Annual Report 2023 - 2024
Department of computer science

No. of students admitted in I Year [2023 - 2024]: 43
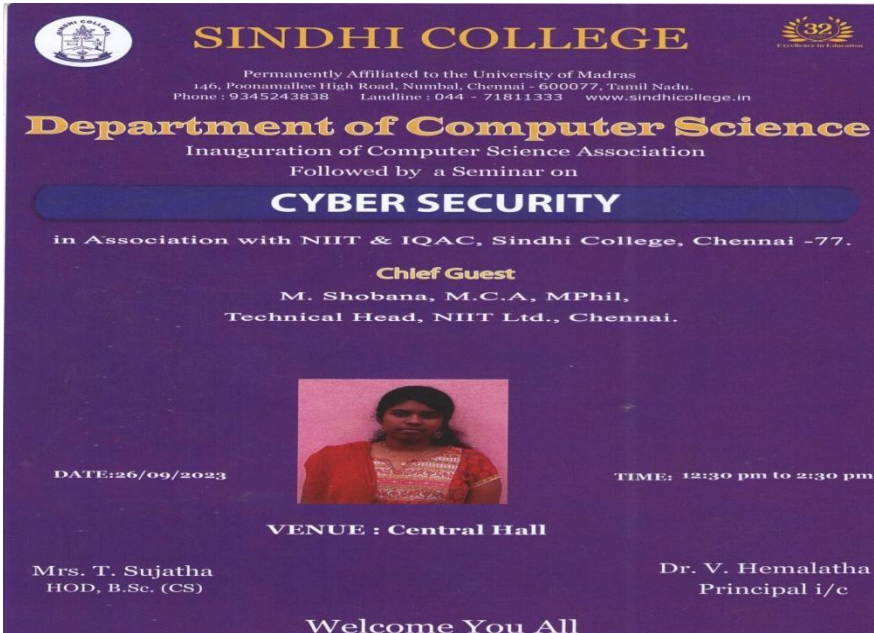
Department Association Activities

Inauguration of Computer Science Association

The inauguration of the Computer Science Association was held on 26/09/2023. This was followed by a Seminar on 'Cyber Security' organized by the Department of Computer Science in association with NIIT & IQAC. Mrs. T. Sujatha, HoD, Department of Computer Science welcomed the gathering. The inaugural address was given by our principal Dr. V. Hemalatha. Dr. T. Prahalathan, HoD, Department of Tamil gave a special address. Dr. P. Saraswathi, Associate Professor, Department of Computer Science introduced the chief guest. M. Shobana, Technical Head, NIIT Ltd, Chennai was the chief guest on that day. She explained the various concepts of Cyber Security through a powerpoint presentation.

The students from various departments like B.Sc. (CS), B.Com. (ISM), B.Com. (General), B.A. (Tamil) and B.Sc. (VC) participated. More than 250 Students and 16 staff members attended the seminar. Vote of thanks was given by Dr. Senthil .S. Sekhar, Associate Professor, Department of Computer Science. The seminar was compered by H. V. Dwaraka Ramana, III B.Sc. (CS), R. Sangeetha, II B.Sc. (CS) – Section A & K. Nivetha, II B.Sc. (CS) – Section B.

Invitation:

HOD, Principal & Chief Guest

Welcome Address by Mrs. T. Sujatha, HOD, B.Sc. (CS)

Lighting of Lamp by our Principal Dr. V. Hemalatha

Inaugural Address by our Principal Dr. V. Hemalatha

Special Address by Dr. T. Prahalathan, HoD, B.A. (Tamil)

Introduction to the Chief Guest by Dr. P. Saraswathi, Associate Professor, B.Sc. (CS)

Seminar Presentation by the Chief Guest M. Shobana

Staff Members and Students attending the Seminar

Staff Members and Students attending the Seminar

Vote of Thanks by Dr. Senthil .S. Sekhar, Associate Professor, B.Sc. (CS)

Compering by H. V. Dwaraka Ramana, R. Sangeetha & K. Nivetha

B.Sc. (CS) Staff Members with Chief Guest

National Science Day - 28/02/2024

The Department of Computer Science in association with IQAC has organized a seminar on 'The Role of AI and Big Data in Promoting Sustainability' on the occasion of the National Science Day, 28th February 2024. The program began at 1.30 pm in the Central Hall with Gayathri Mantra followed by Tamilthai Valthu.

