St.Mary's College (Autonomous)
Re-accredited with 'A+' by NAAC(4th cycle)
Thoothukudi-628001,Tamilnadu
NEWSLETTER 2023-2024

UG Department of Computer Sience

HOD'S MESSAGE

Dear Students, Faculty, and Readers,
I am delighted to connect with you through this edition of our newsletter. As we continue our journey of academic excellence and innovation, I take pride in sharing the milestones achieved by our department and the aspirations that drive us forward.

The past quarter has been particularly inspiring, with our students excelling in various academic, cultural, and technical endeavors. From securing top positions in competitions to undertaking groundbreaking projects, their accomplishments reflect the dedication and creativity that define our community.

Our faculty members, too, have been instrumental in fostering an environment of research and learning, contributing to scholarly publications and participating in conferences that keep our department at the forefront of knowledge and practice.

Looking ahead, we aim to further enhance our curriculum, integrate cutting-edge technologies, and provide opportunities that prepare our students to meet global challenges. I encourage everyone to actively participate in the initiatives we have planned and make the most of the resources available.

Thank you for being an integral part of our journey. Together, let us continue to reach new heights.

Warm regards,
Sr.K.Reeta
Head of the Department
Computer Science

EDITORIAL TEAM

Ms. M. Jothimani
Dean & Associate Professor of Computer Science
Dr.J.Anila Maily
Associate Professor of Computer Science
Ms.S.Gnanathangam
Associate Professor of Computer Science
Ms.Andrews Felcita
Assistant Professor of Computer Science

DEPARTMENT ACTIVITIES

The UG Department of Computer Science unfurled its activities for the year 2023-2024 with renewed spirit and vigour The Department of Computer Science, along with the Department of Psychology and IQAC,organized an Inter departmental Rangoli and Slogan writing competition on 11.7.2023 at the Fatima Hall from 11.30 a.m. to 12.30 p.m.
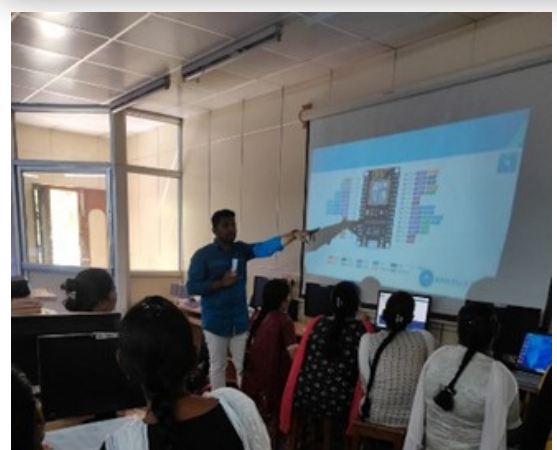
On 14th July2023 on the topic 'Latest Trends in Cyber Security' at 11:30 a.m. in Star Hall. Mr.E.Vinoth was the resource person.

On 15th July2023 on the topic 'Cyber Security' at 10 a.m. in Star Hall.Jerald Moulin was the resource person.

The Workshop on "Internet of Things" was organised by the department of Computer Science on 2nd August 2023.
The Resource person is Mr. Avudaiyappan, Head of Marcello Tech, and the trainers are Mr. S. Selvakumar and Mr. T. Ramkumar, Project Managers of Marcello Tech, Trichy.

The Department Computer Science organized an eight days workshop on "Enhance Digital Skills for Supportive Staff" in the Valan Computer Lab from 4th September to 13 th September, 2023.

