022	1.8	Assistant Professor	Assistant Professor		Regular
15	Mrs. Snowlin Preethi Janani	XXXXXXX67E	NA	M.E.	Anna University	Networking	22/11/2021	2.6	Assistant Professor	Assistant Professor		Regular
16	Mr. N. Ajaypradeep	XXXXXXX25K	NA	M.E.	Anna University	Machine Learning	07/08/2023	0.6	Assistant Professor	Assistant Professor		Regular
17	Ms. Ruth Moly Benjamin	XXXXXXX93F	NA	M.Tech	Karunya University	Machine Learning	30/07/2022	1.9	Assistant Professor	Assistant Professor		Regular
18	Dr. J. Praveen Chandar	XXXXXXX21M	NA	M.E. and Ph.D.	Anna University	Machine Learning, Cloud Computing	03/05/2023	2.5	Assistant Professor	Assistant Professor		Regular
19	Dr. D. Narmadha	XXXXXXX44C	NA	M.E. and Ph.D.	Karunya University	Machine Learning, Deep Learning	05/02/2011	14.8	Assistant Professor	Assistant Professor		Regular
20	Dr. P. Emmanuel Joy	XXXXXXX48P	NA	M.E. and Ph.D.	Karunya University	Computer Vision	09/07/2018	7.3	Assistant Professor	Assistant Professor		Regular
21	Dr. J. S. RajKumar	XXXXXXX30K	NA	M.E. and Ph.D.	Karunya University	IoT, Nano Electronics	30/07/2022	3.2	Assistant Professor	Assistant Professor		Regular
22	Dr. J. Briso Becky Bell	XXXXXXX35G	NA	M.E. and Ph.D.	Noorul Islam University	Data Mining, Machine Learning	01/07/2024	1.3	Assistant Professor	Assistant Professor		Regular
23	Mrs. R. Golden Nancy	XXXXXXX71L	NA	M.E.	Anna University	Artificial Intelligence	23/08/2021	4.2	Assistant Professor	Assistant Professor		Regular
24	Mr. K. Martin Victor	XXXXXXX54R	NA	M.Tech	Karunya University	Network Security	29/06/2022	3.3	Assistant Professor	Assistant Professor		Regular
25	Dr. K. K. Savitha	XXXXXXX01P	NA	M.E. and Ph.D.	Cochin University Science and Technology	Artificial Intelligence	11/06/2024	1.5	Assistant Professor	Assistant Professor		Regular
26	Mrs. Abirami	XXXXXXX87N	NA	M.Tech	Karunya University	Cyber security	27/08/2024	1.1	Assistant Professor	Assistant Professor		Regular
27	Mr. J. Sree Sankar	XXXXXXX58F	NA	M.E.	Anna University	Networking	30/07/2022	1.9	Assistant Professor	Assistant Professor		Regular

28	Dr. S. Sanjith	XXXXXXX71M	NA	M.E. and Ph.D.	Noorul Islam University	Cyber security	21/09/2022	2.8	Assistant Professor	Assistant Professor		Regular
29	Mrs. S. Nancy Emymal	XXXXXXX53H	NA	M.E.	Anna University	Image Processing, Machine Learning	30/07/2022	2.10	Assistant Professor	Assistant Professor		Regular
30	Dr. R. Elijah Blessing Vinoth	XXXXXXX19L	NA	M.E. and Ph.D.	Anna University	Computing Security	08/08/1997	28.3	Assistant Professor	Professor	01/02/2008	Regular
31	Dr. Ciza Thomas	XXXXXXX79R	NA	M.E. and Ph.D.	Indian Institute of Science	Cyber security	08/06/2023	1.5	Professor	Professor		Regular
32	Dr. Salaja	XXXXXXX60N	NA	M.E. and Ph.D.	Karunya University	Pervasive Computing	02/03/2004	21.8	Assistant Professor	Professor	02/11/2020	Regular
33	Dr. Kumudha Raimond	XXXXXXX80G	NA	M.E. and Ph.D.	IIT Madras	Data Mining	12/12/2011	13.11	Professor	Professor		Regular
34	Dr. Julia Punitha Malar	XXXXXXX86C	NA	M.E. and Ph.D.	Dr. M.G.R. Univesity	Wireless Networks	23/08/2021	4.2	Professor	Professor		Regular
35	Dr. G. Jaspher Willsie Kathrine	XXXXXXX65H	NA	M.E. and Ph.D.	Karunya University	Computing Security	04/12/2000	24.11	Assistant Professor	Associate Professor	02/11/2020	Regular
36	Mr. S. E. Vinodh Ewards	XXXXXXX35B	NA	M.E.	Anna University	Computing Security	19/02/2004	21.8	Assistant Professor	Associate Professor	02/11/2020	Regular
37	Dr. J. Immanuel Johnraja	XXXXXXX58G	NA	M.E. and Ph.D.	Karunya University	Computer Networks	08/06/2005	20.4	Assistant Professor	Professor	02/11/2020	Regular
38	Dr. P. Getzi Jeba Leelipushapam	XXXXXXX06B	NA	M.E. and Ph.D.	Karunya University	Computer Networks	15/06/2004	21.4	Assistant Professor	Associate Professor	02/08/2021	Regular
39	Dr. R. Venkatesan	XXXXXXX07B	NA	M.E. and Ph.D.	Anna University	Advance Computing	01/06/2006	19.5	Assistant Professor	Associate Professor	01/12/2020	Regular
40	Dr. G. Naveen Sundar	XXXXXXX82P	NA	M.E. and Ph.D.	Anna University	Data Mining	12/07/2006	19.3	Assistant Professor	Associate Professor	01/12/2020	Regular
41	Dr. J. Anitha	XXXXXXX15A	NA	M.E. and Ph.D.	Karunya University	Image Processing, Computer Vision	24/01/2007	18.9	Assistant Professor	Associate Professor	01/12/2020	Regular
42	Dr. E. Bijolin Edwin	XXXXXXX30E	NA	M.E. and Ph.D.	Anna University	Cloud Computing	02/05/2008	17.6	Assistant Professor	Associate Professor	01/12/2023	Regular
43	Dr. Esther Daniel	XXXXXXX65J	NA	M.E. and Ph.D.	Anna University	Computing Security	02/06/2008	17.5	Assistant Professor	Associate Professor	01/09/2021	Regular
44	Dr. M. Mythily	XXXXXXX51Q	NA	M.E. and Ph.D.	Anna University	Software Engineering	07/09/2009	16.1	Assistant Professor	Associate Professor	01/12/2023	Regular
45	Dr, M. Rajeswari	XXXXXXX80F	NA	M.E. and Ph.D.	Anna University	Mobile adhoc Network, Machine Learning	01/09/2021	4.1	Associate Professor	Associate Professor		Regular
46	Dr. R. Chitra	XXXXXXX31F	NA	M.E. and Ph.D.	MS UNIVERSITY	Soft Computing	01/09/2021	4.1	Associate Professor	Associate Professor		Regular
47	Dr. S. Daniel Madan Raja	XXXXXXX91C	NA	M.E. and Ph.D.	Anna University	Image Processing	01/06/2023	2.4	Associate Professor	Associate Professor		Regular

