Maris Stella College, Autonomous, Vijayawada - 08
Department of Computer Science
Departmental Activities: 2023-24

Names of Courses offered:

- B. Sc. - Computer Science – Major
- B. Sc. - Computer Science – Minor
- B.Com – CA   (Computer Applications)
- As a part of SECs,
    - Semester II - 'Digital Literacy' is offered,
    - Semester III - 'Information and Communication Technology' and 'Data Analysis' are offered, and
    - Semester IV – 'Cyber Security' is offered.

Faculty Details: (2023 – 2024)

S.No	Name of the faculty	Qualification	Designation	Years of experience
1.	Ms. E. Grace Lydia	M.C.A	Lecturer, HoD	08
2.	Ms. P. Vidhyavathi	M.C.A	Lecturer	09
3.	Ms. P. Malathi	M.Sc. , M. Tech	Lecturer	07
4.	Ms. Sr. Sujitha	M.C.A	Lecturer	02

Activities during the academic year-2023-2024

- The Inspired club of the Department of Computer Science successfully organized a series of events on 01-08-202 to celebrate World Wide Web Day. The main objective of the World Wide Web day is to transform the way we live, learn and communicate. The events that were conducted are:
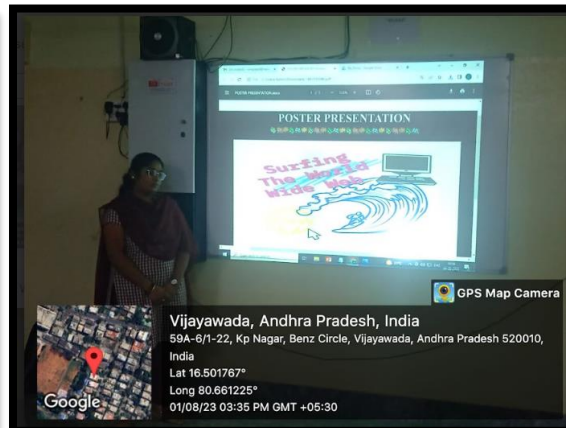
S. No	Event Title
1	Just-a-Minute (JAM)
2	Quiz
3	E - Poster Presentation

The "Just-a-Minute (JAM)" event took center stage, captivating the audience with its insightful presentations. A select group of students participated in the event.
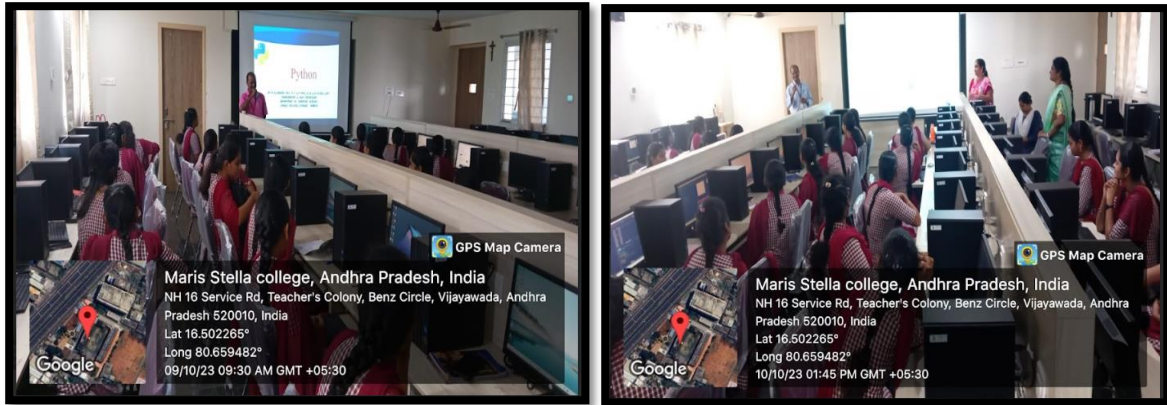

Students participation in JAM

Following this, an intellectually stimulating Quiz event ensued, featuring teams of three. The Quiz spanned four riveting rounds, testing participants' knowledge and quick thinking. The academic fervor continued with the E-Poster presentation, where these students skillfully presented their meticulously designed posters, providing comprehensive explanations that underscored their subject matter.

