

**Name** : V. Yuvaraj  
**Designation** : Assistant Professor  
**Department** : Computer Applications  
**Qualification** : M.C.A., M.Phil., Ph.D.  
**Experience** : Teaching: 10 Years **Research**: 5 years  
**Area of Specialization(s)**: Data Mining, Big Data  
**Email (Official ID)** : [yuvaraj.v@drngpasc.ac.in](mailto:yuvaraj.v@drngpasc.ac.in)



### Academic Qualifications

Degree	Branch	Institution / University Name	Year of Graduation
Ph.D.	Computer Science	RVS College of Arts and Science, Sultur, Coimbatore. (Bharathiar University)	2025
M.Phil.	Computer Science	K.S.G College of Arts and Science, Coimbatore. (Bharathiar University)	2018
M.C.A	Computer Applications	RVS College of Arts and Science, Sultur, Coimbatore. (Bharathiar University)	2015
B.Sc.	Computer Science	Karpagam Academy of Higher Education, Coimbatore. (Karpagam University)	2012

### Additional Qualifications

Diploma / Vocational / Certification	Area of Specialization	Institution / University / Agency Name	Year
Online Certification	Natural Language Processing	PANTECH E-learning private Limited	2024
Online Certification	Cybersecurity	Infosys Springboard (248Hrs 18 Min)	2023
Online Certification	Database and SQL	Infosys Springboard	2023

Online Certification	Master Big Data-Apache Spark/Hadoop/Sqoop/Hive/Flume/Mongo	Udemy	2023
Online Certification	AWS Certified Solutions Architect – Associate (Digital)	AWS Training and Certification	2020
Online Certification	AWS Cloud Practitioner Essentials	AWS Training and Certification	2020

## Patent

Patent Title	Date of Filing	Publication Date	Publisher
Big Data Analytics Computer Server for Cloud Computing	28/01/2025	07/02/2025	Controller- General of Patents, Designs and Trade Marks, Intellectual Property Office, UK
Wireless Breast Cancer detection	28/04/2023	24/07/2023	Controller General Patents, Design and Trade Marks, Patent Office, India
Clarification of fetal health in womb using cardiototogram data and machine learning approach.	20/05/2023	23/06/2023	Patent Application Publication, India
A Smart Solid waste management in smart cities.	19/05/2023	16/06/2023	Patent Application Publication, India
IOT based Emergency Handling Communication for Traffic Control in Smart Cities	16/04/2023	05/05/2023	Patent Application Publication, India

## Books Published

Title	Authors	Publisher	ISBN
Predictive Analytical Segmentation for Unpattern Data (Book Chapter)	Dr. Sankari S, <b>Mr.V.Yuvaraj</b>	Prime International Publication, Tiruvarur	978-93-6010-220-3 August, 2024

Artificial Intelligence and application in Business (Book)	Dr.A.Jansi Rani <b>Mr.V.Yuvaraj</b> Dr.I.Lakshmi Dr.C.John Paul	Priyam Publication, Coimbatore	978-81-978737-4-4 August, 2024
Intergration of Block Chain for the IoT Security: Smart Water Irrigation (Book Chapter)	Dr.D.Deviaruna <b>Mr.V.Yuvaraj</b> Dr.B.Ramya	Bright Sky Publications, Delhi	978-93-6233-886-0 April, 2024
AI and Internet of Things (Book)	Dr.N.Shanmugapriya Ms.Rajasree Rajamohanan <b>Mr.V.Yuvaraj</b>	Coimbatore Institute of Information Technology (CiiT)	978-93-612614-0-4 December, 2023
Cyber Security in Engineering Technology and Management (Conference Proceedings)	V. Yuvaraj	AN Publications	978-81-965025-4-6 September,2023
Software Engineering (Lab Manual)	Mr.S.Poorana Senthil kumar <b>Mr.V.Yuvaraj</b>	Dr.N.G.P. Arts and Science College, Coimbatore Printed at Raasi Enterprises	978-88-19640-8-1 2023
Data Structures and C++ (Lab Manual)	Dr.D.Deviaruna Mrs.K.Gomathy Dr.K.Kavitha <b>Mr.V.Yuvaraj</b>	Dr.N.G.P. Arts and Science College, Coimbatore Printed at Raasi Enterprises	978-81-964344-8-9 2023
Data Analytics Using Python (Book)	Dr. Sharmila Subudhi, Ms. K. Malarvizhi, <b>Mr. V. Yuvaraj,</b> Mr.Pushkarprabhat D. Saxena	Scientific International Publishing House, India	978-93-5757-221-7 April, 2023
Data Analytics (Lab Manual)	<b>Mr.V.Yuvaraj</b> Dr.K.Kavitha	Dr.N.G.P. Arts and Science College, Coimbatore Printed at Raasi Enterprises	978-81-960903-5- 7 2022

### Consultancy

Nature of Consultancy	Client	Amount	Completion Status
Social Media Marketing	V. Yuvaraj	10,000	Completed