48	Dr. A. Kethsy Prabavathy	XXXXXXX86C	NA	M.E. and Ph.D.	Anna University	Image Processing. Computer Vision	04/08/2004	21.3	Assistant Professor	Assistant Professor		Regular
49	Dr. C. P. Shirley	XXXXXXX01F	NA	M.E. and Ph.D.	Anna University	Image Processing, Soft Computing	04/05/2022	3.5	Assistant Professor	Assistant Professor		Regular
50	Dr. R. Karthik	XXXXXXX54G	NA	M.E. and Ph.D.	Anna University	Computer Networks	17/05/2024	1.5	Assistant Professor	Assistant Professor		Regular
51	Dr. Berin Jeba Jingle	XXXXXXX27B	NA	M.E. and Ph.D.	MS UNIVERSITY	Data Mining	12/06/2023	1.6	Assistant Professor	Assistant Professor		Regular
52	Dr. V. M. Arul Xavier	XXXXXXX85C	NA	M.E. and Ph.D.	Anna University	Advance Computing	04/07/2007	18.4	Assistant Professor	Assistant Professor		Regular
53	Dr. C. Priyadharsini	XXXXXXX11A	NA	M.E. and Ph.D.	Anna University	Wireless Sensor Networks	05/07/2008	17.3	Assistant Professor	Assistant Professor		Regular
54	Dr. R. V. Belfin	XXXXXXX48G	NA	M.E. and Ph.D.	Karunya University	Computational Intelligence	15/07/2013	12.3	Assistant Professor	Assistant Professor		Regular
55	Dr. A. M. Anusha Bamini	XXXXXXX10B	NA	M.E. and Ph.D.	Noorul Islam University	Cloud Computing, IoT, AI	30/06/2021	4.4	Assistant Professor	Assistant Professor		Regular
56	Dr. R. Priscilla Joy	XXXXXXX72P	NA	M.E. and Ph.D.	Noorul Islam University	Wireless Sensor Networks	16/08/2021	4.2	Assistant Professor	Assistant Professor		Regular
57	Dr. D. Brindha	XXXXXXX60B	NA	M.E. and Ph.D.	Anna University	Image Processing	01/09/2021	4.1	Assistant Professor	Assistant Professor		Regular
58	Dr. R. Sangeetha	XXXXXXX28B	NA	M.E. and Ph.D.	Anna University	Network Security, Cyber Systems	30/07/2022	2.9	Assistant Professor	Assistant Professor		Regular
59	Dr. I. Deva Priya	XXXXXXX58E	NA	M.E. and Ph.D.	Karunya University	Computer Networks	15/06/2009	16.4	Assistant Professor	Assistant Professor		Regular
60	Dr. S. Jeba Priya	XXXXXXX88Q	NA	M.E. and Ph.D.	MS UNIVERSITY	Data Mining, Machine Learning	03/05/2010	15.6	Assistant Professor	Assistant Professor		Regular
61	Dr. J. A. M. Rexie	XXXXXXX83Q	NA	M.E. and Ph.D.	Karunya University	Data Structures, Data Science	01/11/2011	14	Assistant Professor	Assistant Professor		Regular
62	Dr. A. Samson Arun Raj	XXXXXXX34A	NA	M.E. and Ph.D.	Anna University	Wireless Sensor Networks, Intelligence System	28/06/2021	4.4	Assistant Professor	Assistant Professor		Regular
63	Dr. S. Shirly	XXXXXXX62M	NA	M.E. and Ph.D.	Anna University	Image Processing	16/08/2021	4.2	Assistant Professor	Assistant Professor		Regular
64	Dr. S. Steward Kirubakaran	XXXXXXX82C	NA	M.E. and Ph.D.	Anna University	Cloud Security	16/08/2021	4.2	Assistant Professor	Assistant Professor		Regular
65	Dr. A. Reyana	XXXXXXX72P	NA	M.E. and Ph.D.	Anna University	Wireless Sensor Networks	08/04/2022	3.6	Assistant Professor	Assistant Professor		Regular
66	Dr. P. Eben Sophia	XXXXXXX03B	NA	M.E. and Ph.D.	Karunya University	Medical Image Processing	25/11/2022	2.11	Assistant Professor	Assistant Professor		Regular