The Welcome Speech was given by Mrs. T. Sujatha, HoD, Department of Computer Science. The inaugural address was given by our principal Dr. T. Prahalathan. Dr. S. Shobana, Vice Principal gave the special address. Introduction to the chief guest was given by Dr. P. Saraswathi, Associate Professor, Department of Computer Science. Dr. G. Gayathri, HoD, Department of Computer Science, Alpha Arts and Science College, Porur was the Chief Guest on that day. She has explained the concepts of AI and Big Data in promoting sustainability through power point presentation and YouTube videos.

The students from B.Sc. (CS) & B.Com. (ISM) participated. More than 200 students and 16 staff members attended the seminar. Miss. M. Renuka, II B.Sc. (CS) – Section A gave a speech about the importance of National Science Day. Vote of thanks was given by Dr. Senthil .S. Sekhar, Associate Professor, Department of Computer Science. The seminar was compered by Mrs. D. Kavitha, Assistant Professor, Department of Computer Science, Pavithradevi S, II B.Sc. (CS) – Section A and Durgadevi S, II B.Sc. (CS) – Section B. The program ended with the National Anthem.

Invitation:

Principal, Vice-Principal, HoD and Chief Guest

Welcome Speech by Mrs. T. Sujatha, HoD, Department of Computer Science

Presidential Address by our Principal Dr. T. Prahalathan

Special Address by our Vice-Principal, Dr. S. Shobana

Introduction of the Chief Guest by Dr. P. Saraswathi, Associate Professor, B.Sc. (CS)

Seminar Presentation by our Chief Guest, Dr. G. Gayathri

Principal, Vice-Principal, Staff and Students attending the Seminar

Vote of thanks by Dr. Senthil .S. Sekhar, Associate Professor, B.Sc. (CS)

B.Sc. (CS) Staff Members with the Chief Guest Dr. G. Gayathri

STAFF ACHIEVEMENTS

STAFF MEMBERS WHO HAVE PUBLISHED PAPERS IN CONFERENCES

S.NO	FACULTY NAME	TITLE	PLACE	MONTH & YEAR	STATE/ NATIONAL / INTERNATIONAL
	J. LAVANYA	A Survey of Brain Tumor Detection and Classification based on Machine, Deep Learning and CNN based Transfer Learning Techniques.	RVS College of Engineering and Technology	03-05 August 2023	International
	J. LAVANYA	Improving BrainTumor MRI Images with Pre-Processing Techniques for Noise Removal	Bharath Niketan Engineering College, Theni, Tamil Nadu,	15-17 November 2023	International

STAFF MEMBERS WHO HAVE PUBLISHED JOURNALS

1. Faculty Name: Mrs. T. SUJATHA, M.Sc. (Physics), PGDCA, M.Ed., MCA, M.Phil. (CS), M.Phil. (Physics)

SL. NO.	TITLE	JOURNAL PUBLICATION	MONTH & YEAR	JOURNAL TYPE
	IMAGE VERIFICATION AND VALIDATION ON LOSSLESS COMPRESSED IMAGES USING HUFFMAN CODING Authors: T. Sujatha and Dr. K. Selvam	Journal of Data Acquisition and Processing DOI: 10.5281/zenodo.98549458 Link to the Article: https://sjcjycl.cn/article/view-2023/03_2068.php	ISSN Number: 1004-9037 (Volume 38, Issue 3) May 2023	Scopus

2. Faculty Name: Dr. M. ALEXANDER, M.Sc. (IT), M.Phil. (CS), PhD.

SL. NO.	TITLE	JOURNAL PUBLICATION	MONTH & YEAR	JOURNAL TYPE
	ENERGY EFFICIENT CLUSTERING USING MODIFIED MONARCH BUTTERFLY FOR WIRELESS SENSOR NETWORK "JOURNAL OF DATA Authors: Mr. M. Alexander and Dr. W. Rose Varuna	Journal of Data Acquisition and Processing DOI: 10.5281/zenodo.777688 Link to the Article: https://sjcjycl.cn/	ISSN Number: 1004-9037 (Volume 38(3), 2023 5311, ISSN 1004-9037 July 2023	Scopus Indexed