### International

- B.Renugadevi, Dr.K.Premalatha, Dr.A.Jagadhambal, **V.Yuvaraj**, Ms. S.Manimekalai, Dr.K.Uma Maheswari, A Study on Evaluating Workplace Flexibility and its Impact on Employee Well-Being and Organisational Success in Indian Retail Sector, Journal of Information Systems Engineering and Management, Volume 10, April 2025, Pages 730 – 738 <https://doi.org/10.52783/jisem.v10i31s.5128>, ISSN: e-ISSN: 2468-4376. **(Scopus)**.
- Theekcika. M, **Mr. Yuvaraj. V**, Server Inventory Management, International Journal of Science, Engineering and Technology, Volume 13, April 2025, Pages 1-5, <https://doi.org/10.61463/ijset.vol.13.issue2.245> ISSN (Online): 2348-4098. **(Peer Reviewed Journal)**
- Ramya S, Mr. Ripalkumar Patel, Jagdip singh, **V.Yuvaraj**, Dr.S.Gomathi Meena, Dr.SoniaH.Bajaj, Mani Gopalsamy, Dr.D.Gokila, Cyber Attack of Data Analysis in Smart Traffic Signal Control Using IOT with Cybersecurity and Big Data, International Journal for Research in Applied Science & Engineering Technology, Volume 13, March 2025, Pages 2712-2720, <https://doi.org/10.22214/ijraset.2025.67925>, ISSN: 2321-9653. **(Peer Reviewed Journal)**
- Ms. Jeya Dharshini, **Mr.Yuvaraj. V**, Blockchain-Based Platform for Agricultural Supply Chain, International Journal of Science, Engineering and Technology, Volume 13, March 2025, Pages 1-8, <https://doi.org/10.61463/ijset.vol.13.issue2.230>, ISSN (Online): 2348-4098. **(Peer Reviewed Journal)**
- M.R.Sukesh, **V.Yuvaraj**, Smart Healthcare Appointment System, International Journal of Research Publication and Reviews, Volume 6, Issue 3, March 2025, Pages 7618-7623, ISSN: 2582-7421 <https://doi.org/10.55248/gengpi.6.0325.12149>, ISSN: 2582-742. **(Peer Reviewed Journal)**
- Mr. Mohanraj, **V. Yuvaraj**, IoT-Based Plant Water Monitoring System, International Journal of Research Publication and Reviews, Volume 6, Issue 3, March 2025, Pages 6319-6326 <https://doi.org/10.55248/gengpi.6.0325.12210>, ISSN: 2582-7421. **(Peer Reviewed Journal)**
- **Mr.V.Yuvaraj**, Mr. Kumararaja Jetti, Dr. Inderpreet Kaur, Mr. Dharamvirsinh Parmar, Mr. Nikhil John, Mr. Raghu Kanojia, Innovative IoT Solutions for Enhanced Patient Health Monitoring and Healthcare Efficiency in Hospitals, International Journal for Research in Applied Science & Engineering Technology (IJRASET), Volume 12, Issue 8, August 2024, <https://doi.org/10.22214/ijraset.2024.63948> ISSN: 2321-9653. **(Peer Reviewed Journal)**

- **Mr.V.Yuvaraj**, Dr.D.Maheswari Ensemble Deep Learning based Lung Cancer Classification Model using Gene Expression Data, Journal of Angiotherapy, Volume 8, April 2024, <https://doi.org/10.25163/angiotherapy.849636>, Online ISSN: 2207-872X (**Scopus**).
- **Mr.V.Yuvaraj**, Dr.D.Maheswari Lung cancer classification based on enhanced deep learning using gene expression data, Measurement: Sensors, Volume 30, December 2023, <https://doi.org/10.1016/j.measen.2023.100902>, Online ISSN: 2665-9174 (**Scopus**)
- Dr.D.Devi Aruna, **Mr.V.Yuvaraj**, Mr.P.DineshKumar Performance Analysis of Border Gateway Protocol (BGP) In Multi-Autonomous System Network With OPNET Simulator: A Case Study, International Journal of Creative Research Thoughts (IJCRT), Volume 11, Issue 9, September 2023, Online ISSN: 2320-2882. (**UGC Care List Journal**).
- **V. Yuvaraj**, G. Pandiyan and G. Purusothaman, Gene Selection and Modified Long Short-Term Memory Network-Based Lung Cancer Classification Using Gene Expression Data, ICTACT -International Journal of Soft Computing, Volume 12, Issue 2, January 2022, Online <https://doi.org/10.21917/ijsc.2022.0358> ISSN: 0976-6561. (**UGC Care List Journal**).
- N. Sivakumar, V. Navamani, **V. Yuvaraj**, Implementation of Rail Fence & Position Analyze Technique for More Secure Data, International Journal of Advanced Research in Computer and Communication Engineering, Vol. 6, Special Issue 1, January 2017, ISSN (Online) 2278-1021. (**UGC Care List Journal**).

#### Other Publications: International / National Journals

- **V.Yuvaraj**, Fidoop-Dp: Data Partitioning in Frequent Itemset Mining on Hadoop Clusters, International Journal of Computer Engineering and Applied Science, Volume 2, Issue 1, April 2018, ISSN (Online): 2395-2539.
- **V.Yuvaraj**, N. Sivakumar, A Semi- Non-Negative Matrix Factorization and Principal Component Analysis Unified Framework for Data Clustering, International Journal of Advanced Research in Science, Engineering and Technology, Vol. 5, Issue 1, January 2018, ISSN: 2350-0328
- N. Sivakumar, V. Navamani, **V. Yuvaraj**, Hierarchal Routing Algorithm on Wireless Sensor Network based on Traffic Records, International Journal of Advanced and Innovative Research Volume 5, Issue 11, November 2016, ISSN: 2278-7844.
- N. Sivakumar, **V. Yuvaraj**, S. Vasanth Kumar, Classification and Comparison of routing Protocols in Wireless Sensor Networks, International Journal of Advanced and Innovative Research Volume 5, Issue 10, October 2016, ISSN: 2278-7844.