67	Dr. M. Manicka Raja	XXXXXXX46E	NA	M.E. and Ph.D.	Anna University	IoT, Cloud Computing	04/06/2024	1.5	Assistant Professor	Assistant Professor		Regular
68	Mr. S. Basil Xavier	XXXXXXX56M	NA	M.E.	Anna University	IoT, Computing Security	05/08/2013	12.3	Assistant Professor	Assistant Professor		Regular
69	Mr. D. Shibin	XXXXXXX43C	NA	M.E.	Anna University	Computing Security	21/08/2013	12.2	Assistant Professor	Assistant Professor		Regular
70	Dr. I. Titus	XXXXXXX11E	NA	M.E. and Ph.D.	Karunya University	Wireless Sensor Networks	23/08/2021	4.2	Assistant Professor	Assistant Professor		Regular
71	Mrs. T. Kavitha	XXXXXXX13P	NA	M.Tech	Karunya University	IoT, Networking	23/08/2021	4.2	Assistant Professor	Assistant Professor		Regular
72	Dr. P. Santhiya	XXXXXXX11E	NA	M.E. and Ph.D.	Karunya University	Machine Learning, Deep Learning	23/08/2021	4.2	Assistant Professor	Assistant Professor		Regular
73	Ms. M. Shilpa Aarthi	XXXXXXX60D	NA	M.Tech	Karunya University	Machine Learning, Deep Learning	27/08/2021	4.2	Assistant Professor	Assistant Professor		Regular
74	Dr. S. V. Evangelin Sonia	XXXXXXX34B	NA	M.E. and Ph.D.	Anna University	Artificial Intelligence, Machine Learning	06/06/2022	3.4	Assistant Professor	Assistant Professor		Regular
75	Mrs. Keirolona Safana Seles J	XXXXXXX92G	NA	M.Tech	Karunya University	Network Security, Cyber Systems	28/07/2022	3.3	Assistant Professor	Assistant Professor		Regular
76	Mrs. M. Denisha	XXXXXXX96M	NA	M.E.	Anna University	Image Processing	30/07/2022	3.3	Assistant Professor	Assistant Professor		Regular
77	Mrs. Senha George	XXXXXXX63R	NA	M.Tech	Karunya University	Computer Networks	30/07/2022	3.3	Assistant Professor	Assistant Professor		Regular
78	Ms. J. Pearly Princess	XXXXXXX21D	NA	M.Tech	Karunya University	IoT,VLSI	30/07/2022	3.3	Assistant Professor	Assistant Professor		Regular
79	Mr. F. L. Macline Jose	XXXXXXX99J	NA	M.Tech	Karunya Institute of technology and sciences	NLP	12/06/2023	2.5	Assistant Professor	Assistant Professor		Regular
80	Ms. Karumanchi Dolly Sree	XXXXXXX47D	NA	M.Tech	Karunya University	Machine Learning	03/07/2023	1.9	Assistant Professor	Assistant Professor		Regular
81	Mrs. Jeyantha Jafna Juliet	XXXXXXX48A	NA	M.E.	Anna University	Machine Learning	14/07/2023	2.3	Assistant Professor	Assistant Professor		Regular
82	Dr. A. Kathirvel	XXXXXXX62J	NA	M.E. and Ph.D.	Anna University	MANETS	13/08/2021	1.8	Professor	Professor		Regular
83	Dr. C. P. Maheswaran	XXXXXXX85B	NA	M.E. and Ph.D.	Anna University	Wireless Sensor Networks, IoT	01/06/2022	0.11	Associate Professor	Associate Professor		Regular
84	Dr. R. Sabitha	XXXXXXX40E	NA	M.E. and Ph.D.	Karunya University	Machine Learning, Data Mining Techniques in CRM	29/07/2020	2.11	Assistant Professor	Assistant Professor		Regular
85	Dr. A. Josephie Anucia	XXXXXXX11P	NA	M.E. and Ph.D.	MAHATMA GANDHI UNIVERSITY	IOT, VLSI	30/07/2022	1.4	Assistant Professor	Assistant Professor		Regular
86	Ms. Rose Rani John	XXXXXXX56L	NA	M.Tech	Karunya University	Computational Intelligence	06/02/2008	15.7	Assistant Professor	Assistant Professor		Regular
87	Mrs. Aswathy Anda Chacko	XXXXXXX72G	NA	M.Tech	Karunya University	Computing Security	29/07/2022	1.3	Assistant Professor	Assistant Professor		Regular

