ST.MARY'S COLLEGE (AUTONOMOUS)

Re-accredited with 'A+' by NAAC (4th Cycle)

Thoothukudi-628001,Tamil Nadu

PG Department of Computer Science (SSC)

NEWSLETTER
2021-2022

Editorial Team

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Assistant Professor
PG Computer Science (SSC)

HoD's Message

Dear Students and Faculty of the PG Computer Science Department, it brings me great joy to share the recent updates and accomplishments from our dynamic department. This academic year has been marked by outstanding achievements, reflecting the commitment and excellence of our community.

- We are delighted to share that our students have achieved a remarkable 100% pass rate in their final exams, reflecting their dedication and the unwavering support of our faculty.
- Our students have excelled in MooC exams, further enriching their skills and knowledge.
- Our students have also showcased their talents by presenting and publishing papers at both international and national conferences.
- Our department staffs have actively participated in a variety of seminars and workshops, continuously enhancing their expertise and teaching methodologies.
- Our faculty members have made significant contributions to academic discussions by presenting and publishing papers at esteemed conferences and in renowned journals.
- We have successfully organized webinars, association meetings and intercollegiate, raising opportunities for professional development.

Deeply appreciate your continued support and commitment.

Warm regards,
Ms. C. Nayanthra Mascarenhas
Coordinator
Department of PG Computer Science (SSC)

Department Activities

The Department of PG Computer Science (SSC) conducted its Association meeting on 01-10-2021 on the topic "Overview of BlockChain", Dr. K. Hema Shankari, Associate Professor, Dept. of Computer Applications Women's Christian College Chennai was the resource person.
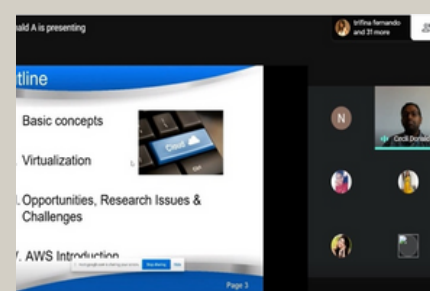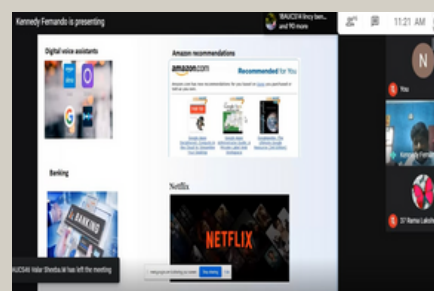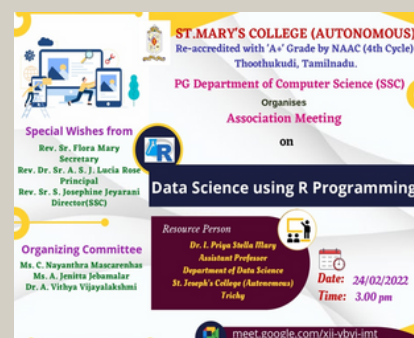
The Department of PG Computer Science (SSC) conducted its Association meeting on 24-02-2021 on the topic "Data Science using R Programming", Dr. I. Priya Stella Mary, Assistant Professor, Department of Data Science, St. Joseph's College (Autonomous), Trichy was the resource person.

The Department of PG Computer Science (SSC) organised National Webinar on "AWS Cloud & Internet of Things (IoT)" was organized on 19-03-2021. Dr. A. Cecil Donald and Dr. A. Dalvin Vinoth Kumar, Assistant Professor, Department of Computer Science, Kristu Jayanti College (Autonomous), Bengaluru were the resource person.

The Department of PG Computer Science (SSC) organised webinar on "Introduction to Data Science" was jointly organized with Department of Computer Science (UG) on 21-04-2021. Mr. S. Kennedy, Sr. Data Scientist, Cognizant Technology Solutions, Chennai was the resource person.