#### Presentations in Conferences

- **Advanced Deep Learning Approaches for Lung Cancer Classification A Gene Ensemble Model** in International Conference on Recent Trends in Multi-Disciplinary Research and Innovation (ICRTMRI'24) organised by A.V.P. College of Arts and Science, Tirupur, in association with Britts Imperial University College, United Arab Emirates on 13-Sep-2024.
- **Ensemble Deep Learning based Lung Cancer Classification Model using Gene Expression Data** in International Conference on Enhanced Techniques in Real-Time Applications (ICETRA'24) organized by Department of Computer Science, United College of Arts and Science, Coimbatore in association with ICT ACADEMY OF TAMILNADU on 13-Sep-2024.
- **Cluster Based Routing Algorithm for MANET-IoT-WSN-Systems** in International Conference on Computational Intelligence and Communication Technologies, Organized by Faculty of Computer Science, Dr.N.G.P. Arts and Science College, Coimbatore India on 04-Jan-24.
- **Performance Analysis of Border Gateway Protocol (Bgp) In Multi- Autonomous System Network with Opnet Simulator: A Case Study in** International Conference (Virtual) on “Cyber Security in Engineering Technology and Management-ICCETM 2023” Insight Tech Research Foundation (Center for Research and Innovations) AN Publications, An ISO 9001:2015 Certified International Publications, MSME Regd.in Govt of India on 23-Sep-2023.
- **Lung Cancer Classification Based on Enhanced Deep Learning using Gene Expression Data** in National Conference on Advanced Computing Sciences (NCACS 2023), Organized by Faculty of Computer Science, Dr.N.G.P. Arts and Science College, Coimbatore India on 16-Mar-23.
- **Gene Selection and Modified Long Short-Term Memory Network-Based Lung Cancer Classification Using Gene Expression Data** in International Conference on Contemporary Researches in Engineering, Science, Management & Arts , Centre for Research and Training (CRT), National Foundation for Entrepreneurship Development (NFED), Coimbatore, Tamil Nadu, India on 27-29 Jan- 2022.
- **Fidoop-Dp: Data Partitioning in Frequent Itemset Mining on Hadoop Clusters** in International Conference on Developing Advanced Research & Computer Technology , K.S.G College of Arts and Science, Coimbatore on 20-Sep-19.
- **A Semi- Non-Negative Matrix Factorization and Principal Component Analysis Unified Framework for Data Clustering** in International Conference on Developing Advanced Research & Computer Technology , K.S.G College of Arts and Science, Coimbatore on 28-Feb-18.

- **Implementation of Rail Fence & Position Analyze Technique for More Secure Data** in International Conference on Innovative Trends in Computer Science and Applications, Pioneer College of Arts and Science, Coimbatore on 06-Jan-17.

## Participation in Conference

### International

- **International Conference on Science and Engineering (ICSE 2023)**, Organized by IEI, Hosur Local Centre, Krishnagiri, Tamil Nadu, India & REST Labs, Kaveripattinam, Krishnagiri, Tamil Nadu, India from 27-Feb-23 to 28-Feb-23.
- **Recent Trends in Commerce, Management & Information Technology**, J.H.A. Agrasen College, Chennai – 60 on 19-Mar-21.

## Participation in Seminars & Webinars

- **Useful Chrome Extensions for Teachers** organized by Google Educators Group on 05-Aug-2023.
- **Harness the power of AI and Potential of Paper Mode on Quizizz** organized by Quizizz and Google Educators Group on 29-Jul-2023.
- **Inauguration Session of CSTA (Computer Science Teachers Association) India** on 28-Jul-2023.
- **National Seminar on AI Solutions for Farmer Safety and Security in India** organized by Department of Computer Science with Cognitive Systems, Dr. N.G.P. Arts and Science College, Coimbatore on 21-Jul- 2023.
- **A Two Day NAAC Collaborated National Virtual Seminar on “Holistic And Multidisciplinary Approach Towards National Higher Education Quality Framework”** organized by Cauvery College for Women, Trichy on 05-Jul-.2023 & 06-Jul-2023
- **5 days FDP-International Webinar Series on “Research Tools and Methodologies”** from 07-June-2023 to 13-June-2023.
- **National webinar on "Scientific Document Preparation using LaTeX "** organized by Department of Computer Science and Engineering from 13- May-2023.
- **National Level webinar on Revised NAAC Criteria**, St. Teresa’s Degree College For Women (Affiliated to Bengaluru City University) Sultan Road, Royan Circle, Chamarajpet, Bengaluru – 560018 on 22-Feb-2023 to 28-Feb-2023.
- **பொது நூலகங்களின் தேர்ந்தெடுத்தல், வளர்ச்சியும்**, Tamil Nādu Librarians.com on 05-Jan-21.

