

Name: T.SUGANYA

Designation: ASSISTANT PROFESSOR

Department: MCA

Date of Joining: 23/09/09



Email: suganya@americancollege.edu.in

Educational Qualification:

| Degree | Subject | College / University & Place | Year Completed |
|--------|---|--|----------------|
| Ph.d | Computer Science | Bharathiar University | PURSUING |
| SET | Computer Science | Bharathiar University | 2012 |
| M.Phil | Computer Science | Prist University, Tanjavor | 2011 |
| M.Sc | Computer Science & Information Technology | MKU Evening College, Madurai Kamaraj University, Madurai. | 2009 |
| HSM | Computer Science | NIIT Coimbatore Centre, Coimbatore | 1992 |
| B.Sc | Applied Sciences Computer Technology | PSG College of Technology, Bharathiar University, Coimbatore | 1991 |

Specialisation in Teaching : C, C++, JAVA, DOTNET, OPERATING SYSTEM, DATA STRUCTURES, RDBMS

Research Interests : REINFORCEMENT LEARNING

Other Work Experience:

| Designation | Institution / Company | Year - From (month/year) To (month/year) |
|-------------------------------------|-----------------------|--|
| Trainer of Trainer, Resource Person | The Hindu | Sep 2004 – Sep 2009 |
| Senior Faculty | NIIT Malaysia | May 2000 – Sep 2001 |
| Faculty | NIIT Madurai | June 1992 – May 1998 |

Administrative /Academic Position/s (held/currently holding):

| Positions held / currently holding | Year - From (month/year) To month/year) |
|--|--|
| Additional Controller – Main Campus | June'2022 – till date |
| Head of the Department – BCA – Main Campus | July' 2021 – till date |
| Head of the Department – Computer Science – Satellite Campus | June' 2019 – June' 2021 |
| Elected Member of the Senatus | June' 2019 – May '2020 |
| Joint Secretary – Ladies Club of the American College. | February' 2020 – till date |
| SWAYAM NPTEL SPOC | February' 2020 – till date |

Articles Published in National & International Journals:

| Sno | Workshop/Conference | Title | Year | Journal & ISBN , ISSN | International /National |
|------------|----------------------------|--|-------------|---------------------------------------|--------------------------------|
| 1 | Seminar | Evolution of Smarter Cloud Computing using Big Data Analytics | 2015 | NSRTWT, ISBN: 978-81-921895-3-6. | National |
| 2 | Conference | Analysis of Women Entrepreneurship inWorld Scenario | 2015 | ICWESS – 2015, ISBN 978-93-84124-33-5 | International |
| 3 | Conference | Big Data – The Concepts and Tools | 2015 | NCITAC-15, ISBN:978-81-93-02-349-5. | National |
| 4 | Conference | Internet of Things vision of the Future Internet | 2015 | J MASIV, ISSN 2454-4558 | International |
| 5 | Conference | Analyzing the Challenges and Opportunities of Women in Decision Making | 2016 | ROOTS, ISSN 2349-8684. | International |
| 6 | Conference | Cloud Computing: An Overview | 2018 | ISBN-978-93-87871-52-1 | National |
| 7 | Conference | Educational Data Mining: Review on the factors for performance Enhancement in Higher Education | 2019 | ICATN'19 | International |
| 8 | Conference | A review on Traffic Signal Control using Reinforcement Learning | 2020 | ISBN : 978-93-87865-29-7 | International |
| 9 | Journal | Deep Reinforcement Learning approach towards autonomous navigation and its challenges. | 2021 | ISSN : 0011-9342 | International |
| 10 | Conference | Q Learning approach towards autonomous navigation of robots in an Indoor Environment | 2021 | ICATN'21 | International |

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| 11 | Conference | A Q learning approach for Interior guidance of Mobile Robots using Fuzzy Dynamic Programming | 2023 | ICDT'23 | International |
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Conference/Seminar Presentations:

| Sno | Workshop | Title | Year | Institution | International/ National |
|------------|--------------------|---|-------------|---|------------------------------------|
| 1 | Seminar | Research in Computers: Why, What and How? | 2013 | Bharathiar University | International |
| 2 | Workshop | AWS Academy Cloud Computing Architecture - Instructor | 2018 | ICT Academy | National |
| 3 | Workshop | UGC Sponsored, Adoption, Promotion and Production of MOOCs on SWAYAM Platform | 2018 | Maulana Azad National Urdu University Hyderabad | National |
| 4 | FDP | Big Data Analytics | 2019 | Dr. GRD College | National |
| 5 | Seminar | Artificial Intelligence and the Future of IT in Machine Learning | 2019 | Sri Meenakshi College | National |
| 6 | Workshop | Python Programming | 2019 | ICT – IIT Bombay | National |
| 7 | Conference | Artificial Intelligence and its Impact on Society | 2019 | AIACHE | International |
| 8 | Webinar | Introduction to AI & ML | 2020 | ICT Academy | National |
| 9 | Webinar | Robotic Process Automation: Basics and Beyond | 2020 | ICT Academy | National |
| 10 | Online Orientation | Orientation Program with Data Science in R & Python | 2020 | Pondicherry University | National |
| 11 | Online FDP | Recent Trends in Digital Technologies | 2020 | The American College | National |
| 12 | Webinar | Cyber Security Trends in 2020 and Beyond | 2020 | The American College | National |
| 13 | Webinar | Webinar on Data Science concepts and Big Data Analytics. | 2020 | Ayya Nadar Janaki Ammal College, Sivakasi | National |

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| 14 | Webinar | One Day International Webinar on Blockchain Network in IOT Applications | 2020 | Ayya Nadar Janaki Ammal College, Sivakasi | International |
| 15 | Webinar | Art of Writing Research Article and Journal Selection | 2020 | MSN Pioneer Meenakshi Women's College | National |
| 16 | Webinar | National Webinar on "Campus to Corporate : Path to be a Data Scientist" | 2020 | PMT College | National |
| 17 | FDP | Societal Applications of Machine Learning | 2023 | Shri Vishnu Engineering College for Women | National |
| 18 | Workshop | Critical Pedagogy and Higher Education Curriculum | 2023 | ACT ACademy | National |
| 19 | ICTACT Bridge | India's Largest Industry-Institute Interaction Event | 2023 | ICT Academy | National |

Lectures /Talks given:

| Sno | Workshop/Seminar | Title | Institution | International/National |
|-----|------------------|--|---------------------------|------------------------|
| 1 | Seminar | MS Office | Police Training Academy | - |
| 2 | Seminar | Application orientation of data structures | PMT College, Usilampatti | National |
| 3 | Seminar | Career Guidance | SBOA CBSE School, Madurai | - |

Other Activities / Academic Credentials:

1. Convenor – Hover 2014 – Department of BCA, The American College.
2. Convenor - Python Programming Workshop - Department of BCA, The American College
3. Incharge RedHat Academy of The American College.
4. Convenor – Hover 2K24 – Department of BCA, The American College.