The Department of PG Computer Science (SSC) organised its 1st intercollegiate cultural fest "Technophilia 2k21", a virtual state level intercollegiate competition on 12th November 2021. The fest included five competitions Tech Talk (Paper Presentation), RedPencil (Debugging), Mind Buzzer (Quiz), Web-Adroitzz (Web Designing) and Meme-O-Mania (Meme Creation). Totally 9 colleges were participated in this fest.

Staff Activities

Name	Publication-Journal	Publication-Book	Patent	Paper Presentation	Conference Attended
Mrs.C.Nayanthra Mascarenhas	-	-	-	-	1
Dr.S. Sowmyayani	2	1	1	-	-
Dr. A. Vithya Vijayalakshmi	3	5	-	8	9
Mrs.A.Jenitta Jebamalar	-	1	-	1	1
Total	5	7	1	9	11

Name	Seminar	Training Program	Workshop	FDP
Mrs.C.Nayanthra Mascarenhas	11	1	12	8
Dr. A. Vithya Vijayalakshmi	4	-	2	3
Mrs.A.Jenitta Jebamalar	4	1	2	3
Total	14	2	16	14

MOOC

The students of I M.Sc. Computer Science (SSC) attended MooC course titled, Introduction to Internet of Things with subject code NOC22CS53 in the duration of 12 weeks (January - April 2022)

Register No.	Student	Status
21SPCS01	D. Jebaraji	Elite
21SPCS02	M.Kathija Apsana	Elite
21SPCS03	B.Mahalakshmi	Elite
21SPCS04	P.Nisha Rani	Elite
21SPCS05	U.Parameswari Bharathi	Elite
21SPCS06	R.Reshma	Elite

Student Activities

During the academic year 2023-2024, the students attended various seminars and workshops in different colleges. Here's a detailed account of their participations:

- Students from II M.Sc participated in a World Environment Day Quiz organized by Sarah Tucker College, Tirunelveli on June 05, 2021.

- Students from II M.Sc participated in One Day State Level Workshop on "Data Analyses using MS-Excel"organized by Anjuman Arts, Science, Commerce College & PG Studies in English, Vijayapur-Karnataka on June 17, 2021

- G.Mathi from II M.Sc participated in Webinar on "YOGA FOR BOOSTING IMMUNITY DURING PANDEMIC" organized by A.P.C. Mahalakshmi College for Women, Thoothukudi on June 21, 2021.

- Students from II M.Sc participated in National Level Quiz on "Computer Architecture"organized byA.V.V. M. Pushpam College, Poondi, Thanjavur on June 26, 2021.

- P. Nancy from II M.Sc participated in Three Days Online International Workshop Hands-On session on "MongoDB"organized by Patrician college of arts and science Chennai on July 15 2021 to 17 July 2021.

- Students from II M.Sc participated in State Level Webinar on "Recent Trends in IOT"organized by SadakathullahAppa College, Tirunelveli on July 19 2021.

- Students from II M.Sc participated in Blockchain technology E-Quiz organized by St.Mary's College, Thoothukudi on August 12 2021.

- Students from II M.Sc participated in 75th Independence day Quiz organized by Sarah Tucker College, Tirunelveli on August 15, 2021.

- K.Maheswari from II M.Sc participated in Talk on "Value of Life"for World Suide Prevention Day organized by St.Mary'sCollege, Thoothukudi on September 14, 2021.

- Students from II M.Sc participated in State Level Symphosium ANALYTIKHA' 21organized by St.Joseph's College(Autonomous), Thiruchirapalli.

- Students from II M.Sc participated in National level E-Quiz 2021-UGC/NTA NET Paper-1(General) organized by RamakrishnaCollege of Arts and Science(Autonomous), Coimbatore on October 22,2021.