88	Mr. Caleb Andrew H	XXXXXXX26E	NA	M.E.	Anna University	Multimedia, AI, Image Processing	04/06/2018	5.10	Assistant Professor	Assistant Professor		Regular
89	Ms. J. Ancy Jenifer	XXXXXXX75E	NA	M.E.	Anna University	IOT, Networking, Machine Learning	23/08/2021	2.8	Assistant Professor	Assistant Professor		Regular
90	Mr. Saimon Hemram	XXXXXXX94G	NA	M.Tech	Karunya University	Cyber Security	12/06/2023	0.10	Assistant Professor	Assistant Professor		Regular
91	Mrs. Munmun Gharama	XXXXXXX43L	NA	M.Tech	West Bengal University of Technology	Image Processing	13/07/2023	1.4	Assistant Professor	Assistant Professor		Regular
92	Ms. Ashmiya Lenin	XXXXXXX01H	NA	M.Tech	Karunya University	IOT	01/08/2023	0.9	Assistant Professor	Assistant Professor		Regular
93	Mrs. E. Priyadharsini Lovelin	XXXXXXX80J	NA	M.E.	Anna University	Machine Learning, Deep Learning	31/08/2021	4.2	Assistant Professor	Assistant Professor		Regular
94	Ms. P. Nikkila Paul	XXXXXXX96R	NA	M.Tech	Karunya University	IoT	23/08/2023	0.8	Assistant Professor	Assistant Professor		Regular
95	Mrs. Suja Alphonse A	XXXXXXX10Q	NA	M.E.	Anna University	Deep Learning	13/08/2021	3.9	Assistant Professor	Assistant Professor		Regular
96	Dr. D. Ponmary Pushpa Latha	XXXXXXX36Q	NA	M.Tech and Ph.D.	Karunya Institute of technology and sciences	Data Mining	01/06/2016	9.5	Associate Professor	Associate Professor		Regular
97	Mr.Tilak Bala	XXXXXXX30C	NA	M.Tech	Karunya Institute of technology and sciences	Cyber Security	26/05/2025	0.5	Assistant Professor	Assistant Professor		Regular
98	Mr. Raj Thilak J	XXXXXXX16R	NA	M.Tech	Karunya Institute of technology and sciences	Cloud Computing	09/06/2025	0.5	Assistant Professor	Assistant Professor		Regular
99	Mr Rishab Haldar	XXXXXXX06Q	NA	M.Tech	Karunya Institute of technology and sciences	Artificial Intelligence	30/06/2025	0.4	Assistant Professor	Assistant Professor		Regular
100	Mr. Vijay Vikrama karthikeyan P	XXXXXXX93F	NA	M.E.	Anna University	Networks	04/08/2025	0.3	Assistant Professor	Assistant Professor		Regular
101	Ms. Sivapriya	XXXXXXX44R	NA	M.E.	Anna University	Networks	04/07/2025	0.4	Assistant Professor	Assistant Professor		Regular
102	Ms. Christina Nikitha	XXXXXXX34K	NA	MS	Northeastern University	Analytics	07/07/2025	0.4	Assistant Professor	Assistant Professor		Regular
103	Ms. Oshin	XXXXXXX10J	NA	M.Tech	Karunya Institute of technology and sciences	Artificial Intelligence	20/08/2025	0.2	Assistant Professor	Assistant Professor		Regular
104	Mr. Joms Antony	XXXXXXX19D	NA	M.Tech	Mahatma Gandhi University	Geometric Algorithm	20/09/2025	0.1	Assistant Professor	Assistant Professor		Regular
105	Dr. Pramod Mathew Jacob	XXXXXXX90R	NA	M.Tech and Ph.D.	Vellore Institute of Techology	Internet of Things	02/06/2025	0.5	Assistant Professor	Assistant Professor		Regular
106	Ms. Jeffrin Hannah I	XXXXXXX12K	NA	M.E.	Anna University	Artificial Intelligence	02/06/2025	0.5	Assistant Professor	Assistant Professor		Regular
107	Ms. B. Nandhitha Sree	XXXXXXX19M	NA	M.E.	Anna University	Cyber Security	02/06/2025	0.5	Assistant Professor	Assistant Professor		Regular
108	Mrs. Shilpa Catherine	XXXXXXX70B	NA	MS	University of Texas	Cyber Security	16/06/2025	0.4	Assistant Professor	Assistant Professor		Regular

109	Ms. Gethsia	XXXXXXX08D	NA	M.Tech	Karunya Institute of technology and sciences	Cyber Security	02/05/2025	0.6	Assistant Professor	Assistant Professor		Regular

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 Department2 No. of PG Programs in the Department2

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

Description	**CAY(2025-26)**	**CAYm1 (2024-25)**	**CAYm2 (2023-24)**
UG1.B	60	61	60
UG1.C	61	60	60
UG1.D	60	60	61
UG1: Computer Engineering	**181**	**181**	**181**
UG2.B	180	180	122
UG2.C	180	122	61
UG2.D	122	61	62
UG2: Artificial Intelligence and Data Science	**482**	**363**	**245**
UG3.B	120	120	120
UG3.C	120	120	63
UG3.D	120	63	0
UG3: Computer Science and Engineering (Artificial Intelligence)	**360**	**303**	**183**
UG4.B	182	181	121
UG4.C	181	121	61
UG4.D	121	61	0
UG4: Computer Science and Engineering (Artificial Intelligence & Machine Learning)	**484**	**363**	**182**
UG5.B	422	422	303
UG5.C	422	303	303
UG5.D	303	303	302
UG5: Computer Science and Engineering	**1147**	**1028**	**908**
PG1.A	12	12	12
PG1.B	12	12	12
PG1: Computer Science and Engineering	**24**	**24**	**24**
PG2.A	12	12	12
PG2.B	12	12	12
PG2: Cyber Security	**24**	**24**	**24**
DS=Total no. of students in all UG and PG programs in the Department	663	544	426
AS=Total no. of students of all UG and PG programs in allied departments	2039	1742	1321
S=Total no. of students in the Department (DS) and allied departments (AS)	**S1=** 2702	**S2=** 2286	**S3=** 1747