On August 9th, 2023, the Department of Computer Science organized an internship on Full Stack Development. The resource person for the event was Mr. Avudaiyappan, the Head of Marcello Tech in Trichy.
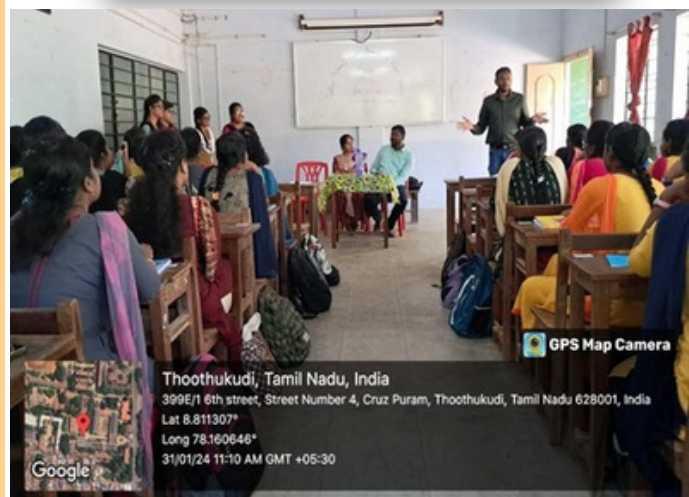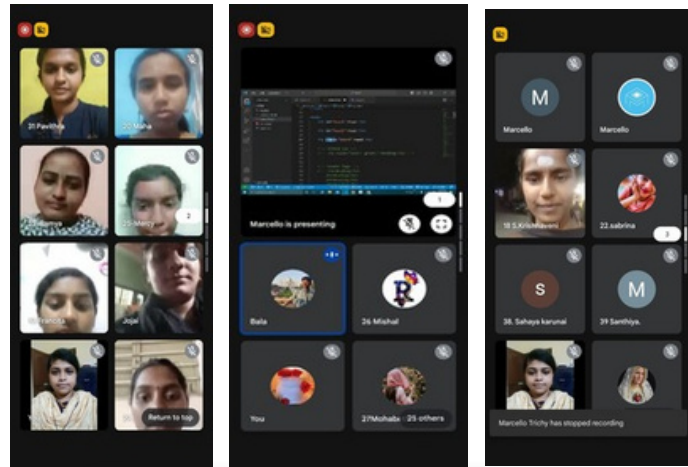

On December 13th, 2023, on the topic of 'Career Path Exploration', with A. G. Sharanya as the resource person .

The Department of Computer Science organized a Career Guidance session titled "Exploring Women's Career Opportunities" on January 31, 2024. The resource persons were Leon R. Marshall, Abirami, and D. Yuvaraj.

On February 19, 2024, a seminar on the topic of 'Big Data Analytics'. The resource person for the event was Dr. H. Benjamin Fredrick David.

On March 5th, 2024, the Department of Computer Science in Collaboration with ICT Academy, Tamilnadu organized a power seminar on the topic of 'Augmented Reality'. The seminar was conducted by Rahul Kumar
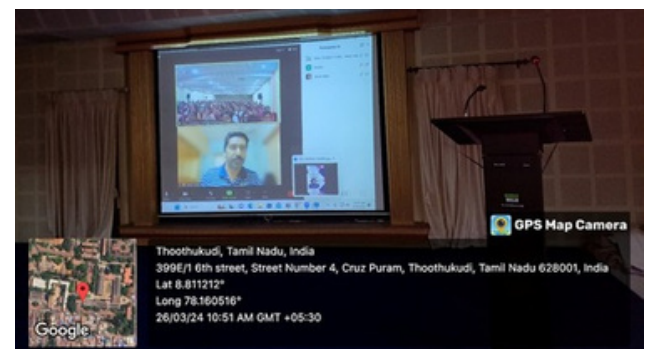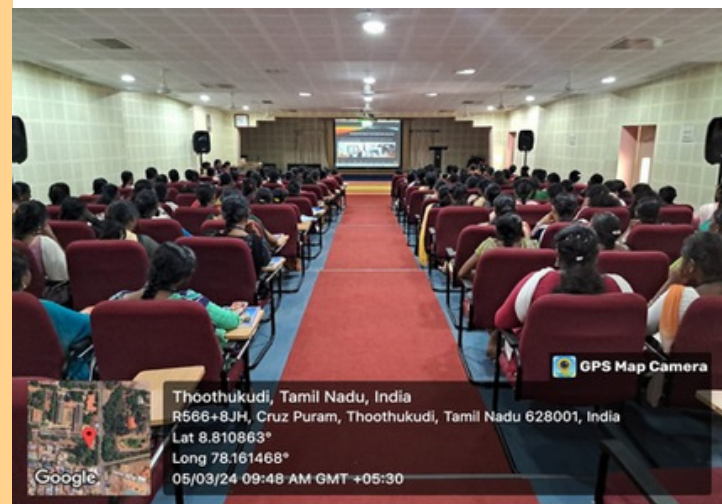

On March 5th, 2024, the Department of Computer Science in Collaboration with ICT Academy,Tamilnadu organized a power seminar on the topic of 'Augmented Reality'.