Student Activities

- Students from II M.Sc participated in Intellectual Property Rights(IPR)-Patent and Designs Process" organized by Goa College of Engineering IPR-CELL)in association with Ragiv Gandhi National Institute of Intellectual Property Management on October 25,2021.

- Students from I M.Sc participated in National Level Quiz Competition organized by Library Committee of St.Mary's College(Autonomous),Thoothukudi on October 30,2021.

- All I & II PG CS Students participated in International Webinar on "Cloud Hosting Using AWS" organized by St.Mary's College(Autonomous),Thoothukudi on October 30,2021.

- Students from II M.Sc participated in National Level Quiz on "Anti-Cyberbullying Skills" organized by (Online)Alagappa Institute of Skill Development, Alagappa University,Karaikudi on October 30,2021.

- G.Akila from II M.Sc participated in Intellectium-2021 INQUIZZITIVE' organized by Sinhgad Institute of Technology ACM Student Chapter at Computer Engineering Department,SIT,Lonovala.on October 30,2021.

- Students from II M.Sc participated in State Level Webinar on the topic "Winniing tactics for competitive exams organized by (online)Department of physics(SSC),St.Mary's college (Autonomous),Thoothukudi on November 08,2021.

- Students from II M.Sc participated in International Webinar on "Serverless Architecture using AWS Lamda organized by (online)Department of computer science,St.Mary's college (Autonomouse),Thoothukudi on November 12,2021

- Students from II M.Sc participated in International Multi-Disciplinary E-Conference on Transforming with Changing Dimension in Industry and Education organized by Vidyalankar School of Information Technology, Mumbai December 04,2021

- Students from II M.Sc participated in Five days Intensive Online Placement Training organized by Postulate Institute of Research and Technology, Thoothukudi January 24 2022 to January 28 2022

- Students from I M.Sc participated in State Webinar on "Developing Online Repository of Ideas developed and way forward plan" organized by St.Mary's college (Autonomous),Thoothukudi on February 16,2022.

- Students from I M.Sc participated in State Level Intercollegiate Tech meet- XPASO 2K22 organized by St. Xavier's college(Autonomous), Palayamkottai on March 25,2022.

Student Paper Presentation & Publication

S.No	Student Name	Conference	Organized by	Date	Paper Title	Details
1	D. Antony Jenitta Mary B. Kirthiga B. Santhanalakshmi	Virtual National Conference on Advanced Technology in Intelligent Computing Systems	JP College of Engineering, Tenkasi	11.11.2021	Python for Data Science – A Study	-
2	R. Ramya M. Lisanthini G. Mathi H. Sathya Bala	International Virtual Conference on Recent Trends in Computer Science, Commerce & Management	S.S.T College of Arts & Commerce, Ulhasnagar	12.11.2021 & 13.11.2021	A review on Fog Computing: Concepts, Applications and Issues	ISBN: 978-81-953432-7-0
3	J. Jumana Takcina Banu K. Sangeetha P.Radha	International Multi-Disciplinary E-Conference on Transforming with Changing Dimension in Industry and Education	Vidyalankar School of Information Technology, Mumbai	04.12.2021	A Review on Security and Privacy Issues in Big Data	ISBN: 978-93-5578-2007
4	M.Karimunisha P.Nancy N.Iswarya Lakshmi	International Multi-Disciplinary E-Conference on Transforming with Changing Dimension in Industry and Education	Vidyalankar School of Information Technology, Mumbai	04.12.2021	A Study of Cyber Security Challenges	ISBN: 978-93-5578-2007
5	J.Piramanayaki K. Annie Apsara K.Maheswari	International Conference on Emerging Trends in Materials Computing and Communication Technologies	Annai Vailankanni College of Engineering, Pottalkulam	09.12.2021 & 10.12.2021	Challenges and Applications in Data Science – A Study	ISSN:2395-1990