- **Hybrid Model Teaching with Android Enabled Smart Boards the Next Generation Teaching- Learning Experience**, Rathnavel Subramaniam College of Arts and Science, Sulur, Coimbatore on 23-Oct-21.
- **Series of Webinar Learning**, Hindusthan College of Arts and Science (Autonomous), Coimbatore from 09-Aug-21 to 11-Aug-21.
- **Digital Marketing**, Sri Adi Chunchanagiri Women's College, Cumbum, Theni District on 09-Apr-21.
- **Advancements in Big Data and Artificial Intelligence Research** , Department of Computer Applications, Bharathiar University, Coimbatore – 641046 from 22-Mar-21 to 23-Mar-21.
- **Advancement in Network Security**, Angappa College of Arts and Science, Coimbatore on 23-Feb-21.
- **Research Articles Writing and Publishing journals in Scopus and SCI**, Sri Krishna Adithya College of Arts and Science, Coimbatore on 16-Feb-21.
- **Machine Learning Algorithms for Health Care**, Nandha College of Arts and Science, Erode on 09-Feb-21.
- **Artificial Intelligence and Neural Networks Accelerator; Today and Tomorrow**, AJK College of Arts and Science, Coimbatore on 06-Feb-21.
- **Campus to Corporate**, Sree Narayana Guru College, Coimbatore on 04-Jan-21.
- **Research and Innovations-Tips on Finding Reputed Journals to Publish Quality Research** , Rathnavel Subramaniam College of Arts and Science, Sulur, Coimbatore on 18-Dec-20.
- **Internet of Things & its Applications**, Nandha College of Arts and Science, Erode on 18-Feb-20.
- **Research and Innovations-Best Practices for Effective Research**, Rathnavel Subramaniam College of Arts and Science, Sulur, Coimbatore on 17-Dec-20.
- **Penning Empirical Researches in Education: Challenges and Opportunities in Pandemic and Post-Pandemic Era**, Sree Narayana Guru College, Coimbatore on 02-Dec-20.
- **Intellectual Property Rights in India**, Sree Narayana Guru College, Coimbatore on 02-Nov-20.
- **E - Learning through Swayam**, Sree Narayana Guru College, Coimbatore on 28-Oct-20.
- **Data Science**, St. Joseph's Institute of Technology, OMR, Chennai on 28-Oct-20.
- **Reskill Upskill and Design Thinking**, Sree Narayana Guru College, Coimbatore on 19-Oct-20.



- **Virtual Industrial Training Program on Full Stack Development**, Sree Narayana Guru College, Coimbatore on 17-Oct-20.
- **Node JS**, Sree Narayana Guru College, Coimbatore on 03-Oct- 20.
- **Python for Data Science**, Sree Narayana Guru College, Coimbatore on 12-Sep-20.
- **Knowledge Engineering in Artificial Intelligence**, St. Antony's College of Arts and Sciences for Women, Thamaraijadi, Dindigul-624005 on 07-Sep-20.
- **Software Project Essentials**, Sri Eshwar College of Engineering, Coimbatore, 17-Aug-20.
- **Enhancing Customer Experience using AI**, Sri Eshwar College of Engineering, Coimbatore on 13-Aug-20.
- **In-Built Quality - The Differentiator**, Sri Eshwar College of Engineering, Coimbatore on 11-Aug-20.
- **Changing the ME residing in ME Live Safe, Managing Stress, Anger, Fear & Expectation** , Sri Eshwar College of Engineering, Coimbatore on 10-Aug-20.
- **Deep Learning** , Sri Venkateswara College of Engineering, Pennalur, Sri Perumbudur - 602117 on 08-Aug-20.
- **Thinking Smarter Critical & Creative Thinking** , Sri Eshwar College of Engineering, Coimbatore on 08-Aug-20.
- **ICT Enabled Pedagogy**, Government College of Education, Pudukkottai - 622 001 on 06-Aug-20.
- **IT Network Infrastructure - An Overview**, Sri Eshwar College of Engineering, Coimbatore on 05-Aug-20.
- **Vidya (Science of Happiness)**, Sri Eshwar College of Engineering, Coimbatore on 01-Aug-20.
- **OBE - Competency profile mapping with courses and COs**, Sri Eshwar College of Engineering, Coimbatore on 30-Jul-20.
- **Digital Transformation**, Sri Eshwar College of Engineering, Coimbatore on 29-Jul-20.
- **How Technology Can Help In NAAC Accreditation Process**, Sri Eshwar College of Engineering, Coimbatore on 28-Jul-20.
- **Engineering Optimization - Methods and Applications**, Sri Eshwar College of Engineering, Coimbatore on 27-Jul-20.
- **Future of Data Transmission - LiFi** , Sri Eshwar College of Engineering, Coimbatore on 25-Jul-20.
- **How to Conduct Online Teaching-Learning in Covid Times?** , Guru Angad Dev Teaching Learning Centre, SGTB Khalsa College, University of Delhi under the Pandit

Madan Mohan Malaviya National Mission on Teachers and Teaching (PMMMNTT) of MHRD on 22-Jul-20.

- **Recent Trends in Rehabilitation Robots** , Sri Eshwar College of Engineering, Coimbatore on 22-Jul-20.
- **Innovation in Education** , Sri Eshwar College of Engineering, Coimbatore on 21-Jul-20.
- **Intellectual Property Rights and Patent filling Process** , Dr.SNS Rajalakshmi College of Arts and Science, Coimbatore on 20-Jul-20.
- **What's the Big Deal about Big Data** , Dr.SNS Rajalakshmi College of Arts and Science, Coimbatore on 18-Jul-20.
- **Role of Online Resources in Teaching and Learning with reference to National Digital Library of India** , Angappa College of Arts and Science, Coimbatore on 17-Jul-20.
- **An Insight into Mobility** , Sri Eshwar College of Engineering, Coimbatore on 17-Jul-20.
- **Block Chain Foundations 101** , Karpaga Vinayaga College of Engineering and Technology from 16-Jul-20 to 18-Jul-20.
- **Energy and Environment** , Sri Eshwar College of Engineering, Coimbatore on 16-Jul-20.
- **Automotive Infotainment System** , Sri Eshwar College of Engineering, Coimbatore on 15-Jul-20.
- **Linear Regression Model in Machine Learning** , Sri Eshwar College of Engineering, Coimbatore on 14-Jul-20.
- **Conceptual View of Machine Learning and Deep learning** , Department of Computer Science, Madurai Kamaraj University, Madurai from 13-Jul-20 to 14-Jul-20.
- **E-Mobility: Electrification of Powertrains** , Sri Eshwar College of Engineering, Coimbatore on 11-Jul-20.
- **An insight into Artificial Intelligence and it's evolution** , Sri Jayendra Saraswathi Maha Vidyalaya College of Arts and Science, Coimbatore on 10-Jul-20.
- **Product Lifecycle Management** , Sri Eshwar College of Engineering, Coimbatore on 10-Jul-20.
- **Engineer your thoughts for IT Industry** , Sri Eshwar College of Engineering, Coimbatore on 09-Jul-20.
- **Quit Your Comfort Zone and Hit your Target** , Sri Eshwar College of Engineering, Coimbatore on 08-Jul-20.
- **Automotive Seating System & its Validation** , Sri Eshwar College of Engineering, Coimbatore on 07-Jul-20.
- **Rudiments of Outcome based Education**, Kamaraj College, Tirunelveli on 06-Jul-20.
- **How to handle Placements?**, Sri Eshwar College of Engineering, Coimbatore on 06-Jul-20.

