Maris Stella College (Autonomous), Vijayawada

Name: Ms. P. Vidhyavathi

Educational Qualification: M.C.A., M.Tech.

Designation: Assistant Professor

Years of experience: 12

Maris Stella College: 12

Other Institutions: Nil

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Languages Known: English, Telugu and Hindi.

Areas of Interest: Database Management Systems, Operating Systems, Data Structures, Flash Animations, MS-Office, Programming Languages, Object Oriented Software Engineering, WordPress.

Academic Contribution:

1. Maintenance of ERP - Attendance Module (2018 - 2026).
2. APSSDC Coordinator (2020 - 2025).
3. Attendance committee member (2016 - 2018).
4. Discipline committee member (2019 - 2023).

Academic Profile:

Year of passing	Qualification	Specialization	University	Percentage
2008	Graduation	B.A - MES	A N U	69
2011	Post-Graduation	M.C.A	JNTUK	80
2026	Post-Graduation	M.Tech	JNTUK	80

Refresher Courses/Orientation Courses/Short Term Courses Attended: -Nil

Research Publications:

a) **Journals: 08**

- Published a research paper entitled **'AI-Enabled Eco-Adaptive Systems for Climate Responsive and Sustainable Technologies'** in the International Journal of Scientific Research in Science and Technology (IJSRST), Volume 13, Issue 11, March & April-2026. DOI : https://doi.org/10.32628/IJSRST26131116

- Published a paper on "**Educational Impact of Service Learning on Internet Security Awareness, UPI Transaction Safety and Email Security Practices**", in Urban India – A Journal of the National Institute of Urban Affairs, Vol 44, Issue I, January – June 2024, Impact Factor: 6.7, ISSN: 0970-9045, Page no: 51-58.
- Published a Peer Reviewed Journal entitle **"Wireless Sensor Network for Current And Future Trends: A Review"** in Industrial Engineering Journal : ISSN 0970-2555 Volume : 52, Issue 5, May : 2023 UGC Care Approved, Group I, Peer Reviewed Journal with IF-6.82.
  http://www.journal-iiie-india.com/1_may_23/81_online.pdf
- Published a Peer Reviewed Journal entitle **"Exploring the Potential Of 5G Technologies: Navigating Opportunities and Challenges for Innovative Future Applications"** in Industrial Engineering Journal : ISSN 0970-2555 Volume : 52, Issue 5, May : 2023 UGC Care Approved, Group I, Peer Reviewed Journal with IF-6.82.
  http://www.journal-iiie-india.com/1_may_23/80_online.pdf
- Published a Peer Reviewed Journal entitle **"A Study on "AI In Education: Opportunities And Challenges For Personalized Learning"** in Industrial Engineering Journal : ISSN 0970-2555 Volume : 52, Issue 5, May : 2023 UGC Care Approved, Group I, Peer Reviewed Journal with IF-6.82.
  http://www.journal-iiie-india.com/1_may_23/82_online.pdf
- Published a Peer Reviewed Journal entitle **"A Novel Approach for QoS of 5G Wireless Technologies"** in Journal of Education, Rabindra Bharathi University, Vol: XXII, No.: 12(II), 2020-2021, ISSN: 0972-7175, Page No. 187 – 189, October 2021.
- Published an UGC Research Journal entitle "**Implementation Of Interactive Computing Systems For HCI"**, in Dogo Rangsang Research Journal : ISSN 2347-7180, Vol. 08, Issue. 14, No. 02 : 2021, UGC Care Approved, Group I, Peer Reviewed, Bilingual, and Referred Journal, Page No. 595 – 601, October 2021.
  https://www.journal-dogorangsang.in/no_2_Book_21.html
- Published an International Journal entitle "**A review on Hadoop: Privacy for a Multi-Skyline Queries with Mapreduce**", in International Journal of Science Engineering and Advance Technology (IJSEAT), VOL – 5, Issue No . 10, Page No. 1004 – 1007, ISSN – 2321-6905, October 2017.
  http://www.ijseat.com/index.php/ijseat/issue/view/54

b) **Conference Proceedings: 06**

- Published a paper on **"Responsible Artificial Intelligence in Education: Integrating**

Diasporic Identity and Cultural Narratives Global Digital Ecosystem", in ICSSR-SRC Sponsored Two-Day National Conference on 'Bridging Borders, Reimagining Futures: **Diasporic Identity**, Integration and Innovation in an Era of Global Transformation' organized by The Departments of History, Tourism and Travel Management and English on 22 & 23 January- 2026. ISBN: 989-81-964603-8-9, Page no : 130-133.