On March 7th, 2024, the Department of ComputerScience organized a motivational talk for the second year students, on the topic "Dare to Dream, Strive to Achieve: Your Entrepreneurial Journey Awaits," and it was delivered by Ms. Judy Mayer.

The Department of Computer Science organized an insightful International webinar on the topic of Text Mining on March 26, 2024, held at the Conference Hall.Mr. Xavier Babu, Senior Director at Publicis-Epsilon and Adjunct Faculty at Northeastern and UMASS Lowell, US, graciously served as the resource person for the event.

The Department of Computer Science organized a virtual power seminar on the topic of "Blockchain" on the 27th March 2024 Ms.Archana G , a distinguished expert in the field, served as the resource person for the event.

Lab Activities

Course Name	No.of. Activities
C programming Lab	12
Office Automation Lab	12
C++ programming Lab	13
MultiMedia Lab	10
Java Lab	12
Data Structure Lab	09
Programming with PHP my SQL	13
Web Desinging	10
Python Programming	13
.Net Programming Lab	8

Mentor Mentee

Semester	Date
ODD	01.07.2023
	15.07.2023
	26.08.2023
	02.09.2023
	03.09.2023
	30.09.2023
	14.10.2023
EVEN	01.12.2023
	08.12.2023
	05.01.2024
	19.01.2024
	16.02.2024
	08.03.2024
	05.04.2024

Certificate Course:

Image Editing and Enhancing was offered to the III B.Sc Computer Science students. Mrs.Andrew Felcita was the instructor , a total of 30 hours were completed and 48 students were benefitted out of this program.

Course Module:
Unit I-Overview of Image Editing: What is the difference between Raster graphics & Vector Graphics-Starting a new Project-Interface Overview-Menu & Palette-Tool Box-Saving and printing objects.
Unit II-Introduction to Layers and layer styles: Create New Layer-Layer visibility - Layer Locking Options - Layer Blending Mode - Fill - Opacity - Layer Lock - Layer Options Menu - Layer style(add shadows, glows, and 3-D appearances)
Selection Tools: Path Selection-Select with Color range commands- Invert a selection-Grow a selection-Create slice.
Unit III-Painting and Drawing with Color & shapes: Add splashes, streaks, or solid areas of color to your image-add almost any color or texture imaginable-tools to choose your colors-Solid shape-custom shape-Straight line-Shape with a pen -Edit a shape.
Unit IV-Text Editing and Alignment: How to Type-change formatting-change color-text warp-create a custom watermark.
Unit V-Adjusting Lighting and Colors: Change Brightness and Contrast-Using the Dodge and burn tools-Using the Blur and Sharpen Tools-Adjust Levels & Curves-Adjust Hue and Saturation-Using the sponge tool-A-Adjust Color Balance-Mastch Colors between Images-Correct Shadows and Highlights-Create a Duotone-Convert to Black and White-Adjust Vibrance.

Objectives :
- Identify elements of the Photoshop CS6 user interface and demonstrate knowledge of their functions.
- Demonstrate knowledge of layers and masks.
- Demonstrate knowledge of importing,exporting,organizing, and saving.
- Demonstrate knowledge of producing and reusing images.

Course Outcome :
- Work with image editing and graphic design features.
- Use the basic tools found in Adobe Photoshop™ to create and edit images.
- Learn how to optimize images and save images in proper file formats.
- Use basic Photoshop skills and concepts to develop effective graphics for both web and print media.

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Department of Computer Science

Offers

Career Oriented Course
On
Image Editing
&
Enhancing

For the Academic Year
2023-2024
Duration : 30 hours

Instructor: Ms. S. Andrews Felcita
(Assistant Professor)

CDP

The CDP visit to Siluvaipatty on 24.08.2023, from III B.Sc Computer Science organized a event on Impact of Social Media in Siluvaipatty under the guidance of Ms.S.Gnanathangam ,Sr.K.Reetha. The childrens were actively participated in the event. The CDP visit to Siluvaipatty on 01.12.2023, from III B.Sc Computer Science organized a programme on Visual Storytelling in PowerPoint under the guidance of Ms.Andrews Felicita. The childrens were actively participated in the event The CDP visit to Siluvaipatty on 20.01.2024, from II B.Sc Computer Science organized a programme on Share Care Empower-Our Hamlet under the guidance of Department Staffs. The CDP visit to Siluvaipatty on 15.02.2024, from II B.Sc Computer Science organized a programme on Digital Dialogue Empowering Minds through Computer Communication under the guidance of Dr. Anila Maily,Sr. K. Reetha