Students participation in Quiz and Poster Presentation

- The Department of Computer Science successfully organized a two-day workshop on 09-10-2023 and 10-10-2023.The main objective for this two-day workshop is to learn more about the "Python for Data Science" and have hands on experience. The workshop commenced with a soulful prayer song, setting a harmonious tone. Taking the reins as the guide, Dr. M. D. Anandharaj, a distinguished Professor from Loyola College, Chennai, Department of Computer Science.

Students participated in 2-day workshop by Dr. MD. Anandaraj

Practical aspects took center stage as Dr. Anandharaj guided the students through the installation process of Python IDLE, ensuring everyone was ready to embark on their coding journey. Delving into the core elements of Python, he covered an array, including variables, data types, operators, and diverse data structures like lists, tuples, sets, and dictionaries. The intricacies of file handling were also unravelled, offering students a holistic understanding of Python's capabilities.

- The Department of Computer Science executed a triumphant three-day conference spanning from February 27th to February 29th, 2024. The event commenced with an inaugural program featuring Prof. G. Gnana Mani, Vice Chancellor of Krishna University, as the esteemed chief guest. Ms. E. Grace Lydia, Head of the Department of Computer Science, delivered the opening remarks, followed by blessings from Dr. Sr. Kulrekha Mudhartha, Acting Principal. Dr. Sr. Leena Quadras, the correspondent, then shared her insightful message, followed by guest of honor messages from Dr. Thyagarajan, Assistant Professor, Central University of Tamil Nadu, Thiruvarur, Tamil Nadu, and Dr. C. Balakrishnan, Associate Professor at Christ University, Yeswanthpur Campus, Bengaluru. The keynote address was delivered by Prof. G. Gnana Mani, Vice Chancellor of Krishna University. At the culmination of the inaugural session, the conference proceedings book was unveiled just before the commencement of the felicitation ceremony. The event unfolded seamlessly, featuring a rich program of two technical sessions and two plenary sessions each day. Throughout the conference, six distinguished speakers delivered engaging presentations on their respective topics to an attentive audience comprising participants and students.

Conference proceedings was unveiled at the time of inaugural on 27-02-2024 by the chief guest.

The program concluded with the valedictory session, graced by Dr. Sr. Kulrekha Mudartha, Principal I/C, and Dr. Sr. Leena Quadras. Dr. R. Vijaya Kumari, Principal (I/C) of Krishna University College of Engineering and Technology, Krishna University, Dr. P. Joshua Reginald, Associate Professor from the Department of ECE at Vignans Foundation for Science Technology and Research Deemed to be University, Vadlamudi, and Dr. M. D. Anandraj, Coordinator & Assistant Professor from the Department of Computer Science at Loyola College, Chennai, were honored guests. Below are the paper clippings:

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Paper Clippings from Neti Praja Vartha and AndhraJyothi

Workshop Organized by Faculty:

- Ms. E. Grace Lydia, Ms. P. Vidhyavathi, Ms. P. Malathi and Sr. Sujitha, Department of Computer Science had organized 2-day workshop titled "Python for Data Science: Data Enrichment with Pandas, NumPy and IPython" on 09-10-2023 & 10-10-2023 for II B. Com – CMP students.

National Conference Organized by Faculty:

- Ms. E. Grace Lydia, Ms. P. Vidhyavathi,Ms. P. Malathi and Sr. Sujitha,, Department of Computer Science had organized 3-day National Conference in collaboration with Krishna University on " Recent Research Advancements in Computational Sciences" on 27-02-2024, 28-02-2024 & 29-02-2024.