	TITLE	JOURNAL PUBLICATION	MONTH &YEAR	JOURNAL TYPE
	SURVEY ON COMPARISON OF WIRELESS SENSOR NETWORK WITH OPTIMISATION ALGORITHMS Authors: Mr. M. Alexander and Dr.W.Rose Varuna	Advanced Engineering Science,Volume 55, Issue 02, July 2023 Issne – 2096-3246	July 2023	Scopus Indexed
	HYBRID TECHNIQUE FORENERGY EFFICIENT IN WIRELESS SENSOR NETWORKS Authors: Mr. M. Alexander and Dr.W. Rose Varuna	International Research Journal Of Modernization Engineering Technology And Science, Volume 05/Issue of 07/July 2023	July 2023	Scopus Indexed

3. Faculty Name: Mrs. J. LAVANYA, M.Sc. (CS), M.Phil. (CS), M.Tech.

	TITLE	JOURNAL PUBLICATION	MONTH &YEAR	JOURNAL TYPE
	A Survey of Brain Tumor Detection and Classification based on Machine, Deep Learning and CNN based Transfer Learning Techniques. Authors: Mrs. J Lavanya and Dr. S. Nagasundaram	ISBN Information: DOI: 10.1109/ICIRCA57980.2023.10220735 Link to the Article: https://ieeexplore.ieee.org/document/10220735	03-05 August 2023	Scopus Indexed
	Improving Brain Tumor MRI Images with Pre-Processing Techniques for Noise Removal Authors: Mrs. J. Lavanya and Dr. S. Nagasundaram	IEEE ISBN Information: DOI: 10.1109/ICSCNA58489.2023.10370349 Link to the Article: https://ieeexplore.ieee.org/document/10370349	15-17 November 2023	Scopus Indexed

STAFF MEMBERS WHO HAVE ATTENDED FDP

1. Faculty Name: Dr. M. ALEXANDER, M.Sc. (IT), M.Phil. (CS), PhD.

TITLE	PLACE	MONTH & YEAR	NAME OF THE ORGANIZATION
Oracle Cloud Infrastructure	SIVET COLLEGE	22.01.2024 TO 24.01.2024, 29.01.2024, 30.01.2024	AdroIT Technology

2. Faculty Name: Dr. SENTHIL .S. SEKHAR, MCA, M.Phil. (CS), Ph.D.

TITLE (Workshop)	PLACE	MONTH & YEAR	NAME OF THE ORGANIZATION
Academic Writing – Ethical issues	Chennai	16.09.2023 to 18.09.2023	Global Institute of Statistical Solutions.

3. Faculty Name: Dr. K. GEETHA, MCA, M.Phil. (CS), Ph.D.

TITLE	PLACE	MONTH & YEAR	NAME OF THE ORGANIZATION
Cloud Practitioner	S.A. College of Arts &Science, Chennai	19.06.23 to 23.06.23	ICT ACADEMY

4. Faculty Name: Mr. DUGGI CHANDRAMOULI, MCA, M.Phil. (CS)

TITLE	PLACE	MONTH & YEAR	NAME OF THE ORGANIZATION
Business Process Management	New College	10.01.2024 to 12.01.2024	University of Madras

5. Faculty Name: Mrs. D. KAVITHA, MCA, M.Phil. (CS)

TITLE	PLACE	MONTH & YEAR	NAME OF THE ORGANIZATION

		SSS Jain College, T.Nagar	24.07.2023 and 25.07.2023	TN GOVT
	FDP – Nan Mudhalvan			
	FDP - Embark on a Journey of Transformation at Umagine TN 2024	Chennai Trade Centre	24.02.2024/ Nandambak kam	ICT ACADEMY

6. Faculty Name: Mrs. J. LAVANYA, M.Sc. (CS), M.Phil. (CS)

	TITLE	PLACE	MONTH & YEAR	NAME OF THE ORGANIZATION
	FDP – Promoting Entrepreneurship & innovation in Higher Education Institutions	University of Madras, Chennai - 5	22.02.2024 and 23.02.2024	University of Madras

Journal Reviewer

Faculty Name   : Dr. P.SARASWATHI, MCA, M.Phil. (CS), Ph.D.