GALLERY OF EVENTS

Thoothukudi, Tamil Nadu, India
5/1159, Om Sakthi Nagar, Thalamuthu Nagar, Thoothukudi, Tamil Nadu
628002, India
Lat 8.840873°
Long 78.157415°
15/08/22 11:16 AM

STUDENT ACTIVITIES

During the academic year 2023-2024, the students demonstrated exceptional performance across various co-curricular, extracurricular and sports competitions and events at different levels. Here's a detailed account of their achievements:

Jothi Selvi.P from III Bsc Computer Science participated in a Slogan Writing,World Millets Day and won a II Prize which is organized by the Computer Science and Psychology along with IQAC, St. Mary's College(A), Thoothukudi on July 11, 2023.

Ibrahim Mohshina.M from III Bsc Computer Science participated in a Poster Making,World Millets Day and won a II Prize which is organized by School of Physical Science along with IQAC, St. Mary's College(A), Thoothukudi on August 8, 2023.

Packia Sangeetha.A from I Bsc Computer Science participated in a Singing Competition and won a III Prize which is organized by Talenzia St. Mary's College(A), Thoothukudi on July 18, 2023.

Maria Angel Martin.A from I Bsc Computer Science participated in a Tamil Elocution Competition and won a II Prize which is organized by Talenzia St. Mary's College(A), Thoothukudi on July 18, 2023.

Anisha.M from I Bsc Computer Science won the I & III Prize in Singing and Dance competition which is organized by Tenzia St. Mary's College(A), Thoothukudi on July 18, 2023.

Soundharya.S from III Bsc Computer Science completed a Inernship on Digital Marketing on 01.09.2023-24.01.2024.

STUDENT ACTIVITIES

Sharmila Devi.M from I Bsc Computer Science participated in a Ms office Course organized by The Good Samaritans Computer Training Centre, Briyant Nagar August 16, 2023.

Jothi Selvi.P and Sivaranjani.S from III Bsc Computer Science participated in a Paper Presentation on the topic "IOT" and Won a II prize organized by ICAPO - Techno Talk, St. Xavier's College, Palayamkottai on September 15, 2023.

Maria Rishaline.F and Mahizha Hesheni.S from II Bsc Computer Science participated in Debugging Competitionon September 15, 2023.

Preethika.S and Chidambara Sundari.A from II Bsc Computer Science participated in Quiz Competitionon September 15, 2023.

Jothi Selvi.P and Sivaranjani.S from III Bsc Computer Science participated in a Paper Presentation on the topic "IOT" and won the I prize,Abitha.S,Cathrine Vincelent.J,Durga Devi.S and Ibrahim Mohshina.M from III Bsc Computer Science and Keerthana.V from I Bsc Computer Science participated in a Whimsy(As you like it), organized by SPARK'23 Don Bosco College ,Kavya.M and Ramya.B from III Bsc Computer Science participated in Quiz competition,Nisha.M and Nandhini.M from III Bsc Computer Science participated in a Art from E-waste , Keela Eral,Thoothukudi on September 21,2023.
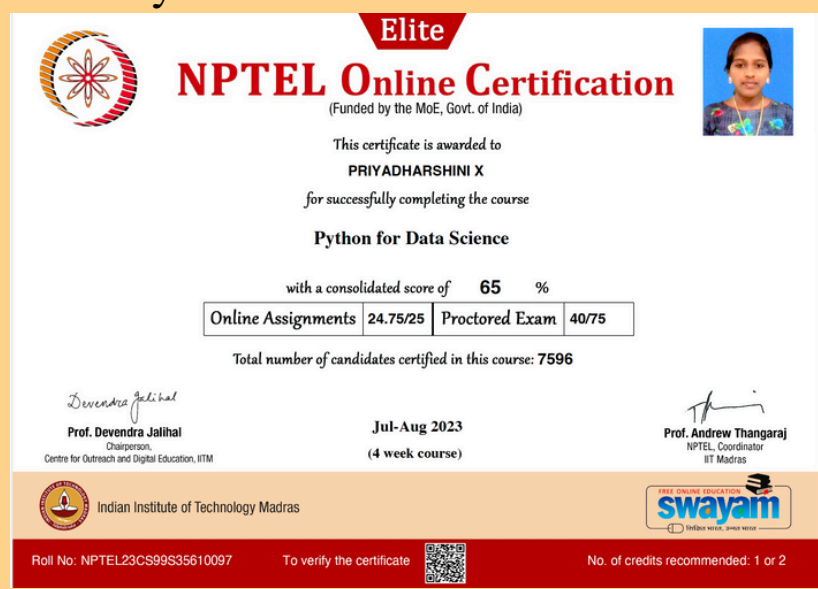
STUDENT ACTIVITIES

Subhiksha.P and Kopica.VK from II Bsc Computer Science participated in a Quiz Competition Organized by NLC Tamilnadu Power Limited,Tuticorin On December 14 2023- January 1 2024.