- **Full Stack Programming and Career Opportunities**, Sree Narayana Guru College in Association with NIIT, Coimbatore on 05-Jul-20.
- **Feedback for Industry 4.0 Roadmap And Challenges** , Angappa College of Arts and Science, Coimbatore on 03-Jul-20.
- **CAE for Product Design - An Insight** , Sri Eshwar College of Engineering, Coimbatore on 03-Jul-20.
- **Cloud Security** , St. Joseph's Institute of Technology, OMR, Chennai – 119 on 02-Jul-20.
- **Where will you fit into a real time project** , Sri Eshwar College of Engineering, Coimbatore on 02-Jul-20.
- **Quality, Reliability and Safety** , Sri Eshwar College of Engineering, Coimbatore on 01-Jul-20.
- **How to Crack UGC NET/JRF in Computer Science - Tips and Preparation Strategies** , Sree Narayana Guru College, Coimbatore on 30-Jun-20.
- **Skillset for Enhancing Employability** , Sri Eshwar College of Engineering, Coimbatore on 30-Jun-20.
- **Machine Learning** , Angappa College of Arts and Science, Coimbatore from 29-Jun-20 to 30-Jun-20.
- **Research Planning and Implementation** , Sri Eshwar College of Engineering, Coimbatore on 29-Jun-20.
- **Google Cloud Platform** , Gnanamani College of Technology on 28-Jun-20.
- **Artificial Intelligence and the Era of Autonomous Shipping** , St. Joseph's Institute of Technology, OMR, Chennai – 119 on 27-Jun-20.
- **Building Research Capacity in Institution** , Sri Eshwar College of Engineering, Coimbatore on 26-Jun-20.
- **Research paper to patent filing – a road map** , VELS Institute of Science, Technology and Advanced Studies on 25-Jun-20.
- **Impact of Covid-19 on Information Technology** , Dr.SNS Rajalakshmi College of Arts and Science, Coimbatore on 24-Jun-20.
- **You Can Become an Entrepreneur** , Sri Eshwar College of Engineering, Coimbatore on 23-Jun-20.
- **Tools and Techniques in Web Pen testing and Bug Bounty** , Nandha College of Arts and Science, Erode on 22-Jun-20.
- **Yoga-the Exilir of the life** , kongu Arts and Science College, Erode on 21-Jun-20.
- **Online Examination Tools** , Bishop Herber College on 20-Jun-20.

- **Data Science and its components using Python and R programming** , Janson's Institute of Technology, Coimbatore on 17-Jun-20.
- **Cyber Warfare and Safe Mobile Usage** , Angappa College of Arts and Science, Coimbatore on 16-Jun-20.
- **Plagiarism and Pitfalls** , Matterhere on 14-Jun-20.
- **Introduction to Data Science Using Python** , Angappa College of Arts and Science, Coimbatore on 10-Jun-20.
- **Green Synthesized Bionanomaterials towards Cancer Therapy** , Dr.SNS Rajalakshmi College of Arts and Science, Coimbatore on 09-Jun-20.
- **Data Visualization using Tableau** , Karpaga Vinayaga College of Engineering and Technology on 07-Jun-20.
- **Applied Artificial Intelligence-An Industrial Approach** , Tamil Nadu College of Engineering, Coimbatore on 03-Jun-20.
- **Trends in Virtual and Augmented Reality** , Karpagam College of Engineering, Coimbatore on 01-Jun-20.
- **The Role of teachers in Pandemic Period** , Kasturi College of Education, Coimbatore on 29-May-20.
- **Recent Trends in Computer Science Research** , Sri Vasavi College (SFW), Erode on 26.May-20.
- **Time to Change Your Database & Programming Methodologies** , Mass College of Arts and Science, Kumbakonam - 612 501 from 23-May-20 to 24-May-20.
- **Artificial Intelligence & Machine Learning using Python** , Sengunthar College of Engineering, Tiruchengode on 22-May-20.
- **Computing Paradigms** , DON BASCO College, Yelagiri Hills on 21-May-20 to 22-May-20.
- **Internet of Things** , Kovai Kalaimagal College of Arts and Science on 20-May-20.
- **Entrepreneurial Challenges & Opportunities** , Rathinam College of Arts and Science, Coimbatore on 20-May-20.
- **Money Moves in Fluctuating Times** , SRM Institute of Science and Technology, Ramapuram, Chennai on 19-May-20.
- **Ham Radio, Disaster Management & Robotics** , SNMV College of Arts and Science, Coimbatore on 16-May-20.
- **Basics of Data Analytics** , Kovai Kalaimagal College of Arts and Science, Coimbatore on 16-May-20.