IAENG – International Association of Engineers

Member Number: 136128

BOOKS PUBLISHED BY STAFF MEMBERS

Sl. No.	Name of the Teacher	Title of the Book	Year of Publication	ISBN No.	Name of the Publisher
1	Mrs. T. SUJATHA	PYTHON PROGRAMMING	SEPTEMBER 2023	978-93-5577-746-1	Charulatha Publications
2	Dr. P. SARASWATHI	ARTIFICIAL INTELLIGENCE AND EXPERT SYSTEM	OCTOBER 2023	978-93-5577-664-8	Charulatha Publications

STAFF MEMBERS WHO WERE AWARDED PHD

	FACULTY NAME	GUIDE NAME	UNIVERSITY	MONTH & YEAR
	M. ALEXANDER	Dr. W. ROSE VARUNA	BHARATHIYAR UNIVERSITY	MARCH 2024

STAFF MEMBERS WHO ARE PURSUING PHD

SL. NO.	FACULTY NAME	QUALIFICATION	GUIDE NAME	UNIVERSITY
1	Mrs. T. Sujatha	MCA, MPhil.	Dr. K. SELVAM	Dr. MGR Educational and Research Institute (Deemed to be University)
2	Mr. Duggi Chandramouli	MCA, MPhil.	Dr. RADHA RAMMOHAN	Dr. MGR Educational and Research Institute (Deemed to be University)
3	Mrs. D. Kavitha	MCA, MPhil.	Dr. MEENAKSHI	SRM University
4	Mrs. J. Lavanya	MSc. (CS), MPhil.	Dr. S. NAGASUNDARAM	VEL'S University

STUDENT ACHIEVEMENTS

LIST OF STUDENTS SECURED PRIZES IN OTHER COLLEGE EVENTS [2023 – 2024]

	DATE	STUDENT NAME	CLASS	COLLEGE NAME	EVENT NAME	PRIZE DETAILS
	23/02/2024	ARUN KUMAR S & SELVA MADHAVAN A	III BSc (CS)	ALPHA ARTS & SCIENCE COLLEGE, CHENNAI - 116	CRACK THE CODE	I PRI III PRIE
	13/03/2024 & 14/03/2024	SANGEETHA R THULASI L S YUVARAJ S	II BSc (CS) – SEC. A	ALPHA COLLEGE OF ENGINEERING, CHENNAI	TREASURE HUNT	I PRIE
	03/04/2024	THULASI L S	II BSc (CS) – SEC. A	ALPHA COLLEGE OF ENGINEERING, CHENNAI	GUESS THE LYRICS	I PRIE
	03/04/2024	AKASH M SANTHOSH S YUVARAJ S	II BSc (CS) – SEC. A	ALPHA COLLEGE OF ENGINEERING, CHENNAI	BOX CRICKET	I PRIE

GENERAL PROFICIENCY [2023 – 2024]

SL. NO.	ROLLNO	STUDENT NAME	CLASS	PERCENTAGE
1	2023CSC006	JAYALAKSHMI J	I B.Sc. (CS)	86.67
2	2022CSC017	THULASI L S	II B.Sc. (CS) - SEC. A	83.88
3	2021CSC005	VIDHYA S	III B.Sc. (CS)	81.37

100 % ATTENDANCE [2023 – 2024]

SL. NO.	ROLLNO	STUDENT NAME	CLASS	ATTENDANCE PERCENTAGE
1	2022CSC017	THULASI L S	II B.Sc. (CS) - SEC. A	100

MANAGEMENT SCHOLARSHIP LIST [2023 – 2024]

SL. NO.	ROLLNO	STUDENT NAME	CLASS	AMOUNT
1	2022 CSC 056	VARSHA V	II B.Sc. (CS) - SEC. A	Rs. 3000/-
2	2022 CSC 121	JAGADEESAN T	II B.Sc. (CS) - SEC. A	Rs. 3000/-
3	2022 CSC 113	JANANI V	II B.Sc. (CS) - SEC. B	Rs. 3000/-
4	2022 CSC 115	YUVAN SHANKAR B	II B.Sc. (CS) - SEC. B	Rs. 3000/-
5	2021 CSC 005	VIDHYA S	III B.Sc. (CS)	Rs. 3000/-
6	2021 CSC 045	NANDHINI A	III B.Sc. (CS)	Rs. 3000/-

CENTRAL SECTOR SCHEME OF SCHOLARSHIPS FOR COLLEGE AND UNIVERSITY STUDENTS [2023 – 2024]

S. NO.	ROLL NO.	STUDENT NAME	CLASS	AMOUNT
1	2021CSC018	MONIKA K	III BSc(CS)	Rs. 12,000/-

LIST OF STUDENTS PLACED IN THE CAMPUS INTERVIEW [2023 – 2024]

SL. NO.	ROLLNO	STUDENT NAME	NAME OF THE COMPANY
1	2021 CSC 043	KURSHITH BANU M	VERTICAL