- Published a paper on **"Ethical Considerations in the Deployment of AI and Surveillance"**, in ICSSR-SRC Sponsored Two-Day National Conference on 'Vision India @ 2047: Transforming Smart Cities into Sustainable Societies - A Holistic Perspective' organized by The Department of Business Administration & IQAC on 20 & 21 March- 2025. ISBN: 978-81-964603-4-1, Page no : 354-359.
- Published a paper on **"Transforming Healthcare with AI: Building Sustainable Societies for Vision India 2047"**, in ICSSR-SRC Sponsored Two-Day National Conference on Vision India @ 2047: Transforming Smart Cities into Sustainable Societies - A Holistic Perspective' organized by The Department of Business Administration & IQAC on 20 & 21 March- 2025. ISBN: 978-81-964603-4-1, Page no : 344-349.
- Published a paper on **"Smart Societies for a Sustainable Future: Leveraging Technological Innovation for India's Growth Towards 2047"**, in ICSSR-SRC Sponsored Two-Day National Conference on 'Vision India @ 2047: Transforming Smart Cities into Sustainable Societies - A Holistic Perspective' organized by The Department of Business Administration & IQAC on 20 & 21 March- 2025. ISBN: 978-81-964603-4-1, Page no : 350-353.
- Published a paper on '**Soil Moisture sensor for Irrigation based on IOT**', Proceedings of 3 – Day National Workshop on 'Physics and Technology: Modern Sensors Characteristics, Interfacing and Programming' on 7th to 9th November, 2019 with ISBN No: 978-81- 942990-6-6.

Paper Presentations: 03

- Presented and published a paper on "**Synergistic Approaches in Social Network Mining and Web Mining For Richer Data Comprehension**" in the Recent Research Advancements in Computational Sciences organized by Department of Computer Science, Maris Stella College in collaboration with Krishna University on 27th, 28th & 29th February, 2024. ISBN: 978-81-970660-3-0, Page no: 182-187.
- Presented and published a paper on "**Applications, Key Challenges, Limitations and**

Future Scope: ChatGPT" in the Recent Research Advancements in Computational Sciences organized by Department of Computer Science, Maris Stella College in collaboration with Krishna University on 27th, 28th & 29th February, 2024. ISBN: 978-81-970660-3-0, Page no: 237-239.

- Presented and published a paper on "**A study on impact of Social Media Addiction of Students**" in the National Conference on Emerging Trends in Computational Science & Technology – 2023" organized by Department of Computer Science & Applications, KBN College (Autonomous) in collaboration with Krishna University on 29th and 30th September, 2023. ISBN: 978-81-958673-8-7. Page No:100.

Scopus: 02

- Published a paper on **"An Ensemble Pre-Trained Intelligence Model for Early Detection of Colorectal Cancer"** in the Proceedings of the International Conference on AI-Driven Smart Systems and Ubiquitous Computing (ICAUC-2026),19-21 January 2026 held at Shinawatra University, Bangkok, Thailand. ISBN: 979-8-3315-5850-5. DOI: 10.1109/ICAUC68182.2026.11441243
- 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, Impact Factor: 6.7, Page no:473–479. https://ijisae.org/index.php/IJISAE/article/view/5277

Research Projects: Nil

Books Published/Chapters in Books: Nil

Research Guideship: Nil

Workshops/Seminars/Webinars/Conferences conducted/ organized:

- Organized a comprehensive two-day workshop titled "**AWS Essentials: From Cloud Basics to Website Deployment**" on 20th & 21 August ,2025.
- Organized a comprehensive two-day workshop titled **"Cybersecurity Fundamentals to Advanced Offensive & Defensive Tools"** on 02nd & 03rd September ,2025.
- Organized a three-day National level conference on "**Recent Research Advancements in Computational Sciences**" in collaboration with Krishna University on 27th, 28th & 29th February, 2024.