- **Personal effectiveness Need of the hour** , Sakthi Institute of Information and Management Studies (SIIMS), Pollachi on 14-May-20.
- **Sentiment Analysis-Concepts and Applications** , Nehru Arts and Science College, Coimbatore on 14-May-20.
- **Higher Education Scenario, Post Covid, Boons and Banes** , Association of Self-Arts, Science & Management Colleges of Tamil Nādu, Coimbatore on 16-May-20.
- **Current Scenario of E-Commerce Business** , Rathinam College of Arts and Science, Coimbatore on 13-May-20.
- **Teaching Learning Tools for the Digital Era** , Sri Ramakrishna College of Arts and Science for Women, Coimbatore from 11-May-20 to 16-May-20.
- **Covid-19 & Aftermath in World Economy** , PSG College of Arts and Science, Coimbatore from 06-May-20 to 08-May-20.
- **Bacterial Virulence: Perceptive and Pragmatic approach** , Indian Academy Degree College, Bangalore on 05-May-20.
- **How to Use Turnitin Software for your Research** , Swift Coimbatore on 04-May-20.
- **Build Apps Swiftly with Swift UI** , Swift Coimbatore on 28-Apr-20.
- **Introduction to React with Hooks** , Developer Circles, Coimbatore on 27-Apr-20.
- **Hack the Hackathon** , GDG, Coimbatore on 26-Apr-20.
- **Learn Serverless - Google Cloud Functions** , GDG Cloud, Coimbatore on 26-Apr-20.
- **The Art of Clean Code** , GDG Cloud, Coimbatore on 25-Apr-20.
- **Getting Started In UI UX** , Microsoft Student Partner, Coimbatore on 25-Apr-20.
- **Introduction to Student Clubs** , DSC SKCT on 24-Apr-20.
- **Communities Build Us** , GDG, Coimbatore on 23-Apr-20.
- **Decision Trees and Random Forest** , School of AI, Coimbatore on 22-Apr-20.
- **Demystify Computer Vision With TensorFlow** , Tensor Flow User Group, Coimbatore on 21-Apr-20.
- **Go Crazy with Flutter** , GDG, Coimbatore on 20-Apr-20.
- **An Effective research writing skills** organized Dr. Bhavesh Vanparia.Bhagwan Mahavir University, Gujarat from 13-Apr-20 to 16-Apr-20.

### Participation in Workshop

- Online Workshop on **Data Analytics & AI** organized by Centre for Computer Science and Information Technology (CCSIT), Manjeri, **University of Calicut** in association with ISPR solutions limited on 15-June-24.

- **Virtual Lab: A Learner Perspective programme** organised by Center for E- Learning, VLB Janakiammal College of Arts and Science, Coimbatore on 16-Feb-24.
- **NPTEL E-Awareness workshop** organized by IIT Madras on July 24, 2023
- **Nine Days National Level Workshop on Devops** organized by Faculty of Science and Humanities, Department of Computer Science and Applications, SRM Institute of Science and Technology, Ramapuram, Chennai from 16-Jun-2023 to 24-Jun-2023.
- **NeW IPR 2023 e-Workshop organized by Innovative Technology Enabling Centre (InTEC), CSIR-IMMT, Bhubaneswar** during June 12-17, 2023.
- Professional Development Workshop on **Digital Creativity Skills** as a Part of Adobe Academic Essentials Program organized by Adobe and AICTE on 29-May-2023.
- **One Day Workshop on Outcome Based Education (OBE)** organized by Dr. N.G.P Arts and Science College, Coimbatore in association with ipsr solutions limited on 04 March 2023.
- National Online Workshop entitled **“Intellectual Property Rights (Basic & Advance)”** organized by Guru Angad Dev Teaching Learning Centre, SGTB Khalsa College, University of Delhi under the Pandit Madan Mohan Malaviya National Mission on Teachers and Teaching (PMMMNMTT) of Ministry of Education held from 11th January to 12th January 2023.
- **Big Data Analytics in Clinical Research** , Dr.N.G.P. Arts and Science College, Coimbatore from 18-Mar-21 to 19-Mar-21.
- **Building Modern Web Applications Using jQuery and Bootstrap** , Dwaraka Doss Govardhan Doss Vaishnav College on 13-Mar-21.
- **Data Science through Jamovi and Orange** , CompuCom Institute of Information Technology & Management, Jaipur from 12-Mar-21 to 13-Mar-21.
- **AMPLE Live Learn Implementer Workshop Level 1** , Amrita Vishwa Vidyapeetham, AICTE Expert Pane list, Coimbatore on 27-Jan-21.
- **Code Innovation Series** , GitHub on 23-Jan-21.
- **Positive Thought and the Ideal Life** , Mannar Thirumalai Naicker College (Autonomous), Pasumalai, Madurai on 29-May-20.

### Participation in Orientation Programme / Short Term Courses

- 7 days online STTP certification on **Power BI** hosted by School of Computer Science, Kongunadu Arts and Science College, Coimbatore from 23-Sep-2024 to 30-Sep-2024.