Description	CAY(2025-26)	CAYm1 (2024-25)	CAYm2 (2023-24)
DF=Total no. of faculty members in the Department	26	21	21
AF= Total no. of faculty members in the allied Departments	82	77	79
F=Total no. of faculty members in the Department (DF) and allied Departments (AF)	**F1=** 108	**F2=** 98	**F3=** 100
FF=The faculty members in F who have a 100% teaching load in the first-year courses	0	0	0
Student Faculty Ratio (SFR)=S/(F-FF)	**SFR1= 25.02**	**SFR2= 23.33**	**SFR3= 17.47**
Average SFR for 3 years	**SFR= 21.94**		

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)]
2025-26(CAY)	64	44	133.00	15.34
2024-25(CAYm1)	62	36	113.00	16.90
2023-24(CAYm2)	53	47	86.00	20.87

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
2025-26	14.00	8.00	29.00	15.00	89.00	85.00
2024-25	12.00	8.00	25.00	15.00	75.00	75.00
2023-24	9.00	8.00	19.00	13.00	57.00	79.00
Average	RF1=11.67	AF1=8.00	RF2=24.33	AF2=14.33	RF2=73.67	AF2=79.67

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. Joseph Jeyarajan N	Professor of Practice	Karunya Institute of Technology and Sciences	Computer Networks	51.00
2	Mr. Joseph Jeyarajan N	Professor of Practice	Karunya Institute of Technology and Sciences	Introduction to Artificial Intelligence	36.00

(CAYm2)

S.No	Name of the Person	Designation	Organization	Name of the Course	No. of hours handled
1	Dr. Raja A S	Adjunct Professor	Envest Net	Machine Learning Techniques	25.00
2	Dr. Raja A S	Adjunct Professor	Envest Net	Deep Learning	26.00

(CAYm3)

S.No	Name of the Person	Designation	Organization	Name of the Course	No. of hours handled
1	Dr. Raja A S	Adjunct Professor	Envest Net	Introduction to Data Science	21.00
2	Dr. Raja A S	Adjunct Professor	Envest Net	Object Oriented Programming	32.00

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	32	32	19
2	No. of peer reviewed conference papers published	76	94	38
3	No. of books/book chapters published	5	4	4

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.A.Shamila Ebenezer	Dr.MSP Subathra Dr.Jebapriya	DSCS	Development of cognitive IoT application for diagnosis of depression in students and treatment using CBT chatbot	ICMR	3 years	9.95
Dr.Grace Mary Kanaga	Dr.Roshni Thanka	DSCS	Smart Wearable Device for Early Prediction and Alerting of Epilepsy in Pre-ictal Phase using Advanced Learning Techniques	TIH-IDEAS, DST	3 years + 1 year extension	1.58
						Amount received (Rs.):11.53

(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.Grace Mary Kanaga	Dr.Roshni Thanka	DSCS	Smart Wearable Device for Early Prediction and Alerting of Epilepsy in Pre-ictal Phase using Advanced Learning Techniques	TIH-IDEAS, DST	3 years + 1 year extension	0.69
Dr.A.Shamila Ebenezer	Dr.MSP Subathra Dr.Jebapriya	DSCS	Development of cognitive IoT application for diagnosis of depression in students and treatment using CBT chatbot	ICMR	3 years	9.84
						Amount received (Rs.):10.53

(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.Shamila Ebenezer	Dr.MSP Subathra Dr.Jebapriya	CSE	Development of cognitive IoT application for diagnosis of depression in students and treatment using CBT chatbot	ICMR	3 years	5.96
Dr.Grace Mary Kanaga	Dr.Anitha, Dr. Thomas George, Dr. Kumudha Raimond	CSE	Design and development of an Adaptive Braing Computer Interface(BCI) based assistive Tools for Paralytic People	DST-NRDMS	3 years + 1 year extension due to corona	5.50
						Amount received (Rs.):11.46

Total Amount (Lacs) Received for the Past 3 Years: 33.52

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. Jenefa	Mr. Nirmal Varghese Babu	DSCS	Collaborating on Live Projects with Industry	GMS	8 Jan 2025 - Ongoing	0.73
						Amount received (Rs.):0.73

(CAYm2)

(CAYm3)

Total amount (Lacs) received for the past 3 years: 0.73

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.Vidhya	Blockchain Technology for Carbon Footprint	1 year	0.80	0.70	Conference publication, patent under process
Dr.A.Shamila Ebenezer	Hardware acceleration of Bandwidth and energy efficient deep learning architecture	1 year	1.45	0.62	Conference publication, patent under process
			Amount received (Rs.): 2.25		

(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. Vidhya	Smart Focus: A cognitive tracking system for classroom engagement	1 year	0.50	0.50	2 Publications and 1 patent on progress
Dr. M. Bhuvaneshwari	A portable EEG-based device for early detection of alcohol addiction	1 year	0.50	0.00	Publication
Dr. V Ebenezer Dr. Roshni Thanka	Internet of Things Based Wearable Device for Women Safety	2 months	0.43	0.43	Patent Publication
			Amount received (Rs.): 1.43		