Student Paper Presentation & Publication

S.No	Student Name	Conference	Organized by	Date	Paper Title	Details
6	G.Akila G.SahayaNaveetha J.Praveena	International Conference on Emerging Trends in Materials Computing and Communication Technologies	Annai Vailankanni College of Engineering, Pottalkulam	09.12.2021 & 10.12.2021	A Review on Cloud Computing Issues and Challenges	ISSN:2395-1990
7	S. Santhiya L. Briskilla J. Amirtha	International Conference on Recent Trends in Computing and Information Technology	Sarah Tucker College Autonomous Tirunelveli	11.02.2022 & 12.02.2022	A Review on Cyber Risks in Internet of Things	ISBN: 979-8-88525-143-3

Mentor Mentee System

The system is a move towards Student Support and Progression. It purports to achieve holistic development of every student in the department. A teacher has a group of students whose academic and other aspects of their progress are her concern. The teacher takes care to concentrate more on issues related to their psychological needs during periodical Tutor- Ward Meet each Friday from 2.30 p.m. to 4.00 p.m. A record of academic results and bio-data of each of the students is maintained.

Semester	Date
ODD	16.09.2021
EVEN	06.01.2022
	27.01.2022
	11.02.2022
	18.02.2022
	25.02.2022
	11.03.2022
	25.03.2022
	01.04.2022
	22.04.2022
	29.04.2022

Higher Education

- J. Amirtha pursues her B.Ed. in Annamal College of Education for women, Thoothukudi.
- K. Annie Apsara pursues her B.Ed. in Rajas College of Education, Tirunelveli.

Project & Internship

Register No	Student Name	Project Title	Internship Company Details
20SPCS01	G.Akila	Chroic Care Management	TekSpear Solutions,Thoothukudi
20SPCS02	J.Amirtha	Disease Diagnosis system	ACME Infotek, Tirunelveli
20SPCS03	K.Annie Apsara	Food Waste Management	ACME Infotek, Tirunelveli
20SPCS04	D.Antony Jenitta Mary	Child Safety App	ACME Infotek, Tirunelveli
20SPCS05	L.Briskilla	Farmer Equipment Tracking App	ACME Infotek, Tirunelveli
20SPCS06	N.Iswarya Lakshmi	Patient care Plan	TekSpear Solutions, Thoothukudi
20SPCS07	J.Jumana Takcina Banu	Vehicle Loan and Rto Service System	Postulate,Thoothukudi
20SPCS08	M.Karimunisha	Annual Wellnes Visit	TekSpear Solutions, Thoothukudi
20SPCS09	B.Kirthiga	Apartment Visitor Management App	ACME Infotek, Tirunelveli
20SPCS10	M.Lisanthini	A Novel Deep Learning Approach for Malware Classification	Postulate,Thoothukudi
20SPCS11	K.Maheswari	Remote Patient Monitoring	TekSpear Solutions, Thoothukudi
20SPCS12	G.Mathi	Gold Loan Processing System Application	Postulate,Thoothukudi
20SPCS13	P.Nancy	Internet of Things Hub	TekSpear Solutions, Thoothukudi
20SPCS14	J.piramanayaki	College Selection App	ACME Infotek, Tirunelveli
20SPCS15	J.Praveena	Speed Determination of Vehicle using Image Level Features	Postulate,Thoothukudi
20SPCS16	P.Radha	Online Exam Surveillance using Image Processing	Postulate,Thoothukudi
20SPCS17	R.Ramya	Gift Determination System	Postulate,Thoothukudi
20SPCS18	G.Sahaya Naveetha	Facial Expression Recognitions using Fast Frequency Neural Network	Postulate,Thoothukudi
20SPCS19	K.Sangeetha	Eye Detection Mobile	Postulate,Thoothukudi
20SPCS20	B.Santhanalakshmi	Crude Oil Price Prediction	Postulate,Thoothukudi
20SPCS21	S.santhiya	Safe campus Management	Digisailor,Thoothukudi
20SPCS22	H.Sathya Bala	Crop Yield Prediction using Deep Reinforcement Learning	Postulate,Thoothukudi

Computer Laboratory

The computer lab is equipped with 17 high-performance computers, each pre-installed with a variety of essential and specialized software to support diverse tasks such as word processing, programming, and graphic design. A centrally located printer ensures users can quickly produce physical copies of their work. To maintain a comfortable and productive environment, the lab is outfitted with three air conditioning units for efficient climate control. This well-maintained facility caters to students and professionals, fostering an ideal setting for learning and innovation.