- Organized a comprehensive two-day workshop titled "**Python for Data Science: Data Enrichment with Pandas, NumPy, and IPython**" on October 9th and 10th, 2023.

Workshops/Seminars/Webinars/Conferences Attended:

- Attended the Capacity Building Workshop for Faculty on "**Research Techniques & Manuscript Development for Service- Learning Programmes**" held on 12th & 13th December 2024 at Maris Stella College Vijayawada, organized by the IQAC and sponsored by the United Board for Christian Higher Education, Asia.
- Attended the Capacity Building Workshop for Faculty on "**Assessment Criteria & Rubrics for Service- Learning**" held on 30th & 31st August 2024 at Maris Stella College Vijayawada, organized by the IQAC and sponsored by The United Board for Christian Higher Education, Asia.
- 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, Maris Stella College, Vijayawada.
- 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, Maris Stella College, Vijayawada. on 9th February 2024.
- Participated in one-day workshop on '**Research Insights & Publication**' on 22 Feb. 2024 organised by Research & Ethics Committee in association with IQAC, Maris Stella College, Vijayawada.
- 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, Maris Stella College, Vijayawada and sponsored by the United Board from 4th Dec. to 5th Dec. 2023.
- Participated in a FDP: Three-day online National Workshop on "**The AI Educators Toolkit: Enhancing Learning & Advancing Research"** organized by IQAC, Maris Stella College (Autonomous) on 21st, 22nd and 23rd November 2023.
- Participated in the Faculty Development Programme: Three-day Workshop on '**Learning Through Language Supportive, Interactive & Inclusive Pedagogy'** from Sept. 12 to Sept. 14, 2022 organised by the IQAC in collaboration with the US Consulate, Hyderabad.
- Participated in the United Board sponsored Phase II: Two-day Capacity Building

Workshop for Faculty on '**Research Methodology & Manuscript Writing on Service-Learning Programmes'** held during 25th & 26th April 2023 organised by the IQAC.

- Participated in the ICSSR-SRC funded Three-day Virtual National Conference on "**Towards Aatmanirbhar Bharath : Realization of a Five Trillion Dollar Economy**" held from 24th - 26th of May, 2022, organized by the Department of Economics and Internal Quality Assurance Cell (IQAC).
- Participated in a three-day National virtual conference on **'Women Empowerment: Gender, Health and Space Science**', jointly organized by the Department of Physics, and IQAC Maris Stella College, Vijayawada from 07th - 09th October, 2021.
- Participated in 3-Day National Workshop on '**Video Content Creation'** organized by IQAC Marian College Kuttikannam (Autonomous) on 15th to 17th April 2020.
- Participated in a 2-Day Workshop on '**BELBIN - Team Roles'** organized by Maris Stella College (Autonomous) on 09th to 10th March 2020.
- Participated in 3-Day National Workshop on '**Physics and Technology: Modern Sensors Characteristics, Interfacing and Programming**' sponsored by Andhra Pradesh Pollution Control Board, Vijayawada from 7th to 9th October 2019 organized by the department of Physics, Maris Stella College, Vijayawada.
- Participated in the UGC Autonomous grant supported Two Day National Workshop on "**MOOCS and its Impact in Enhancing Quality in Higher Education**" during 30th and 31st December 2017 organized by the Internal Quality Assurance Cell (IQAC), Maris Stella College, Vijayawada.
- Participated in the UGC Autonomous grant supported Two Day National Workshop on "**Data Sciences and its applications** "in collaboration with Krishna university, Machilipatnam on 15th and 16th September 2017, organized by department of Computer Science and Applications, KBN College (Autonomous), Vijayawada.
- Participated in the two-day national level workshop on "**Training of Trainers: Becoming Effective Teachers and Trainers**" organized by WEPRO, Loyola College, Chennai on April 21st and 22nd 2017.