(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. Gadudasu Babu Rao Dr. Kumudha Raimond Dr. Sujitha Juliet	Specnoscope Plus – An Indigenous Cervical Cancer Screening Unit	2 months	0.58	0.58	Patent Published
Dr. V Ebenezer Dr. Bijolin Edwin Dr. Roshni Thanka	Internet of Things Based Food Recommendation System	1 month	0.53	0.53	Patent Published
Dr E. Grace Mary Kanaga Ms. M. BhuvaneshwariDr	Voice Based Communication System	1 month	0.25	0.25	Patent Published
Dr. Sujitha Juliet	Industrial Indoor asset Position and Navigation system	1 month	0.25	0.25	Patent Published
			Amount received (Rs.): 1.61		

Total amount (Lacs) received for the past 3 years : 5.29

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	Computer Programming Laboratory (CTC III Lab 15)	70	Desktop Lenovo-Think Centre neo 30a 24 Gen 3 200, 8 GB DDR4	18 Hours	Mr. Naveen Cl	Lab Technicia	B.A.,D.C.T
2	Data Science Laboratory (CTC III Lab 16)	80	Acer Altos P130 F9 SOOW Intel Core i7 13700 (16C (8P+8E), 2.10	18 Hours	Mr. M.Praveer	Computer Tec	M.C.A.,M.Phil.

D2. Safety Measures in Laboratories

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

Sr. No	Laboratory Name	Safety Measures

1	Computer Programming Laboratory (CTC III, Lab 15) & Data Science Laboratory (CTC III, Lab 16)	Basic Safety Measures: •Proper electrical wiring with earthing and use of stabilized power supply •Availability of fire extinguishers and clearly marked emergency exits •Adequate ventilation and proper lighting in the laboratory •Ergonomic arrangement of computer systems and furniture •Proper cable management to avoid tripping and accidents •Restricted and monitored access to the computer lab •Clear safety instructions and lab usage guidelines displayed •Regular maintenance and inspection of systems and electrical equipment •Training and awareness programs on basic lab safety practices Lab-specific safety measures: •Standard operating procedures (SOPs) and safety instructions are clearly displayed inside the laboratory. •Cables and network wiring are neatly organized using cable trays to avoid tripping hazards. •Entry to the laboratory is restricted to authorized users, and a log register is maintained for monitoring. •Food and liquids are strictly prohibited inside the lab to prevent electrical hazards and equipment damage. •Regular system maintenance, antivirus updates, and hardware checks are carried out to ensure safe operation.

D3. Project Laboratory/Research Laboratory

A.Availability of project laboratories/research laboratories

Sl.No	Name of the Laboratory / Centre of Excellence
1	Cognitive Computing
2	Enterprise AI
3	Data Acquisition & Data Analytics Lab
4	Microsoft Centre for Data Science & Artificial Intelligence
5	CISCO Centre for Advanced Networking-g
6	IBM Big Data Software Centre of Excellence
7	Intel Unnati Artificial Intelligence Internet of Things Lab
8	SUSE Centre of Excellence for Cloud Computing

The project and research laboratories are equipped with industry-standard software, advanced computing devices, and hardware interfaces that enable students and scholars to work on mini-projects, final-year projects, research papers, and product development

B.Availability of Centre of Excellence

The division hosts Centres of Excellence in collaboration with global technology leaders such as Microsoft, IBM, SUSE, and CISCO. These centres aim to bridge the gap between academia and industry by providing students with access to real-world tools, certifications, and mentorship.

- Microsoft Centre for Data Science & AI – Industry certification and interdisciplinary research.
- IBM Big Data Software Centre of Excellence – Big data handling and warehousing systems.
- SUSE Centre of Excellence for Cloud Computing – Cloud deployment and virtualization platforms.
- CISCO Centre for Advanced Networking – Networking and cyber security certifications.

C.Utilization of Project Laboratories / Research Laboratories / Centre of Excellence

Laboratory facilities are actively utilized by undergraduate students, research scholars, and faculty members:

Project Work: Final-year projects and interdisciplinary initiatives are carried out in these labs.

Research Activities: Faculty funded research, publications, and patent work are supported.

Skill Development: Regular workshops, certification programs and hands-on lab sessions are conducted.

Innovation and Hackathons: Students use these labs to prototype solutions for national-level hackathons.

Centre of Excellence is coordinated by faculty experts in order to assist and train students in their academic laboratory Course, projects and research work. The laboratory facilities pave the way for the students to interact with their supervisors to create a test bed, implement their research work and publish the outcome in reputed journals and conference proceedings. The students find an opportunity to work with the industry mentors through these collaborations.

Also, students are encouraged to take up globally recognized industry certifications to improve their skill set and expertise. During the course of their study, students participate in various training programs, webinars, and seminars, from the top-notch industry such as GmbH, Austria through the Unicorn Suite ecosystem to gain insights in cutting edge technologies for professional growth.