Faculty participation:

FDP:

- Ms. E. Grace Lydia, Ms. P. Vidhyavathi and Ms. P. Malathi has participated in the one week National Level FDP on Cloud Infrastructure (AWS), organized by St. Anns College for Women , Telangana in collaboration with BrainoVision Solutions India PVT Ltd and All India Council for Technical Education (AICTE) from 21st to 25th August, 2023.
- Ms. P. Malathi, has participated 5 Day FDP on "Microsoft Azure AI Engineer Associate" conducted by ICT Academy on 28th August to 1st September, 2023 at P B Siddhartha College of Arts & Science.

Workshop:

- Ms. E. Grace Lydia, Ms. P. Vidhyavathi and Ms. P. Malathi has participated in the FDP: Three-day National Workshop on 'The AI Educator's Toolkit: Enhancing Learning & Advancing Research' organised by the IQAC from 21st Nov. to 23rd Nov. 2023.
- Ms. E. Grace Lydia, Ms. P. Vidhyavathi and Ms. P. Malathi participated in the Two-day Capacity-Building Workshop on 'Andrew Furco's Self-Assessment Rubric for the Institutionalization of Service-Learning in Higher Education' organised by the IQAC and sponsored by the United Board from 4th Dec. to 5th Dec. 2023.
- Ms. E. Grace Lydia, Ms. P. Vidhyavathi and Ms. P. Malathi has participated in one-day workshop on 'Research Insights & Publication' on 22 Feb. 2024 organised by Research & Ethics Committee in association with IQAC.

Seminar/ Webinar:

- Ms. E. Grace Lydia, Ms. P. Vidhyavathi and Ms. P. Malathi has participated in one-day International Webinar on Promoting IPR Culture in Higher Educational Institutes

organized by Department of Biotechnology & Food Science in association with IPR CELL IQAC on 9th February 2024.

- Ms. E. Grace Lydia, Ms. P. Vidhyavathi and Ms. P. Malathi has participated in One Day National Seminar on "Unleashing the Power of Intellectual Property in the Digital Era", 20 February 2024 by PG Department of Business Administration.

Research Publications:

- Ms. E. Grace Lydia, Ms. P. Vidhyavathi and Ms. P. Malathi has participated and published a paper on "A Study on Impact on Social Media Addiction of Students" with ISBN:978-81-958673-8-7, Page No:100, Vol 6 at National Conference on "Emerging Trends in Computational Sciences & Technology-2023, held on 29th to 30th September 2023 organised by Department of Computer Science, KBN College.

- Ms. P. Vidhyavathi, Ms. E. Grace Lydia and Ms. P. Malathi has participated and published an abstract on "ChatGPT: A Review on Applications, Key Challenges, Limitations and Future Scope" with ISBN:978-81-970660-3-0, Page No:57 at National Conference on "Recent Research Advancements in Computational Sciences – NCRRACS -2024, held on 27th to 29th February 2024 organised by Department of Computer Science, Maris Stella College.

- Ms. P. Malathi , Ms. E. Grace Lydia and Ms. P. Vidhyavathi and has participated and published a paper on "Synergistic Approaches in Social Network Mining and Web Mining for Richer Data Comprehension" with ISBN:978-81-970660-3-0, Page No:182 at National Conference on "Recent Research Advancements in Computational Sciences – NCRRACS -2024, held on 27th to 29th February 2024 organised by Department of Computer Science, Maris Stella College.

- Sr. Sujitha, participated and published an abstract on "Applications of Artificial Intelligence in the Fields of Agriculture and Sustainable Development for the Livelihood of Farmers" with ISBN:978-81-970660-3-0, Page No:106 at National Conference on "Recent Research Advancements in Computational Sciences – NCRRACS -2024, held on 27th to 29th February 2024 organised by Department of Computer Science, Maris Stella College.

- Ms. P. Vidhyavathi, published a paper on "Precision Heart and Artery Disease Prediction Via Fusion of Machine Learning Algorithms and Turf-L1 Regularizations Technique" in the Scopus journal, International Journal of Intelligent Systems and Applications in Engineering IJISAE, Mar, 2024, Vol 12, No:3, Page no:473–479.
  https://ijisae.org/index.php/IJISAE/article/view/5277
  https://doi.org/10.1109/ACCESS.2019.2895230