FDPs/Training Programs Attended:

- Participated in IP Awareness/Training program under on January 29, 2025 Intellectual Property Office, India, organized by Intellectual Property Office India.
- Participated in the 15 hours of Faculty Development Programme on "**TensorFlow for Machine Learning"** (Online FDP) conducted by ICT Academy on 18th to 22nd

November, 2024.

- Participated in one-week Faculty Development Programme on "**Microsoft Azure AI Engineer Assocoate"** conducted by ICT Academy on 22nd to 26th July, 2024 at Sri Durga Malleswara Siddhartha Mahila Kalasala, Vijayawada.
- Participated in the 15 hours of Faculty Development Programme on "**Android Basics with Compose**" (Online FDP) conducted by ICT Academy on 08th to 12th July, 2024.
- 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.
- Participated in One-day National Webinar on **'Effective Implementation of NEP 2020: Role of Teachers & Institutions'** on 08.10.2022 organised by the IQAC, Maris Stella College (A), Vijayawada.
- Successful completed of One week Faculty Development Program on "**Amazon Web Services**" during the period of 22nd August 2022 to 27th August 2022 Organized by Departments of CSE & IT of Andhra Loyola Institute Of Engineering & Technology in collaboration with Brainovision Solutions India Pvt.Ltd & All India Council For Technical Education – AICTE.
- Participated in the five-day virtual Faculty Training Programme on '**Concepts and Service-Learning Models'** held from 7th to 11th February, 2022 organised by the IQAC, Maris Stella College, Vijayawada sponsored by the United Board, South Asia.
- Participated in the 12 hours of Faculty Development Programme on "**Fundamentals of AI** (Online Live FDP) conducted by ICT Academy on 13th to 17th September, 2021.
- Participated in the five-day Faculty Development Programme on "**OER and Publishing of Interactive Content Using H5P**" held from 26th to 30th July, 2021 organised by the IQAC, Maris Stella College, Vijayawada.
- Participated in a National Level One Week Faculty Development Program on "**Multi-Technology**" from 28th June 2021 to 03rd July 2021 organized by the Department of Computer Science, P B Siddhartha College of Arts & Science in association with National Youth Council of India and Brainovision Solutions India Pvt. Ltd.
- Participated in the Faculty Development Programme in Computer Science and Computer Applications on the theme of "**Design Thinking and Innovations @ 21st century Computational Skills: Artificial Intelligence, Machine Learning, Big data & Internet of Things, BlockChain Technology, Quantum Internet, Algorithms,**

GIS, Business 4.0 and Cyber Security" from 24th -28th August 2020 organized by CCE, AP, Vijayawada.

- Participated in the Faculty Development Programme on "**Mentoring**" on 08th January 2020 organized by Maris Stella College, Vijayawada.
- Participated in the Faculty Development Programme on **"IPR"** organized by Maris Stella College, during 16th November 2019.
- Participated in the Faculty Development Programme on "**Teaching as a Facilitator of Learning**" organized by Maris Stella College, Vijayawada, during 5th and 6th June 2019.
- Participated in MeitY, Govt. of India, Sponsored One-week Faculty Development Programme on "**Outcome Based Education (OBE)"** organised by the E & ICT Academy, NIT Warangal at Indian Institute of Information Technology Design and Manufacturing (IIITDM), Kurnool from 6th – 11th May, 2019.
- Participated in the Faculty Development Programme on "**Big Data Analytics through Hadoop**" organized by department of Computer Science, P.B.Siddhartha College of Arts and Science in association with "BRAINO VISION" during 3rd and 4th November 2017.
- Got trained in "**Hadoop Programming**" from 23rd August 2017 to 18th November 2017 by Mr. K. Siva Rama Krishna, Asst.Professor, Department of CSE, Andhra Loyola Institute of Engineering and Technology, Vijayawada.
- Got trained in "**Cloud Computing**" from 16th August 2017 to 21st November 2017 by Mrs. M. Mohana Deepthi, Asst.Professor, Department of CSE, Andhra Loyola Institute of Engineering and Technology, Vijayawada.

Membership in Professional Bodies: Nil

Recognition/Awards: Nil