1.Cognitive Computing

- The Cognitive Computing Research Lab has significantly contributed to academic excellence and research innovation by supporting core courses and regular laboratory sessions in Brain Computer Interface and EEG signal processing for undergraduate and doctoral programs.
- The lab has enabled high-quality research output, including 7 SCIE- and 2 Scopus-indexed publications, patents, and ongoing funded research, thereby strengthening the institution's research profile. Through hands-on training, workshops, and project-based learning, students have gained practical expertise in neuro technology, artificial intelligence, and cognitive computing.
- The laboratory has facilitated the development of EEG-based applications and BCI prototypes for cognitive state analysis, assistive communication, and mental health monitoring, while also fostering interdisciplinary collaboration and industry-oriented skills, establishing the lab as a hub for innovation in cognitive computing and BCI technologies.

2.Enterprise AI

- The Enterprise AI Lab is a premier advanced research facility established under the Division of Data Science and Cyber Security, School of Computer Science and Technology, Karunya Institute of Technology and Sciences. This state-of-the-art laboratory is dedicated to fostering innovation, academic excellence, and research advancements in cutting-edge domains such as Generative Artificial Intelligence, Large Language Models (LLMs), Multimodal AI, Prompt Engineering, and Intelligent Automation.
- The lab provides a dynamic and collaborative environment for research scholars, undergraduate students, and faculty members to engage in interdisciplinary projects involving Deep Learning, Natural Language Processing, Computer Vision, Reinforcement Learning, and Human-AI Interaction. It serves as a foundational hub for developing next-generation AI applications, including text generation, image synthesis, video analytics, conversational agents, digital twins, and AI-driven decision-support systems.

3.Data Acquisition & Data Analytics Lab

- The Data Acquisition & Data Analytics (DADA) Lab is a premier advanced research facility established under the Division of Data Science and Cyber Security, School of Computer Science and Technology, Karunya Institute of Technology and Sciences. This state-of-the-art laboratory is dedicated to advancing

innovation, academic excellence, and research in the rapidly growing domains of Data Acquisition Systems, Sensor Technology, Real-Time Signal Processing, Big Data Analytics, and Intelligent Data-Driven Systems.

- The lab provides a dynamic environment for research scholars, UG students, and faculty members to engage in interdisciplinary projects that integrate Data Science, AI/ML, Internet of Things (IoT), Statistical Modeling, and Advanced Analytics. It enables learners to collect, process, analyse, visualize, and interpret real-world datasets acquired from sensors, biomedical devices, IoT nodes, industrial equipment, and environmental monitoring systems.

4.Microsoft Centre for Data Science & Artificial Intelligence

- The Microsoft Centre for Data Science & Artificial Intelligence is a facility dedicated to fostering excellence in Data Science, Machine Learning, Artificial Intelligence, and Microsoft Certifications.
- Designed to empower students, research scholars, and faculty members, the Centre focuses on hands-on project work, industry-recognized certifications, and interdisciplinary research in critical domains such as healthcare, finance, and IoT.
- Specialized equipment like Brainwave NeuroSky headsets support research in neurotechnology and cognitive sciences. In collaboration with Microsoft India Pvt. Ltd., the Centre provides access to synchronized learning platforms, software tools, and course deployment aligned with Microsoft's Fundamentals portfolio.
- The lab supports essential programming languages such as Python and R, machine learning frameworks like Tensor Flow, PyTorch, and scikit-learn, and various database and visualization tools. Certification programs offered include Azure Fundamentals (AZ-900), AI Fundamentals (AI-900), Data Fundamentals (DP-900), and Security, Compliance, and Identity Fundamentals (SC-900).
- The Centre promotes a culture of innovation, learning, and industry alignment. It plays a vital role in bridging the gap between academic learning and real-world application.

5.Cisco Advanced Networking Lab

- Equipped with industry-grade resources such as CISCO routers (2800 series), switches (2960 series), ASA 5500 firewalls, and advanced simulation tools like Packet Tracer, the centre facilitates hands-on learning aligned with CCNA and other professional certifications. Students benefit from instructor-led training via CISCO, Netcad and access to modern tools such as Raspberry Pi, Jetson Nano, and wireless access points, enabling exploration in edge computing, SDN, and wireless sensor networks.
- The labs primary focus includes research and innovation in secure communications, cloud systems, and modern networking architectures, aiming to build secure, scalable, and interconnected digital ecosystems.
- Faculty have been extensively trained and awarded by CISCO for excellence in mentoring and academic service. Events such as guest lectures, hands-on workshops, webinars, and seminars on IoT and cybersecurity have further reinforced the Centres role in advancing academic and practical competencies.
- Ultimately, the Centre plays a pivotal role in shaping future-ready professionals, bridging academic learning with real-world networking demands.

6.IBM Big Data Software Center of Excellence

- The IBM Big Data Software Centre of Excellence is a premier facility dedicated to Big Data Analytics, Data Warehousing, and Advanced Database Systems, offering students and researchers access to cutting-edge technologies and industry-aligned training.
- Equipped with IBM Netezza Server, BigInsights tools, and DB2 databases, the lab empowers students to manage large-scale data processing and build sophisticated analytics workflows.
- The infrastructure features Dell Optiplex 7070 and 3020 desktops, Apple 10th gen iMacs, interactive smart boards, NVIDIA Jetson Nano Kits, fingerprint scanners, and BENQ LCD projectors, supporting a rich learning and development environment.
- Periodic training sessions and faculty development programs are conducted by IBM experts, ensuring up-to-date exposure to emerging technologies. In collaboration with IBM, KITS facilitates the Train the Trainer (T3) program aimed at enhancing faculty members proficiency in advanced IBM tools for AI and Data Science.
- The Centre is aligned with industry trends and emphasizes real-time projects, hackathons, and career mentorship.
- Notable sessions include webinars on Big Data Analytics, Quantum Computing, MLOps, Watsonx, and IBM COGNOS Analytics.With strong focus on employability, the Centre enables students to earn industry-recognized certifications in AI, Data Science, and Cybersecurity