MoU

The PG Computer Science Department has signed a significant Memorandum of Understanding (MoU) with companies Postulate Info Tech, Thoothukudi, Rasla Thoothukudi and Digisailor, Thoothukudi for 3 years. This partnership enhances industry-academia collaboration by utilizing the expertise of these companies for conducting seminars and workshops that keep students updated with the latest technological advancements. Furthermore, students benefit immensely as they are provided opportunities to undertake major projects and internships with these organizations.

Board of Studies

The Board of Studies Meeting of the Department of Computer Science was conducted on 26.02.2022 in the Computer Science Lab. The subject experts of the board were Dr. Grasha Jacob, Associate Professor and Head, Department of Computer Science, Rani Anna Government College for Women, Tirunelveli, Dr. G. Muthulakshmi, Assistant Professor, Department of Computer Science and Engineering, Manonmaniam Sundaranar University, Tirunelveli, J. Arockia Jeyanthi, Assistant Professor, A .P .C .Mahalaxmi College for Women, Thoothukudi, Mr .C. Saravanan, CEO of Tekspear Solutions, Thoothukudi. The Syllabus was designed in the pattern of Outcome Based Education with Choice Based Credit System. The board acknowledged and approved the set pattern.

PTA & Alumnae Meet

The Parents Teachers Association conducted meetings regularly for all the parents and students of the department. The meetings were held respectively II M.Sc. on 26.03.2022 and for I M.Sc. on 07.05.2022. The Marian Alumnae Meet was organised on 23. 04. 2023. The Principal and the President of OSA Rev. Sr. Dr. A. S. J. Lucia Rose presided over the meeting. Mrs. Thenmathi Dhanushkodi Administrator Thenmani Hospital Thoothukudi was invited as the Chief Guest.

Institution's Innovation Council

The Department of Computer Science both UG and PG and Institution's Innovation Cell of St.Mary's College (Autonomous) jointly organised a webinar on "Developing Online Repository of Ideas Developed on the way forward plan" on 16-Feb-2022 via Microsoft Teams platform. Mrs.J.Aarthy Suganthi Kani, Assistant Professor, Department of ECE, T. John Institute of Technology, Bengaluru was the Resource person.

Pass Percentage

The students of PG Computer Science (SSC) have achieved a remarkable 100% pass rate in their final exams, reflecting their dedication and the unwavering support of our faculty

Placement

S.No	Student Name	Company Details	Designation	Package Received
1	L. Briskilla	Villavarayar & Son, Thoothukudi	Export Documentation	Rs. 8500
2	M. Karimunisha	Secure Tracking Solution Private Limited, Thanjavur	-	Rs. 6000
3	J. Piramanayaki	Innovative Work Solutions, Tirunelveli	Trainee	Rs. 11000
4	B.Kirthiga	M.S.Solutions, Toovipuram, Thoothukudi.	-	Rs. 10000
5	G.Mathi	Buzzi 5 Market Next, Thoothukudi	Engagement Engineer	Rs. 10000
6	M. Lisanthini	Buzzi 5 Market Next, Thoothukudi	Brand Buzz Builder	Rs. 10000
7	R. Ramya	Buzzi 5 Market Next, Thoothukudi	Content Sensei	Rs. 10000
8	K. Sangeetha	Buzzi 5 Market Next, Thoothukudi	Branding Creator	Rs. 10000