- One week online Short-Term Training Program on “**Cloud Security: Emerging Threats and Cyber Threat Intelligence**” organised by Symbiosis Skills and Professional University, Pune from 12-Aug-2024 to 17-Aug-2024.
- Online Training on **IP Awareness**/Training program under National Intellectual Property Rights mission organized by Intellectual Property office, India on 28-Nov-2023.
- Online Training on **Internet of Things (IoT) and Mobile Security** organized by CIET-NCERT in association with Ministry of Education from 04-Sep-2023 to 08-Sep-2023.
- Online Short Term Training Program on “**Emerging Trends in Artificial Intelligence and Machine Learning**” organized by Rajarshi Shahu college of Engineering,Thathwade, Pune from 08-Aug-2023 to 12-Aug-2023.
- Online Training on **EBSCO Full Text Finder** organized by EBSCO Information Services Customer Engagement Services 31-Mar-2023
- **MATLAB**, Department of Computer Applications, Bharathiar University, Coimbatore from 10-Mar-21 to 17-Mar-21.
- **Block Chain Foundations 101** hosted by Karpaga Vinayaga College of Engineering and Technology, Madhuranthagam, Chengalpattu from 16-Jul-20 to 18-Jul-2020
- **Change Makers of Environment 2020** hosted by Rathinam College of Arts and Science, Coimbatore from 12-Jun-20 to 16-Jun-20.
- **Disruptive Digital Technologies 2020** hosted by Sakthi Institute of Information and Management Studies (SIIMS), Pollachi on 03-Jun-20.
- **National Service Scheme (NSS) , Empanelled Training Institution - National Service Scheme (Under the auspices of the Ministry of Youth Affairs and Sports, Government of India)** Avinashilingam University (Institute for Home Science and Higher Education for Women) Coimbatore-641 043, Tamil Nadu, India from 01-Feb-18 to 07-Feb-18.
- **Solid Waste Management** Training Program , **1TC WOW Club and NSS Bharathiar University**, Coimbatore on 10-Aug-17.

### Participation in Faculty Development Programme

- **AI powered Learning: Shaping the Future of Education**” organised by Department of Computer Science and Applications, Vivekanandha Arts and Science College for Women, Sankagiri, Salem from 20-Jan-25 to 25-Jan-25.
- Five Days International Virtual FDP on "**Exploring New Frontiers in Teaching Tools, AI and Data Analytics**" organized by MEASI Institute of Information Technology, Royapettah, Chennai from 29-Jul-24 to 02-Aug-24.

- **Deep Learning & Internet of Things (IoT)** organized by MLR Institute of Technology (MLRIT) from 24-June-24 to 29-June-24.
- **“NEP Orientation & Sensitization Programme”** organized by UGC-MMTTC (also GAD-MMTTC), SGTB Khalsa College, University of Delhi from 04-June-24 to 14-June-24.
- **“7 Days National Level FDP on Python”** organized by Star International Foundation for Research and Education from 19-Mar-24 to 25-Mar-24.
- **"Emerging Trends in Data Analytics"** through Online Mode organised by Dept of Artificial Intelligence and Data Science, Saveetha College of Liberal Arts and Sciences, SIMATS, Chennai from 22-Jan-24 to 26-Jan-24.
- **Remote Sensing & GIS** organised by The Northcap University, Gurugram under DST-SERB from 15-Jan-2024 to 19-Jan-2024.
- **“Frontier Applications of Discriminative and Generative AI in Healthcare, IoT, and Data Engineering"** organized by IEM Centre of Excellence on Data Science, Department of CSE(AIML) & Department of CSBS, IEM Saltlake in association with HRDC, IEM-UEM Group held from 6-Jan-24 to 10-Jan-24.
- **The Future of Generative AI in Academic Research and Publishing**, organized by Department of Computer Application and Science, Institute of Engineering & Management, Kolkata conducted from 2-Jan-2024 to 6-Jan-24.
- **Cyber Intelligence and Awareness on Social Media Security V2.0**, organized by Department of Computer Application and Science, Institute of Engineering & Management, Kolkata conducted from 27- Nov-2023 to 1-Dec-2023.
- **Influence of AI in Teaching and Research** organized by Department of Commerce with CA, Hindhustan College of Arts and Science from 04-Sep-2023 to 09-Sep-2023.
- **Recent Trends on Research Methodologies, Tools and Techniques”** organized by Department of Information Technology, KG College of Arts and Science, Coimbatore from 10-Jul-2023 to 15-Jul-2023.
- **“Upskill your Resources” (Under UGC Autonomy Grant)** organized by Department of Business Administration (SF), Ayya Nadar Janaki Ammal College, Sivakasi from 07-Jul-2023 to 13-Jul-2023.
- **“Research Trends and Research issues in IT”** organized by Department of Computer Science, E.S. Arts and Science College, Villupuram from 29-May-2023 to 02-Jun-2023.
- **“Outcome Based Education”** organised by Dr. N.G.P Arts and Science College, Coimbatore in association with ipsr solutions limited on 04 March 2023.
- **“Emerging Trends and Technologies in Cyber Security”** organized by Madanapalle Institute of Technology and Science from 14-Nov-2022 to 18-Nov-2022.