Aayisha Afrin.M.A ,Durga Devi.S,Francita V Rayen.M,Glarinda Nesam.J and Maria Irudhaya Hebha.C from III Bsc Computer Science participated a IOT Based Workshop Organized by Aditanar College of Arts &Science,virapandianpatnam,Tiruchendur on January 06, 2024.

Durga Devi.S and Glarinda Nesam.J from III Bsc Computer Science participated in a Debugging Competition and Won a II prize which is organized by DAWN'S SIM'24 Francis Xavier Engineering College, Vannarpettai, Tirunelveli-627003 on Febraury 06, 2023.

Mohabeth Nisha.M from III Bsc Computer Science participated in a Poster Making Competition and won a II prize which is organized by Initiate and Ignite Reading Habits Dept. of Library St.Mary's College(Autonomous) Thoothukludi on Febraury 22, 2023.

Dharshini.X from II Bsc Computer Science completed a NPTEL Online Certification Course on Python for Data Science course.

MOU & BOS

This Memorandum of Understanding entered into as of the 02.06.2023, between the Denartment of Computer Science of St. Mary's College affiliated to Manonmaniam Sundaranar University, Trirunelveli and Marcello Tech, No-3,Ground Floor, GemPlaza, Sankaranpillai Koad, Tiruchirappalli -620 002. Recognizing the need to cultivate an industry and institution interaction, value addition and perpetual need to keep abreast within latest development in the fields of MATLAB, Android, JAVA, Full Stack Development, DevOps, Machine Learning, Artificial Intelligence, loT, Robotics, C, C++, and Cloud Computing the parties have agreed to enter into MoU.

The Board of Studies Meeting of the Department of Computer Science was conducted on 24.04.2023 at 10:00 am in the department of Computer Science.
No. of Members Present
External Members : 4
Internal Members : 7

PH.D AWARDEE

Dr.Anila Maily, Assistant Professor of Computer Science was awarded her Phd on 22.07.2023, she defended her Thesis titled "Optimization of Classification for BCT Motor Imagery EEG Data"

PTA PHOTO GALLERY

I BSC CS
06.02.2024

II BSC CS
21.01.2024

III BSC CS
15.12.2023

INDUSTRIAL VISIT

The final-year students of the Department of Computer Science, accompanied by two staff members, went on an industrial visit to ITC FCIL in Bangalore on 28.01.2024. The visit aimed to provide the students with real-world exposure to the operations of a leading company in the industry. Upon arrival, the group was warmly welcomed by Mr. Vivek, the HR of ITC FCIL. He provided an overview of the company's history, values, and mission, setting the stage for an engaging and enriching experience. Mr. Raj, the Product Manager, delivered a comprehensive presentation on ITC FCIL's products and services. This session offered insights into the innovative solutions the company provides and how technology plays a pivotal role in its offerings. After the presentation, the Product Manager guided the group through a tour of the manufacturing plant. The details of biscuit production were explained at different stages, elucidating the application of technology in optimizing processes. This experience gave the students valuable exposure to the integration of automation and computer science principles in the manufacturing industry. Additionally, the students visited the Planetarium where they learnt about different aspects of Earth and Space.

III UG PROJECTS & PASS %

A total of 46 under graduate students of III B.Sc. Computer Science submitted about **10 group projects** that help students to develop skills specific to collaborative efforts, allowingstudents to tackle more complex problems , share diverse perspectives and delegate roles and responsibilities.

A combination of strategic planning, tailored instructional methods, and comprehensive support systems from the department staff members has made our students to achieve **100% pass percentage**.

HIGHER EDUCATION / PLACEMENT

23 of our students are improving academically to acquire valuable experiences for learning and **3** of our students are successfully placed in employment following the completion of their program as reported to the applicable accreditors.