7.Intel Unnati Artificial Intelligence Internet of Things Lab

- The Intel Unnati Artificial Intelligence Internet of Things Lab is an interdisciplinary hub focused on Embedded Systems, Edge Computing, AI-integrated IoT, and Sensor Networks, aimed at addressing real-world challenges through intelligent, connected solutions.
- With state-of-the-art infrastructure, including Raspberry Pi, Arduino, UP Squared boards, AI accelerators, drones, smart sensors, Intel Edge Computing kits, and a 3D printer, the Centre enables hands-on learning and innovation in fields like smart healthcare, precision agriculture, and predictive maintenance.
- Training sessions, FDPs, and webinars led by Intel-certified experts have explored topics such as TensorFlow optimization, confidential computing, drone technology, and generative AI.
- Events like the Intel Nexus Bootcamp Hackathon and Intel Unnati FDP further enhance technical competencies. Students gain exposure to AI-ML tools, cloud-to-edge applications, and secure IoT system deployment.

8.SUSE Centre of Excellence for Cloud Computing

- The SUSE Centre of Excellence for Cloud Computing is a specialized facility dedicated to advancing knowledge and practical skills in cloud computing, virtualization, IaaS, and open-source technologies.
- Designed to benefit students of AI&DS, cloud research scholars, and faculty engaged in DevOps and infrastructure management, the Centre offers robust infrastructure, including Super Micro Dual Socket Servers and a SUSE Linux Environment with advanced virtualization platforms.
- Students gain hands-on experience with Kubernetes, Docker, OpenStack, and public cloud environments such as AWS and Azure, enabling them to effectively deploy, manage, and scale virtualized applications.
- The Centre provides industry-recognized certifications like SUSE Certified Associate (SCA) and SUSE Certified Engineer in SLES, preparing learners to meet real-world industry demands.
- The Centre also hosted a variety of seminars and workshops, including sessions on energy-efficient cloud infrastructure, scalability techniques, AI in cloud computing, Kubernetes Boot camp, and OpenStack orchestration.
- The initiatives support the Centres vision to create a skilled workforce ready to tackle challenges in cloud infrastructure and sustainable digital environments.

D.Relevance of POs/PSOs

Sl.No	Name of the Laboratory / Centre of Excellence	Relevant POs / PSOs

1	Cognitive Computing	PO3, PO4, PO5, PSO1, PSO2
2	Generative AI	PO1, PO2, PO4, PO12, PSO2
3	Data Acquisition & Data Analytics Lab	PO3, PO5, PO11, PSO2
4	Microsoft Centre for Data Science & Artificial Intelligence	PO3, PO4, PO5, PSO1, PSO2
5	Cisco Advanced Networking Lab	PO1, PO2, PO4, PO12, PSO2
6	IBM Big Data Software Centre of Excellence	PO3, PO4, PO5, PSO1, PSO2
7	Intel Unnati Artificial Intelligence Internet of Things Lab	PO3, PO4, PO5, PSO1, PSO2
8	SUSE Centre of Excellence for Cloud Computing	PO3, PO5, PO11, PSO2



Figure:Center for Excellence

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)	1650	82	54	83	73
2024-25(CAYm1)	1650	82	51	87	71

2025-26(CAY)	1500	75	51	69	73

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	37819000	16406978	15739250	16782529	14293000	46186347	22684500	48675115
Library	3170000	696702	3225800	752858	2740000	371867	4035000	1857651
Laboratory equipment	233278275	64724748	193004686	69494419	195857557	94447319	160823754	99213351
Teaching and non-teaching staff	631373270	445109035	689880254	637062952	665563445	667552837.4	610809611	626635051
Outreach Programs	2605000	1678688	2740200	2149412	2626868	1515824	8316960	3169691
R&D	74355136	7965046	36367280	64991108	32637280	58448735	15882065	86405960
Training, Placement and	23135850	24899801	23135850	21646776	15751850	14253129	13582215	15502032
SDGs	7000000	5514085	12000000	11076745	7000000	6797754	15000000	14211361
Entrepreneurship	11023537	7014239	11023537	4122987	10950295	4046453	6662778	3987601
Others, specify	637651141	436048998	642932752	568251060	633907173	518871962	560333609	568593435
Total	**1661411209**	**1010058320**	**1630049609**	**1396330846**	**1581327468**	**1412492227.4**	**1418130492**	**1468251248**

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	13815000	7734780	8364507	5206719	0	24485	1137000	0
Software	4466468	1022378	3685982	3080090	2853231	2280689	1696478	1269297
SDGs	165812	130614	284904	262984	166479	161669	448692	425102
Support for faculty development	33764	4301	33688	887	34291	2591	6037	95458
R & D	1093699	336584	510941	145200	497218	113654	307910	139557
Industrial Training, Industry expert,	326389	1325316	325655	812947	331479	246043	227008	251533
Miscellaneous Expenses*	23717436	12803521	20796157	16398638	15416129	12463613	7067845	7118848
Total	**43618568**	**23357494**	**34001834**	**25907465**	**19298827**	**15292744**	**10890970**	**9299795**