- **Amazon Web Services (AWS)** Organized by Department of Electrical, Electronics and Communication Engineering, School of Technology, GITAM (Deemed to be University), Hyderabad in collaboration with BrainOVision Solutions India Pvt.Ltd & All India Council For Technical Education (AICTE) from 22-Aug-2022 to 27-Aug-2022.
- **Bibliometrics of Research Articles** , Rathnavel Subramaniam College of Arts and Science, Sulur, Coimbatore on 12-Jan-22.
- **Lifelong Learning: Necessity and Opportunity**, Rathnavel Subramaniam College of Arts and Science, Sulur, Coimbatore on 16-Jul-21.
- **e-Teacher** , Bharathiar University and Cognizant, Coimbatore on 19-Jun-21.
- **Opportunity and Challenges: Online teaching with Google Tools** , Dr.SNS Rajalakshmi College of Arts and Science, Coimbatore on 04-Jun-21.
- **Digital Devices: Safety & Security** , Cognizance Academia, Coimbatore on 23-May-21.
- **Emerging Research Trends in Computer Science & Applications** , K.G. College of Arts and Science, Coimbatore on 22-Mar-21 to 26-Mar-21.
- **Cyber Security & Block Chain Technology** , Rathnavel Subramaniam College of Arts and Science, Sulur, Coimbatore, Coimbatore on 13-Mar-21.
- **Pedagogical Innovations and Experimentation in Enhancing Learning Effectiveness for Gen Alpha** , Hindusthan College of Arts and Science (Autonomous), Coimbatore on 04-Feb-21 to 07-Feb-21.
- **An Application of SPSS in Social Science Research** , Rathnavel Subramaniam College of Arts and Science, Sulur, Coimbatore on 21-Jan-21.
- **Application of Tools & Techniques in Research Methodology & Accelerate to Publish Article in Scopus and Web of Science** , Hindusthan College of Arts and Science (Autonomous), Coimbatore from 19-Dec-20 to 24-Dec-20.
- **Teaching Learning Practices in 2020** , Hindusthan College of Arts and Science (Autonomous), Coimbatore from 16-Nov-20 to 21-Nov-20
- **Teaching Learning Practices in 2020** , Hindusthan College of Arts and Science (Autonomous), Coimbatore from 16-Nov-20 to 21-Nov-20.
- **Industry 4.0 Technologies for Non-Computing Disciplines** organized Department of Computer Science, Bharathiar University, Coimbatore from 27-Jul-20 to 31-Jul-20.
- **Outcome Based Education** , Rai University, Ahmedabad from 22-Jul-20 to 24-Jul-20.
- **Hands-on Workshop on Android App Development** , Panimalar Institute of Technology, Chennai from 02-Jul-20 to 04-Jul-20.
- **Emerging Trends in Information Technology** , Karpagam College of Engineering, Coimbatore from 23-Jun-20 to 27-Jun-20.

- **Building Right Attitude in Students towards Growth** , Dr.SNS Rajalakshmi College of Arts and Science, Coimbatore on 10-Jun-20.
- **Cyber Security** , JNTUK University College of Engineering, Vizianagaram from 11-Jun-20 to 16-Jun-20.
- **Institutional Benchmarking of Best Practices** , Shree Mallikarjun & Shri. Chetan Manju Desai College, Canacona from 08-Jun-20 to 14-Jun-20.
- **Enhanced Development with Azure Cloud** , Dr.SNS Rajalakshmi College of Arts and Science, Coimbatore on 30-May-20.
- **Machine Learning** , Rathinam College of Arts and Science, Coimbatore on 26-May-20.
- **Data Science-Research Opportunities** , Sri Ramakrishna College of Arts and Science, Coimbatore on 21-May-20.
- **IoT & AI** , Sri Ramakrishna College of Arts and Science, Coimbatore on 13-May-20.
- **Open-Source Content Management** , SNMV College of Arts and Science, Coimbatore from 11-May-20 to 15-May-20.
- **Recent Insights on Cyber Security** , Cauvery College for Women, Trichy on 07-May-20.
- **Machine Learning** , Santhiram Engineering College, Nandyal & Indian Servers, Hyderabad on 02-May-20.
- **LaTeX** , Loyala College of Arts & Science, Mettala on 30-Apr-20.
- **Art of Writing Research Article in Hi-Indexed Journals** , Nehru Arts and Science College, Coimbatore from 29-Apr-20 to 30-Apr-20.
- **LaTeX** , at Chevalier T. Thomas Elizabeth College for Women from 27-Apr-20 to 01-May-20, **with course material provided by the Spoken Tutorial Project, IIT Bombay.**
- **R Programming** Indo Global Group of Colleges, New Chandigarh in association with **IIT Bombay Spoken Tutorial (An Initiative of National Mission on Education through ICT, MHRD, Govt. of India)** from 27-Apr-20 to 1-May -20.
- **Recent Trends in Artificial Intelligence and Impact on Teaching Professionals** , Rathnavel Subramaniam College of Arts and Science, Sulur, Coimbatore from 22-Apr-20 to 24-Apr-20.
- **R Programming Spoken Tutorial IIT, Bombay** with Sri Krishna Arts and Science College, Coimbatore from 19-Apr-20 to 24-Apr-20.

### Editorial/Review Member

- Reviewer at International Peer Reviewed Research Journal & Book Publication, 2024, AN International Research Journal, Jaipur, India.

## Membership in Professional Bodies

<b>Name of the Professional Body</b>	<b>Nature of membership</b>	<b>Duration</b>
International Association of Engineers (IAENG).	Member	Life Time
IAENG Societies of Bioinformatics, Artificial Intelligence, Computer Sciences.	Member	Life Time
Computer Science Teachers Association (CSTA) & CSTA India Chapter	Member	Annual
Internet Society	Member	Annual
Google Educators Group	Member	Life Time
All India Educators Forum	Member	Life Time
Global Professors Welfare Association Forums	Member	Life Time

## Awards / Honors

<b>Awards / Honors</b>	<b>Agency / Institute</b>	<b>Year of Award</b>
Faculty Excellence Award	RVS College of Arts and Science, Sulur, Coimbatore	2019
Faculty Excellence Citation Award	RVS College of Arts and Science, Sulur, Coimbatore	2018